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Thermology 2010- literature search

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and European Association of Thermology**

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Literatur

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References should be numbered consecutively in the order in which they are first mentioned in the text. Identify references in text, tables, and legends by Arabic numerals in parentheses. Use the style of the examples below which are based on the formats used by the US National Library of Medicine in Index Medicus (complete list of examples on [1]).

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Luther B, Kreyer I, Dobi I. Die Anus-praeter-Thermographie als Methode zur Früherkennung vaskulärer Komplikationen nach Dünndarmtransplantation. *ThermoMed* 1990; 6: 115-7.

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Gautherie M, Haehnel P, Walter JM, Keith L. Long-Term assessment of Breast Cancer Risk by Liquid Crystal Thermal Imaging. In: Gautherie M, Albert E, editors. *Biomedical Thermology*. New York Alan R. Liss Publ; 1982. p. 279-301.

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Thermology 2010 – a computer-assisted literature survey

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SUMMARY

The literature survey 2010 is based on 1730 papers found in the databases MEDLINE and EMBASE with the keywords “thermography” or “thermometry” or “thermotherapy” or ‘skin temperature’ or ‘core temperature’ and restricted to “included in the databases between 01.01 and 31.12. 2010”. 36,5 percent of papers of this review are originated from Europe and 96 percent of all papers are written in English. 588 controlled studies using some kind of temperature measurement were included in this survey. Physiology, cardiovascular diseases, neurology, dermatology and clinical & experimental pharmacology were the predominant fields of applications of temperature measurement in medicine. As in previous years, therapeutic hypothermia and hyperthermia treatment was the topic of many papers. Fever attracted also a high number of publications. Some articles were related to sleep or pain. Only few papers were found for intravascular temperature measurement, Raynaud’s phenomenon or breast thermography.

KEY WORDS: Thermography, literature search, temperature measurement

THERMOLOGIE 2007 – EINE COMPUTER-GESTÜTZTE LITERATURSUCHE

Die Literatursuche für 2010 basiert auf 1730 Arbeiten, die unter den Schlüsselwörtern “Thermographie” oder “Thermometrie” oder “Thermotherapie” oder ‘Hauttemperatur’ oder ‘Kerntemperatur’ und der Einschränkung “zwischen 1. Jänner und 31. Dezember 2010 erfasst” in den Datenbanken MEDLINE und EMBASE gefunden wurden. Die Autoren thermologischer Publikationen kommen in 36,5 Prozent aus Europa, und 96 Prozent aller Arbeiten wurden in Englisch publiziert. 588 kontrollierte Studien, die irgendeine Form von Temperaturmessung einsetzten, wurden in diese Übersicht aufgenommen. In der Medizin waren Physiologie, Herz-Kreislaufkrankungen, Neurologie, Dermatologie sowie klinische und experimentelle Pharmakologie die vorherrschenden Anwendungsgebiete für Temperaturmessung. Wie in früheren Literaturübersichten, war die therapeutische Hypothermie und die Behandlung mit Hyperthermie das Thema vieler Veröffentlichungen. Auch Fieber erzielte eine große Zahl von Publikationen. Einige Arbeiten wurden zu den Themen Schlaf bzw. Schmerz veröffentlicht. Zur intravasculären Temperaturmessung, dem Raynaud-Phänomen oder zur Brustthermographie wurden nur wenige Publikationen gefunden.

SCHLÜSSELWÖRTER: Thermographie, Literatursuche, Temperaturmessung

Thermology international 2011, 21(1) 5-30

Introduction

This year’s annual survey is the 23rd in a series that started in 1989. The aim of this regular annual publication is to continue and amend the bibliography of Medical Thermology, which was edited by Margaret and Thomas B. Abernathy in 1987. This international bibliography contains nearly 5000 titles of papers published between 1956 and 1986.

Table 1
Search terms and results

Combination of search terms	Hits
thermology	12
thermology OR thermography	222
thermology OR thermography OR thermometry	298
thermology OR thermography OR thermometry OR “temperature measurement”	1154
thermology OR thermography OR thermometry OR “temperature measurement” OR “core temperature”	1516
thermology OR thermography OR thermometry OR “temperature measurement” OR “core temperature” OR “skin temperature”	1747

Methods

A search in EMBASE and MEDLINE with the terms “thermology” or “thermography”, or “thermometry” or “temperature measurement” or “thermotherapy” or “skin temperature” or “core temperature” and “year 2010” yielded 1747 hits. Table 1 shows the contribution of each search term to the results. Exchanging “year 2010” with “included between 01-01-2010 and 31-12-2010” reduced the number of hits to 1725. Further restriction with the term “human” yielded a further reduction to 759 hits. Only these 759 papers plus all non English publications will appear in the section “References” of this survey. However, the full list of references will be included in the reference collection of “Published papers on THERMOLOGY or TEMPERATURE MEASUREMENT between 2007 and 2010”. This cumulation of references related to thermology comprises now 3 volumes spanning the period between 1988 to 2010. They will be available from the webpage of Medical Imaging Research Unit of the University of Glamorgan at “www.MedImaging.org”. All volumes of this reference collection will be also included in a data disk that will contain all volumes of the journal “Thermology

international” together with all volumes of the former titles of this journal i.e “Thermologie Österreich” and “European Journal of Thermology“

The papers were analysed to show the origin of authors, the language, the journal and issue number of publication. For further classification, the Citation Report Database at Thompson Institute for Scientific Information (ISI) was searched to obtain the most recent Impact Factor for journals publishing papers related to the search profile in 2009.

Papers were allocated with respect to the topic of the publication into medical and non medical publications. Non medical papers were further classified into basic sciences, applied sciences and biology. The filter option of EMBASE was used to differentiate the papers by disease, publication type and study type

Results

1730 publications were obtained with the search profile, which yielded 1553 hits in EMBASE and 489 in MEDLINE. 312 papers were listed in both databases.

Language of publication

All but 67 papers of this database were published in English. 18 publications appeared in Chinese (1-18), 10 papers in German (19-28), 8 publications in Turkish (29-36) and 7 in Spanish (37-43). 7 papers were published in Polish (44-49), 5 in French (50-54) and 5 in Japanese (55-59), 3 papers in Russian (60-621) and 2 in Italian (63,64). Swedish (65), Danish (66) and Portuguese (67) was the language of the other 3 papers. All but 16 publications showed a summary of the article in English.

Authors

In total, 7184 authors appeared in 775 journal papers. A group of authors i. e D Darwent, S.A. Ferguson, D.J. Kennaway, Roach G.D., G.M. Paech, X.C. Zhang and C.Sargent from the University of South Australia, Adelaide Australia, published the highest number of journal papers in 2010 (68-76).

1761 authors originated from institutes in 64 countries. 30.89.% of these were located in North America, the majority, i. e. 425, in the United States, 60 in Canada and 14 in Mexico. 36,46 % of authors came from European countries, 67 of these were situated in the United Kingdom. 23,85% of authors are from Asia, two thirds of these live in the Far East (figure 1).

Journals

In total, 755 journals published papers related to the search profile. 24 journals published 32 to 10 related to topic of this survey. 32 publications were found in the “Journal of Thermal Biology”. Next in rank was the “Journal of Sleep Research” with 25 papers, 4 journals published each 24 articles related to temperature, but only one of these the “European Journal of Applied Physiology” is related to medicine. Table 1 lists the journal name, the number of papers of interest and the impact factor 2009. A mean impact factors of 4,810 was calculated for 24 journals listed. The mean impact for publications on thermography was derived from the cumulated impact factors of all 24 journals.

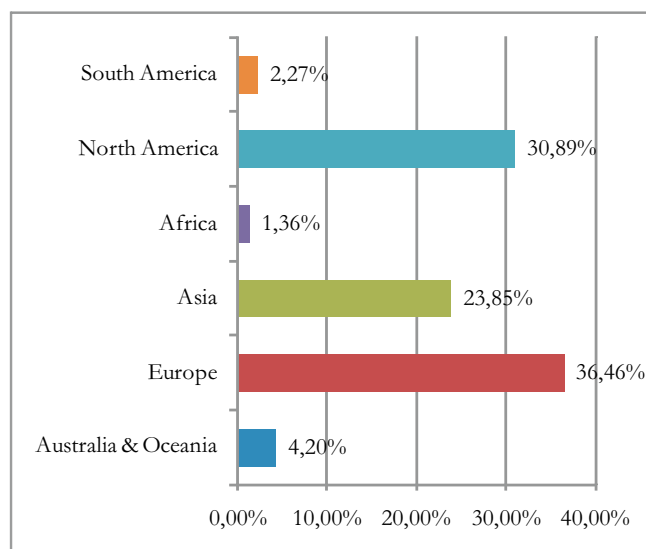


Figure 1
Origin of authors

Table 2
Impact factors of journals that published with more than 10 papers related to temperature

Journal	papers	Impact factor
Journal of Thermal Biology	32	1.305
Journal of Sleep Research	25	3.500
Chemical Communications	24	5.504
European Journal of Applied Physiology	24	2.047
Food Chemistry	24	3.606
Journal of Hazardous Materials	24	4.144
Sleep	23	5.402
Bioresource Technology	20	4.253
Resuscitation	18	2.908
Intensive Care Medicine	16	5.168
International Journal of Hyperthermia	16	2.412
Nature	16	34.480
Combustion and Flame	15	2.923
Proceedings of the National Academy of Sciences of the United States of America	14	8.432
Journal of the American Chemical Society	13	2.886
Applied Microbiology and Biotechnology	12	2.896
Environmental Science and Technology	12	0
Journal of Organic Chemistry	12	4.219
Thermology International	12	0
European Heart Journal	10	9.800
IEEE Transactions on Biomedical Engineering	10	2.154
Journal of Endourology	10	1.754
Magnetic Resonance in Medicine	10	3.225
Waste Management	10	2.433

Type of publication

1,244 papers were classified as articles, 64 as article in press and 105 as review. 22 short surveys, 201 conference abstracts, 23 conference papers and 2 conference reviews have been published. The remaining papers were classified as 41 letters, 32 notes, 18 editorials and 3 books.

Type of study

759 papers reported studies in humans and 56 human experiments. 81 studies investigated normal humans and other 31 conducted research on human tissues. 108 clinical articles and 97 case reports have been published. 122 clinical trials, 65 controlled clinical trials, 58 randomized controlled trial and 87 major clinical studies have been reported. A controlled study was the theme in 588 papers, 43 papers reported prospective studies, 47 comparative studies and 30 feasibility studies..

388 papers were classified as nonhuman studies, 208 as animal experiment, 106 investigated animal models and 105 studied animal tissue. 71 in vitro studies and 36 in vivo studies have been published.

Modelling was the topic of 203 papers and simulation of 37 publications. 92 articles were related to methodology and 32 studies performed an inter-method comparison.

Medical publications

The citations in MEDLINE and EMBASE are allocated to distinct fields of medicine. Usually, allocations to more than just one field are made. However, in table 2 the citation were allocated to one field only and multiple allocations have been avoided. Some papers were related to defined diagnoses such as fever or to therapeutic interventions such as therapeutic hypothermia. Most papers in the section “Applied Sciences in Medicine” are citations that have already allocated to medical field in Table 2.

The EMBASE filter “disease” obtained the following distributions (number of papers in brackets): hypothermia (111), fever (92), heart arrest (57), hyperthermia (42), inflammation (35), pain (33), hypotension (28), brain ischemia (22), injury (21), breast cancer (20), heart atrium fibrillation (20), sepsis (20), bleeding (19), obesity (19), side effect (19), diabetes mellitus (18), heart arrhythmia (18), infection (18), shivering (18), heat stroke (17), hypertension (17), thermal exposure (16), thermal injury (16), erythema (15) and fatigue (15)

Table 2 shows the allocations to fields of medicine. Physiology was the most frequent allocated speciality of medicine. Physiology publications were broken down into three subgroups, Exercise Physiology, Thermoregulation and other Physiology. Cardiovascular Diseases, Anaesthesiology, Neurology, Paediatrics, Dermatology and Emergency Medicine were the next in frequency of allocation. Clinical & Experimental Pharmacology and Public Health, Social Medicine & Epidemiology received each 24 papers allocated. Sleep was the topic of 21 papers, and Acupuncture & Complementary Medicine had also 21 allocations. 22 publications were allocated to therapeutic hypothermia and 15 papers to therapeutic hyperthermia. Only some papers were found for Breast Disease [31, 89, 147, 181, 192,

237,419,717, 731, 737], Complex Regional Pain Syndrome [193,324,444,457,677,698], Raynaud’s Phenomenon [86, 87,96,177,225,289,512,543,544,570,615] and Atherosclerotic Plaque [227,276,599,628,679,689].

4 reviews were allocated to medical thermography [46,47, 85,88]. A group of authors from Poland published 2 overview on medical thermography [46,47]. One these reviews discussed the diagnostic use of infrared thermography in medicine in general [47], whilst the other paper was focussed on the capacity of thermography to detect atherosclerotic changes [in the coronary arteries [46]. One paper reviewed the recent literature on thermology [85]. A review on thermography in spinal disorders concluded, that the thermographic body of knowledge in spinal disorders is incomplete and more high quality studies are needed before thermal imaging can be recommended as diagnostic method or as outcome measure for back pain.

Hypothermia

Hypothermia may occur accidentally in cold or heat removing environment [29, 38,66,157,186,297,495] or as therapeutic intervention. Mild therapeutic hypothermia is indicated for survivors of out of hospital cardiac arrest [102, 127, 153, 170, 268, 306,311,406,437,438,499,567]. There is good evidence that hypothermia provides neuroprotection in these patients. Therapeutic hypothermia is defined as a controlled lowering of core body temperature to 32°C to 34°C [306]. These treatment was also applied in patients after acute ischemic stroke [291,700], with subarachnoid hemorrhage [92], after intoxication [451] and in children with encephalopathy [363, 588] or postcardiotomy functional ectopic tachycardia [362]. The protective effect of low brain temperature after severe traumatic brain injury (TBI) was questioned as study from Singapore [600] reported that a higher mortality rate after severe TBI. was independently associated with lower brain temperatures (below 37°C). The Bergen Stroke study investigated the relationship between high body temperature and favourable outcome in patients treated with tissue plasminogen activator (tPA) in comparison to the association between low body temperature and favourable outcome in patients without tPA-therapy [497]. The authors concluded from the results obtained that the effect of high body temperature on clot lysis is more important than the neuroprotective effect of low body temperature in the early phase after cerebral infarction treated with tPA.

Research on physiological changes after hypothermia were reported for haemodynamics [126] and kidney function [291]. The optimum start point of the hypothermic treatment was discussed [268]. Pharmacological treatment strategies for shivering during therapeutic hypothermia [720], methods for the induction of hypothermia [153,588] and for temperature monitoring in this condition have also been published [382,437, 751].

Fever

“An increase in temperature above what is considered to be a normal value is inevitably regarded as a sure sign of disease and referred to with one simple word: fever” [118]. Fever represents a normal physiological response as a result

Table 3
Papers allocated to medical fields

Medical field	Reference
Acupuncture & Complementary Medicine	5,8, 16,94,115,141,225,290,310,313,332,337,344,432,440,517,519,520,597,651,755
Anesthesiology & Intensive Care	24,38, 40,55,57,64,66, 100,114,166,173,185,199,216,217,281,301,312,371,376,404,501,535,538,589,612,637,658,659,660,702
Cardiovascular Diseases & Cardiovascular Surgery	1,6,7,35,36,41,46, 60, 86,87,96,111,138,149,155,177,227,241,276,289,308, 362,375, 377, 397, 448,493,512,543, 544, 570, 584, 598, 599, 615, 622, 627, 628, 644, 650, 660,679,689,692,696,699,719,721,738
Chest Diseases, Thoracic Surgery& Tuberculosis	42, 121,350,360,366,385,443,533,577
Clinical & Experimental Pharmacology	12,93,99,131,160,198,207,273,286,295,340,349,351,384,407,446,502,540,582,594,617,676,708,720
Dental Medicine	234,503
Dermatology and Venereology	43, 63,81,109,113,117,123,129,171,200,220,223,232,238,254,331,391,401,410,418,478,529,593,680,695,710,714,744
Emergency Medicine	130,142,153,168,169,190,195,206,211,214,230,292,302,311,334,358,437,456,485, 495,514,549,551,555,571,572,683,726
Endocrinology	26,154,420,513,534,552,587
Forensic Science	52,610,749
Fever	65,118,201,386,387,449,509,528,563,616
Gastroenterology	119,148,158,236,294,316,325,388,585,691
General Surgery	58,134,321,338,348,461,476,547,559, 562, 604,607,626,675,681
Haemodialysis	157,215,228,235,297,703
Immunology	342,399,483,652,727
Obstetrics and Gynecology	28,108,231,408,409,455,581,609,716
Occupational & Industrial Medicine	4, 45,48,97,243,278,317,318,319,330,396,498,523,541,631,657,674,693
Oncology	19, 39,178,187,333,422,457,536,576,653,654,678,705
Ophthalmology	400,486,546,635,666,
Orthopaedics & Orthopaedic Surgery	9, 67,77,124,210,252,279,369,518,575,608,618,621,625,663,694,734
Otorhinolaryngology	21,30,61,275,414,454
Paediatrics and Paediatric Surgery	33,34,49,50,51,82,163,189,204,233,309,355,426,439,459,464,467,470,496,530,537,548,560,583,601,640,670,672,697
Physiology	22,25,146,156,209,222,239,242,245,247,250,253,277,288,298,307,343,345,402,403,444,489,492,515,539,561,623,642,662,711,730,732,743
ExercisePhysiology & Sports medicine	78, 104,105,122,132,139,143,145,146,165,182,188,194,226,248,251,303,339,364,365,389,416,417,442,469,473,477,484,491,507,556,558,578,614,645,655,686,706,715,736
Physiology: thermoregulation	150,152,186,240,280,283,296,315,328,335,354,361,368,379,393,394,413,415,429,433,441,447,465,505,508,525,557,603,606,611,633,634,646,647,671,684,690,722,723,725,728,739,741,746,747,753
Physical Medicine & Rehabilitation	249,305,320,421,550,620,677
Psychotherapy and Psychiatry	272,304,353,395,450,510,566,756
Public Health, Social Medicine & Epidemiology	27, 29,44,59,67,80,116,137,175,221,300,306,341,367,430,460,466,474,488,526,668,712,745,750
Neurology	15,32,53, 79,83,101,120,135,136,140,162,191,218,274,336,346,356,392,427,462,463,471,475,497,506,527,553,574,590,682,740
Neurosurgery	56,79,468,600,649
Reproductive and Sexual Medicine	95,481
Rheumatology	164,193,208,329,480,524,698
Sleep	23, 68-76, 103,106,159,282,347,424,435,445,452,458,490,521,522,630,641,688,704,724
Therapeutic hyperthermia	10, 20,144,205,326,434,436,542,545,588,636,656,701,748,751
Therapeutic hypothermia	92,102,126,127,170,291,293,314,363,372,406,423,431,438,451,499,516,567,643,700,707,742
Urology & Nephrology	133,167,174,180,287,383,390,425,428,565,579,580,602,638,639,752

of the introduction of an infectious agent producing exogenous and endogenous pyrogens influencing the central set point of body temperature [51]. Fever research is closely related to the measurement of body core temperature and to infectious diseases.

A study from Turkey compared the rectal-axillary temperature measurement difference (RATD) for digital and mercury-in-glass thermometers and the difference between mercury-in-glass and digital thermometer readings taken by the rectal and axillary routes [739]. Based on measurements in 135 children, RATD was $0.61 \pm 0.54^{\circ}\text{C}$ in the mercury-in-glass thermometer, and $0.81 \pm 0.57^{\circ}\text{C}$ in the digital thermometer. The mean differences between digital and mercury-in-glass thermometers were 0.16°C for rectal routes and -0.02°C for axillary routes.

A review on the best site of measuring core temperature of patients in the intensive care unit, recommended intra-vascular measurement in the pulmonary, femoral or brachial artery [64]. Comparing the temperature over the temporal artery with the bladder temperature in critical ill patients found poor agreement between both measurement sites. [659]. The sensitivity of temporal artery thermometry for fever detection was 26 % only. Due to its poor accuracy temperature measurement at the temporal artery is not recommended for monitoring core temperature.

A Dutch study evaluated the accuracy of tympanic and two types of infrared skin thermometers (Beurer and Thermo-focus) compared to rectal measurement in a group of 100 children between 0 and 18 years of age admitted to a paediatric ward [530]. The results of this prospective study indicated that tympanic, Beurer and Thermo-focus thermometers cannot reliably predict rectal temperature.

A study from Japan compared the accuracy of an axillary thermometer and an ear thermometer and infrared thermal imaging in cold and in warm environment. [668]. The body temperature obtained with an axillary thermometer was used as a reference. The receiver operating characteristic (ROC) analysis found a fair accuracy for ear thermometers in a warm environment (mean temperature: 20.0°C), while the ear thermometer in a cold environment (mean temperature: 12.6°C) and measurements with thermography in both environments showed a low accuracy.

A study, conducted in Atlanta, GA, compared 3 infrared thermal detection systems with oral temperatures and self-reported fever in 2873 patients [509]. 476 subjects reported a fever, and 64 had a confirmed fever which was defined as oral temperature greater or equal to 100°F ($=37.8^{\circ}\text{C}$). When compared with oral temperatures, 2 systems (Opto-Therm and FLIR) were reasonably accurate for detecting fever and predicted fever better than self-reports. Applied Sciences in Medicine. However, correlations between the oral temperatures and measurements obtained from the infrared detection systems were only moderate for Opto-Therm and FLIR, and poor for Wahl.

The increased use of infrared thermal imaging for fever screening induced the development of new standards for this application [586]. These standards include specifica-

tions of the thermal imager and describe also the procedure to obtain accurate and reliable body temperature measurements from the human face.

Fever in children was addressed in some papers. A review from Poland discussed pharmacotherapy for fever in children [49] and a paper from Belgium summarised fever management in children younger than 3 years [51]. 4 papers were related to effectiveness and side effects of drug therapy for fever in children [233, 355, 387, 388].

A study from paediatric emergency department reported high prevalence of fever phobia and inappropriate treatment for febrile children among caregivers of patients seen in the emergency department [363]. An other study investigated ethnic differences in parental perceptions and management of childhood fever [189]. Based on a sample of 487 parents, deficits in fever management of children were identified. The authors concluded that continued education of all families about fever is necessary. A study from Cincinnati, OH, investigated the reliability of parent-measured axillary temperatures [381] and reported a very high correlation between axillary temperature measurements performed by trained study staff and parents.

The occurrence of post-operative fever following 78 paediatric laryngotracheoplasties was investigated in a retrospective study [616]. Forty-five percent of cases (35/78) had fever. Children undergoing single stage laryngotracheoplasty and/or having post-operative atelectasis were at higher risk for post-operative fever.

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Biophysics, Bioengineering, Medical Instrumentation [21, 34,53,54,62,84,109,110,125,128,154,158,172,179,183,196,197,209,235,252,254,284,323,325,346,352,370,373,374,375,378,380,38,382,392,398,399,410,411,422,428,431,432,434,468,471,472,492,500,504,508,510,531,551,552,573,586,595,602,619,623,636,637,648,650,660,667,678,685,697,733,734,742] had the highest number of hits in the allocation applied sciences. The use of various methods for body temperature measurement was published [64, 65, 125, 178, 83,196,301,467,475,495,509,542,586,595,648,659,699,709] including accuracy and reliability of thermometers [34,229,381,530,667,668]. The influence of measurement sites on temperature findings was topic of some papers [82,16,539,573,750]. Thermal modelling was the topic of 4 papers [138,279,48,409,619,625].

Various applications of lasers were discussed in 20 papers [19,56,110,117,197,329,402,410,432,486,550,579,580,607,642,654,663,666,695,730,734] including Laser Doppler flowmetry (329,402,432,486,550,642,695,730) and Laser Doppler imaging [197,432]. Application of microwave technology was the topic of 11 papers (9,10,112,167,184,227,352,460,605,656,689). Focussed ultrasound for hyperthermia generation was addressed in 13 papers (53,56,180,191,326,333,370,468,531,576,629,638,639), 2 papers reported ultrasound as imaging technique (57,709).

A high number of papers was allocated to clinical and experimental biochemistry (2,13,17,84,90,112,176,244,246,299,357,359,405,412,454,500,504,531,554,604,632,661,

673,713,718,739,735]. Pharmacy was the topic of some papers [3,11,98,161,213,285,322,327,754].

Microbiology[37,44,59,67,113,136,148,172,181,185,201, 295, 300,309,321, 341,384,407,426, 443,460,476,564,640,712]) food science [184,219] and environment [613] were the topics of the remaining papers.

Discussion

The search profile of this year's survey is identical to that of the literature review for the year 2009 (85) with similar results related to fields of application.

Physiology, thermoregulation and exercise physiology were topics with a high number of hits. Various aspects of therapeutic hypothermia including the neuroprotective effect after cardiac arrest have been discussed. Localised hyperthermia generated with various heating modalities such as focussed ultrasound or microwave was as a topic of complementary treatment for tumour disease.

Temperature measurements in cardiovascular disease were related either to hypothermic treatment after cardiac arrest or to monitoring of esophageal temperature during radio-frequency ablation of atrial fibrillations. Intravascular temperature measurements at atherosclerotic plaques was occasionally a topic in the papers of this year's survey. The thermographic assisted diagnosis of Raynaud's phenomenon attracted some papers.

There is an ongoing debate, what thermometer, in which body site obtains the most accurate and reliable result of core body temperature. The value of infrared thermal images for fever screening is still uncertain.

Only one of the articles related to breast cancer reported new research results for breast thermography [717]. However; the methodological approach in this paper does not allow to conclude from a particular breast thermogram on the benignity or malignity of a suspected lesion.

English continues to be the predominant language for medical publication. Only four percent of the papers reviewed in this article were not published in English, which is a smaller portion of non English publications than in last years survey. An average impact factor of 4.8 points was calculated for the 24 journals, which published in 2010 more than 10 papers on temperature measurement related to medicine. This is an increase by 1,8 points compared to last year. However, these might be caused by a high percentage of non medical journals compared to the survey for 2009.

36,4% of authors of papers came from Europe, 30,9 % originated from North America and 23,9 % from Asia. 106 authors from Asia live and work in China. Papers from countries in Africa and South America are still rare and comprise together less than 4% of all articles included.

In conclusion, this years' literature survey was focussed on temperature measurements related to medicine. Physiology, cardiovascular diseases and fever detection were frequently identified fields of temperature measurement in medicine. Monitoring of thermotherapy with change of

the core temperature in either direction was another important application of medical thermometry.

References

1. Xiao L, Xu K, Shen J, Li H.-W, Tong J.-J, Zhang X.-T. The application of Gunther Tulip retrievable inferior vena cava filter in interventional treatment for acute deep venous thrombosis of lower extremity. *Journal of Interventional Radiology* 2010, 19(9) 707-711
2. Shan L.-J, Liu Y.-J, Wu T.-H Experimental study on a new method for retrovirus titer determination. *Journal of Dalian Medical University* 2010, 32(4) 483-485
3. Huang X, Xing J, Wang X, Lu P, Chen W. Formulation optimization of gel matrix of *Saussurea involucre* by orthogonal design. *Zhongguo Zhongyao Zazhi* 2010,35(14) 1803-1805
4. Guo X.-M, Yuan X.-G. Experimental study on solving the heat stress of tank crewmen. *Chinese Journal of Biomedical Engineering* 2010, 29(3) 422-426
5. Guan L, Shi X, Zou Y, Deng XF, Cai PS. Effect on body surface thermograph in patients with myofascial pain syndrome treated with moxibustion on Yanglingquan (GB 34) *Zhongguo zhen jiu = Chinese acupuncture & moxibustion* 2010, 30(6) 485-489
6. Hui Y, Sen S, Wu Z, Sun X.-L, Zhou X.-Y, Hong Z, He Y.-Z. Transplantation of autologous peripheral blood stem cells for treating lower extremities ischemia in 14 cases. *Journal of Clinical Rehabilitative Tissue Engineering Research* 2010, 14: 19
7. Lei Z, Chu T.-B, Wang X.-J. Autologous peripheral blood stem cell transplantation for treatment of diabetic foot. *Journal of Clinical Rehabilitative Tissue Engineering Research* 2010, 14:19
8. Cao Y, Zuo D.-Y, Liu J.-W, Sun Q.-S. Quality control and evaluation of *Radix et Rhizoma Gentianae* from GAP production base. *Chinese Traditional and Herbal Drugs* 2010, 41(5) 821-825
9. Wang L, Peng W.-X, Deng J, Geng C.-K, Li Y.L, Gong Y.-K, Li S.-H. Inducing a femoral head necrosis model by microwave heating: Screening of optimal temperature and time. *Journal of Clinical Rehabilitative Tissue Engineering Research* 2010, 14:17
10. Jia D.-W, Liu J. Theoretical modeling and temperature prediction in moveable microwave based whole body hyperthermia. *Chinese Journal of Biomedical Engineering* 2010, 29(2) 270-276+282
11. Zhu L, Wang J, Chen Y, Guo F, Jin X. Effects of different package materials and storage methods on quality and shelf life of *Angelica sinensis*. *Zhongguo Zhongyao Zazhi* 2010, 35(8) 957-959
12. Li C, Wang W, Yu H, Li J, Yang R. Ultrasound-assisted subcritical water extraction of proanthocyanidins from defatted grape seed and its antioxidant activity. *Zhongguo Zhongyao Zazhi* 2010, 35(8) 967-972
13. He F, Liu W, Fu J, Deng K, Wu D, Dai R, Pi F, Luo J, Zhou H. Theoretical and experimental studies on apparent solubility parameters of multiple components for Chinese materia medica with HPLC fingerprint. *Zhongguo Zhongyao Zazhi* 2010, 35(8) 977-983
14. Gao J, Zhai Y, Wang R, Wang G, Wang B, Zhang H. Determination of eight kinds of ginsenosides in Shizhu ginseng. *Zhongguo Zhongyao Zazhi* 2010, 35(8) 989-991
15. Gao Y.-H, Xue Y.-L, Yun L, Zhou Z.-L, Xin C, Lei T, Pan J.-K. Changes of cephalofacial far infrared thermogram as an evaluating index for treatment of acute peripheral facial paralysis. *Journal of Clinical Rehabilitative Tissue Engineering Research* 2010, 14:13
16. Zhou M.J, Chen R.X, Chen M.R, Li Q.L. Comparison of detecting heat-sensitive condition of Neiguan (PC 6) in heart-qi deficiency patients with moxibustion sensation and with infra-red. *Zhongguo zhen jiu = Chinese acupuncture & moxibustion* 2010, 30(3) 213-216
17. Wang H, Ye Q, Zhao L, Tian W.-J, Zhang G.-Q. Reversed-phase ion-pair chromatography in determination of

sinomenine contents in *Sinomenium acutum*. Academic Journal of Second Military Medical University 2010, 31(2) 193-195

18. Song X.J, Zhang D. Study on the manifestation of facial infrared thermography induced by acupuncture Guangming (GB 37) and Hegu (LI 4). Chinese acupuncture & moxibustion 2010, 30(1) 51-54

19. Koch F, Vietze A, Laskowski U, Ritter C, Linder A, Hosten N. Ex-Vivo Human Lung Tumor Model: Use for Temperature Measurements during Thermal Ablation of NSCLC (Humanes Ex-vivo-Lungentumormodell: Nutzung für Temperaturmessungen während der Thermoablation von NSCLC). RöFo Fortschritte auf dem Gebiet der Röntgenstrahlen und der bildgebenden Verfahren 2010, (Epub ahead of print)

20. Gellermann J, Wust P. Physical and technical principles of regional deep hyperthermia (Physikalische und technische Grundlagen der regionalen Tiefenhyperthermie) Onkologie 2010, 1-7

21. Just T, Specht O, Ovari A, Langnau E, Schmidt W, Pau H.-W. Thermographic investigations during stapledotomy using a CO₂ laser (Thermografische Untersuchung während der CO₂-Laserstapedotomie) Laryngo- Rhino- Otologie 2010, 89(9) 549-555

22. Buchner H. Sources of error in nerve conduction studies (Fehlerquellen in der Neurografie) Klinische Neurophysiologie 2010, 41(3) 183-185.

23. Zulley J, Popp R, Ettenhuber K, Schwarz J, Hajak G, Pieh C, Schulz G, Geisler P. Impact of passive changes in bed climate on sleep. (Auswirkungen passiver Änderungen des Bettklimas auf den Schlaf) Somnologie 2010; 1-7

24. Brauer A, Waeschle R.M, Heise D, Perl T, Hinz J, Quintel M, Bauer M. Preoperative prewarming as a routine measure: First experiences (Präoperative Vorwärmung in der klinischen Routine : Erste Erfahrungen) Anaesthesist 2010, 59(9) 842-850

25. Keck T, Lindemann J. Simulation and Air-conditioning in the Nose (Strömungssimulation und Klimatisierung in der Nase) Laryngo- Rhino- Otologie 2010, 89 (Suppl. 1) S1-S14

26. Hanel W. Swelling, redness and pain in the diabetic foot (Geschwollener, geröteter und schmerzhafter Fuss bei Diabetes) Diabetes, Stoffwechsel und Herz 2010, 19(3) 205-209

27. Ernst E. Green tea? But lukewarm please! (Grüner Tee? Aber bitte lauwarm!) MMW-Fortschritte der Medizin 2010, 152:18-32

28. Frank-Herrmann P, Sottong U, Freundl G, Strowitzki T. Natural Family Planning (Natürliche Familienplanung) Gynäkologie 2010, 43(4) 341-350

29. Kardesoglu E, Uz O, Isilak Z. Cardiovascular effects of turkish bath and sauna/the effect of turkish bath on QT dispersion (Turk hamami ve saunanin kardiyovaskuler etkileri / turk hamamin in QT dispersiyonuna etkileri) Anadolu Kardiyoloji Dergisi 2010, 10(6) 559

30. Bayram I, Beyaz S.G, Senturk Y. Effect of preoperatively administered cyproheptadine hydrochloride on postoperative shivering in nasal surgery (Burun cerrahisi uygulanacak hastalara preoperatif siproheptadin hidroklorid verilmesinin postoperatif titremeye olan etkisi) Türkiye Klinikleri Journal of Medical Sciences 2010, 30(5) 1510-1516.

31. Köşüs N, Kosus A, Duran M, Simavli S, Turhan N. Comparison of standard mammography with digital mammography and digital infrared thermal imaging for breast cancer screening. (Meme kanseri taraması için standart mamografi ile dijital mamografi ve dijital infrared termal görüntülemenin karşılaştırılması) Journal of the Turkish German Gynecology Association Artemis (2010) 11

32. Dogrul A. Malingering of pain (Agri simülasyonu). Türkiye Klinikleri Journal of Medical Sciences 2010, 30(4, Suppl) S7-S14.

33. Canpolat D, Olcay L. Fever arisen due to cytosine arabinoside in children with acute leukemia (Akut lösemili çocuklarda sitozin arabinoside bağlı olarak gelişen ateş) Türkiye Klinikleri Pediatri 2010, 19 (3) 203-209

34. Can E, Bulbul A, Uslu S, Nuhoglu A. Comparison of non-contact infrared forehead thermometer to standard temperature measurement in neonatal intensive care unit patients. (Yenidoğan yoğun bakım birimindeki hastalarda temasız infrared alin termometresi ile standart termometrelerin karşılaştırılması) Turk Pediatri Arsivi 2010, 45(3) 257-263

35. Baysal A, Sasmazel A, Bugra O, Zeybek R. Necessity of adequate monitoring during carotid body tumors (Karotis tumor rezeksiyonlarında yeterli monitorizasyon gerekliliği) Anadolu Kardiyoloji Dergisi 2010, 10(4) 380-381.

36. Sozen S.B, Kaya A, Cinemre H, Albayrak E.S, Ozhan H, Yazici M.A case of infective endocarditis presented with a giant free wall vegetation (Serbest duvarda büyük hareketli vejetasyon ile kendisini belli eden infektif endokardit olgusu) Anadolu Kardiyoloji Dergisi 2010, 10(1) E3-E4

37. Esparza CI, Sanz ER, Pedroche CD, Casasola GGD. Blood cultures when fever? (Si fiebre, hemocultivos?) Revista Clinica Espanola 2010, 210(11) 559-566

38. Soterias Martinez I, Subirats Bayego E, Reisten O. Accidental hypothermia (Hipotermia accidental) Medicina Clinica 2010.

39. Lopez Hernandez MA, Herrera Alvarez W, Sibaja Nieto L, Alvarez Vera JL. Low-risk febrile neutropenia in patients with lymphoblastic acute leukemia. Amikacin-ceftriaxone or oral fluoroquinolones (Neutropenia febril de bajo riesgo en pacientes con leucemia aguda linfoblástica. Amikacina-ceftriaxona o fluoroquinolonas orales) Medicina Interna de Mexico 2010, 26:(3) 219-225 Epub ahead of print]

40. Blanco-Pajon M.J Is temperature monitoring recommendable in patients under anesthesia? The clinical and anesthetic implications (Es recomendable el monitoreo de la temperatura en los pacientes bajo anestesia? Implicaciones clínicas y anestésicas) Revista Mexicana de Anestesiología 2010, 33(Suppl. 1) S70-S75

41. Martin-Hernandez H, Lopez-Messa J.B, Perez-Vela J.L, Molina-Latorre R, Cardenas-Cruz A, Lesmes-Serrano A, Alvarez-Fernandez J.A, Fonseca-San Miguel F, Tamayo-Lomas L.M, Herrero-Ansola y.P. Managing the post-cardiac arrest syndrome (Manejo del síndrome posparada cardíaca). Medicina Intensiva 2010, 34(2) 107-126

42. Ramos A, de Antonio D.G, Campo-Canaveral J.L, Petite Felipe D. Thoracic mass and lung nodules (Masa torácica y nódulos pulmonares) Enfermedades Infecciosas y Microbiología Clínica 2010, 28(1) 62-63

43. Sempau L, Alonso-Alonso T, Gonzalez-Moran A, Prada C, Lamoca-Martin M, Rodriguez-Prieto M.A. Letter: Un nuevo caso de nevus oligemicus. Dermatology Online Journal 2010, 16:(8)

44. Krajewska-Kulak E, Gniadek A, Kantor A, Lukaszuk C, MacUra AB. Analysis of incidence of pathogenic fungi in air at the department of chronic care. preliminary study (Analiza występowania patogenów grzybiczych w powietrzu oddziału opieki długoterminowej. doniesienie wstępne). Mikologia Lekarska 2010, 17(1) 21-29

45. Harazin B. Comparison of recovery time in a cold provocation test performed according to polish requirements and iso 14835-1 standard. Medycyna Pracy 2010, 61(4) 413-417

46. Prasal M, Sawicka K.M, Wysokinski A. Thermography in cardiology (Termowizja jako metoda diagnostyczna stosowana w kardiologii). Kardiologia Polska 2010, 68(9) 1052-1056

47. Prasal M, Sawicka K.M, Wysokinski A, Wolski T. Thermography in medical diagnostics (Termowizja jako metoda diagnostyczna stosowana w medycynie.) Przegląd Lekarski 2010, 67(2) 127-130

48. Pietraszkiewicz T, Borodulin-Nadzieja L, Janocha A, Wozniak W, Standa M. Evaluation of telemetric method in the assessment of heat stress of copper miners (Ocena przydatności systemu telemetrii bezprzewodowej do pomiaru obciążenia cieplnego górników w kopalniach miedzi) Medycyna Pracy 2010, 61(1) 35-42

49. Los-Rycharska E, Czerwionka-Szaflarska M. Fever and its pharmacotherapy in children. (Gorączka u dzieci i jej farmakoterapia). Pediatria Polska 2010, 85(2) 156-164

50. Pouard P. Priming solution for neonatal and pediatric cardiopulmonary bypass. (Le priming en CEC neonatale et pediatrique) IRBM 2010, 31 (Suppl. 1) S27-S30

51. De Ronne N. Management of fever in children younger than 3 years (La fièvre chez les enfants de moins de 3 ans) Journal de Pharmacie de Belgique 2010, 65(3) 53-57

52. Charabidze D, Veremme A, Morvan G, Hedouin V, Gosset D. Postmortem rectal temperature measurement in fluctuating thermal environment. Revue de Medecine Legale 2010, 1(2) 61-65

53. Aubry J.-F, Marsac L, Pernot M, Robert B, Boch A.-L, Chauvet D, Salameh N, Souris L, Darasse L, Bittoun J, Martin Y, Cohen-Bacrie C, Souquet J, Fink M, Tanter M. High intensity focused ultrasound for transcranial therapy of brain lesions (Ultrasons focalisés de forte intensité pour la thérapie transcrânienne du cerveau). *IRBM* 2010, 31(2) 87-96
54. Tourette S, Chommeloux L, Le Guen J.F, Friedt J.M, Menage P, Collin G, Staraj R, Hermelin D, Ballandras S, Luxey C, Le Thuc P. Implantable SAW sensor for telemetry of temperature and blood pressure: The ANR-TECSAN CIMPA project (Capteur SAW implantable dédié à la télémessure de la température et de la pression artérielle : le projet ANR-TECSAN CIMPA) *IRBM* 2010, 31(2) 101-106
55. Shiki A, Ishikura Y, Ogata K. Factors affecting rectal temperature during anesthesia for dental treatment in mentally disabled patients. *Journal of Japanese Dental Society of Anesthesiology* 2010, 38(3) 272-278
56. Matsumae M, Baba T, Atsumi H. Current intraoperative MRI technologies for neurosurgical field and its future directions. *Japanese Journal of Neurosurgery* 2010, 19(6) 464-470
57. Nakagawa M, Hayashi M, Houki S, Matsubara K, Kamijima K, Nakinishi S, Abe Y, Ohseto K. Ultrasound guided T2 intercostal nerve block: A comparison with stellate ganglion block under the blind technique and ultrasound guided technique. *Japanese Journal of Anesthesiology* 2010, 59(5) 604-609
58. Oka M, Sawai T, Kajita I, Minami T. Assessment of factors leading to postanesthetic shivering in patients undergoing laparoscopic colectomy with total intravenous anesthesia using remifentanyl. *Japanese Journal of Anesthesiology* 2010, 59(4) 451-454
59. Morikane K. Changing management of pandemic influenza. *The Japanese journal of clinical pathology* 2010, 58(3) 254-26
60. Liakas R, Krishchiukaitis A, Iakushka P, Tsivinskene G, Veikutis V, Antushevas A, Vaichulite R. Possibility of the thermographic method for detection of ischemic myocardium. *Kardiologija* 2010, 50(3) 71-73
61. Chistiakov AL, Klochikhin AL. Application of polymer-based iodine-containing antiseptics to the surgical treatment of laryngeal cancer. *Vestnik otorinolaringologii* 2010, 1: 38-41
62. Kravchenko AM, Anokhin AM. Automated biomedical complexes for rapid temperature diagnosis. *Meditinskaja tekhnika* 2010, 2: 21-26
63. Acri G, Tripepi M.G, Vermiglio V, Sansotta C, Testagrossa B, Causa F, Vermiglio G. Telethermographic evidence of tattoos dermatological relevance (Valutazione della rilevanza dermatologica dei tatuaggi mediante teletermografia) *Acta Medica Mediterranea* 2010, 26(1) 17-23
64. Peron P. The choice of the method for body temperature measurement in intensive care patients: a literature review (La scelta del metodo per la misurazione della temperatura corporea nel paziente ricoverato in terapia intensiva: una revisione della letteratura.) *Professioni infermieristiche* 2010, 63(2) 99-105
65. Sund-Levander M, Grodzinsky E. Bedom kroppstemperatur baserat på kunskap, inte på tradition. *Lakartidningen* 2010, 107(19) 1296-1298
66. Nielsen J.S, Gilsaa T. Continual venous haemofiltration in severe hypothermia (Kontinuerlig venovenøs haemofiltration ved svær hypotermi.) *Ugeskrift for læger* 2010, 172(8) 627-628
67. Santini M.S, Salomon O.D, Acardi S.A, Sandoval E.A, Tartaglino L. Lutzomyia longipalpis behavior and control at an urban visceral leishmaniasis focus in Argentina. (Comportamento e controle de Lutzomyia longipalpis em foco de leishmaniose visceral urbana na Argentina) *Revista do Instituto de Medicina Tropical de Sao Paulo* 2010, 52:4
68. Ferguson SA, Darwent D, Sargent C, Kennaway DJ, Roach GD. The role of circadian timing in sleepiness rhythms. *Journal of Sleep Research* 2010, 19 (Suppl. 2) 182-183
69. Heath G, Sargent C, Zhou X, Matthews R, Paech G. Journal The effect of forced desynchrony on self-perceived hunger and snacking behaviour of *Sleep Research* 2010, 19 (Suppl. 2) 88
70. Matthews RW, Ferguson SA, Zhou X, Darwent D, Paech GM, Heath G, Sargent C, Kennaway DJ, Roach GD. Sleep adaptation, prior wake and the body's circadian influence on psychomotor vigilance *Journal of Sleep Research* 2010, 19 (Suppl. 2) 51
71. Paech GM, Ferguson SA, Sargent C, Darwent D, Zhou X, Williams L, Matthews RW, Kennaway DJ, Roach GD. The relative influence of circadian and homeostatic processes on sleep during forced desynchrony with a restricted sleep opportunity. *Sleep* 2010, 33 (Suppl. 1) A86
72. Zhou X, Ferguson SA, Matthews RW, Sargent C, Darwent D, Williams L, Paech GM, Kennaway DJ, Roach GD. Sleep, wake, and phase dependent changes in neurobehavioural performance *Sleep* 2010, 33 (Suppl. 1) A69
73. Williams L, Dorrian J, Ferguson SA, Darwent D, Sargent C, Kennaway DJ, Paech GM, Zhou X, Matthews RW, Roach GD. Circadian and sleep/wake modulation of mood in healthy subjects *Sleep* 2010, 33 (Suppl. 1) A70
74. Williams L, Dorrian J, Ferguson SA, Darwent D, Sargent C, Paech GM, Kennaway DJ, Zhou X, Matthews RW, Roach GD. Effects of circadian phase, prior wakefulness and sleep restriction on mood regulation in healthy participants *Journal of Sleep Research* 2010, 19 (Suppl. 2) 34
75. Williams L, Dorrian J, Ferguson SA, Darwent D, Sargent C, Kennaway DJ, Paech GM, Zhou X, Matthews RW, Roach GD. Effects of circadian phase, prior wakefulness and sleep restriction on mood regulation in healthy participants *Sleep* 2010, 33 (Suppl. 1) A96-A97
76. Zhou X, Ferguson SA, Matthews RW, Sargent C, Darwent D, Paech GM, Williams L, Kennaway DJ, Roach GD. Does the interaction effect of prior wake and circadian phase on neurobehavioural performance depend on sleep? *Journal of Sleep Research* 2010, 19 (Suppl. 2) 51-52
77. Abate M, Carlo LD, Romualdo SD, Ionta S, Ferretti A, Romani GL, Merla. Postural adjustment in experimental leg length difference evaluated by means of thermal infrared imaging. *A. Physiological Measurement* 2010; 31(1): 35-43.
78. Abbiss CR, Burnett A, Nosaka K, Green JP, Foster JK, Laursen PB. Effect of hot versus cold climates on power output, muscle activation, and perceived fatigue during a dynamic 100-km cycling trial. *Journal of sports sciences* 2010; 28(2): 117-125
79. Adelson PD. Pediatric traumatic brain injury: Present and future considerations in management. *Japanese Journal of Neurosurgery* 2010; 19(3): 196-201
80. Agarwal S, Sethi V, Srivastava K, Jha P, Baqui AH. Human touch to detect hypothermia in neonates in Indian slum dwellings. *Indian Journal of Pediatrics* 2010; 77(7): 759-762
81. Alexandroff AB, Harman KE. Urticaria: An evidence-based update. Conference report. *British Journal of Dermatology* 2010; 163(2): 275-278
82. Allami A, Mohammadi N, Shahrokhi R. Temperature recording sites in infants, children, and adults. *Iranian Red Crescent Medical Journal* 2010; 12(4): 413-418.
83. Amirjalali S, Keihani Doust ZT, Ahmadi M, Sabouri A, Kavemanesh Z, Afsharpeyman S, Torkaman M, Ghazavi Y. Relationship between iron deficiency anemia and febrile seizures. *Iranian Journal of Child Neurology* 2010; 4(1): 27-30
84. Ammam M, Fransae J. Micro-biofuel cell powered by glucose/O₂ based on electro-deposition of enzyme, conducting polymer and redox mediators: Preparation, characterization and performance in human serum. *Biosensors and Bioelectronics* 2010; 25(6): 1474-1480.
85. Ammer K. Thermology 2009 - A computer-assisted literature survey. *Thermology International* 2010; 20(1): 5-27
86. Ammer K. Che gelida manina - What a cold tiny hand. *Thermology International* 2010; 20(3): 85-86
87. Ammer K. Temperature gradients in Raynaud's phenomenon. Comparison by gender, age, class and finger involvement. *Thermology International* 2010; 20(3): 100-109
88. Ammer K. Thermography in spinal disorders - A narrative review. *Thermology International* 2010; 20(4): 117-125
89. Anderson J. Thermography: a holistic approach to breast screening. Beginnings (American Holistic Nurses' Association) 2010; 30(1): 12-13

90. Andrews AM Mathews T. Singh Y. Effects of serotonin transporter deficiency on extracellular serotonin and other neurotransmitters following MDMA and serotonin-related toxicity models International Journal of Neuropsychopharmacology 2010; 13 SUPPL. 1 (42)
91. Andrzejowski JC Turnbull D. Nandakumar A. Gowthaman S. Eapen G. A randomised single blinded study of the administration of pre-warmed fluid vs active fluid warming on the incidence of peri-operative hypothermia in short surgical procedures Anaesthesia 2010; 65(9): 942-945
92. Anei R. Sakai H. Iihara K. Nagata I Effectiveness of brain hypothermia treatment in patients with severe subarachnoid hemorrhage - comparisons at a single facility . Neurologia Medico-Chirurgica 2010; 50(1):0 (879-883).
93. Anonymous. Fentanyl patches: Preventable overdose Prescrire International 2010; 19(1):05 (22-25)
94. Anonymous. Manipulative therapies Focus on Alternative and Complementary Therapies 2010; 15(2): 170-174
95. Anonymous. Proceedings from the 9th Annual Meeting of the ISSWSH Journal of Sexual Medicine 2010; 7 SUPPL. 3
96. Anonymous. Raynaud's: the big chill for fingers and toes. Blood vessel spasms can make the cold a painful experience. Harvard heart letter 2010; 20(6): 3
97. Anonymous. Hot seats, laptops, and sperm. Harvard men's health watch 2010; 14(6): 6
98. Anonymous: Return of temperature-controlled lines [2] Pharmaceutical Journal 2010; 284(7):604 (553).
99. Ansermot N. Albayrak O. Schlapfer J. Crettol Wavre S. Croquette-Krokar M. Bourquin M. Deglon J.-J. Faouzi M. Rey F. Scherbaum N. Eap CB Does methadone prolong QTc intervals by depleting testosterone levels? - Reply Archives of Internal Medicine 2010; 170(1)(5): 1408
100. Appelboom R. Williams MP Duffy MR Sand aspiration: A case report and review of the radiological features and management Anaesthesia 2010; 65(8): 848-854
101. Aragon-Sanchez J. Lazaro-Martinez JL Hernandez-Herrero MJ Triggering mechanisms of neuroarthropathy following conservative surgery for osteomyelitis Diabetic Medicine 2010; 27(7): 844-847
102. Arima Y. Kojima S. Kusahara K. Nagayoshi Y. Kawano H. Kaikita K. Sugiyama S. Kinoshita Y. Ogawa H. Preservation of neurological function following therapeutic hypothermia in a patient of in-hospital cardiac arrest with non-ventricular fibrillation Journal of Cardiology Cases 2010; 1(1): e45-e48
103. Aritake-Okada S. Higuchi S. Suzuki H. Kuriyama K. Enomoto M. Soshi T. Kitamura S. Watanabe M. Hida A. Matsuura M. Uchiyama M. Mishima K. Diurnal fluctuations in subjective sleep time in humans Neuroscience Research 2010; 68(3): 225-231
104. Armstrong LE Exertional heatstroke in American football: Persistent battles, research frontiers Current Sports Medicine Reports 2010; 9(3): 126-127
105. Armstrong RG Seely AJ Kilby D. Journeay WS Kenny GP Cardiovascular and thermal responses to repeated head-up tilts following exercise-induced heat stress Aviation Space and Environmental Medicine 2010; 81(7): 646-653
106. Arnardottir ES Thorleifsdottir B. Svanborg E. Olafsson I. Gislason T Sleep-related sweating in obstructive sleep apnoea: Association with sleep stages and blood pressure . Journal of Sleep Research 2010; 19(1, Part. 2):122-130
107. Arnulf I. Brion A. Pottier M Ring the bell for Matins: Circadian adaptation to split sleep in monks . Sleep 2010; 33 (Suppl. 1): A65
108. Arroyo JA The sheep as a model of intrauterine growth restriction (IUGR) American Journal of Reproductive Immunology 2010; 63 SUPPL. 1 (3)
109. Awan ZA Wester T. Kvernebo K. Human microvascular imaging: A review of skin and tongue videomicroscopy techniques and analysing variables Clinical Physiology and Functional Imaging 2010; 30(2): 79-88
110. Babilas P. Schreml S. Szeimies R.-M. Landthaler M. Intense pulsed light (IPL): A review . Lasers in Surgery and Medicine 2010; 42(2): 93-104
111. Bachet J What is the best method for brain protection in surgery of the aortic arch? Selective antegrade cerebral perfusion . Cardiology Clinics 2010; 28(2): 389-401
112. Bacsá B. Bosze S. Kappe CO Direct solid-phase synthesis of the (beta)-amyloid (1-42) peptide using controlled microwave heating Journal of Organic Chemistry 2010; 75(6): 2103-2106).
113. Badgwell Doherty C. Doherty SD Rosen T. Thermotherapy in dermatologic infections Journal of the American Academy of Dermatology 2010; 62(6): 909-927
114. Barker MC Combined spinal/general anesthesia with post-operative femoral nerve block for total knee replacement in a patient with familial hyperkalemic periodic paralysis: A case report AANA Journal 2010; 78(3): 191-194
115. Barlas P. Hernandez TD McFadden KL Heart rate reduces when stroke patients are touched. And? Focus on Alternative and Complementary Therapies 2010; 15(3): 225-226
116. Barnett AG Tong S. Clements ACA What measure of temperature is the best predictor of mortality? . Environmental Research 2010; 110(6): 604-611
117. Barolet D. Boucher A. Radiant near infrared light emitting diode exposure as skin preparation to enhance photodynamic therapy inflammatory type acne treatment outcome Lasers in Surgery and Medicine 2010; 42(2): 171-178
118. Bartfai T. Conti B. Fever TheScientificWorldJournal 2010; 10 (490-503).
119. Batchelder BC Krause BA Seegmiller JG Starkey CA Gastrointestinal temperature increases and hypohydration exists after collegiate men's ice hockey participation. Journal of strength and conditioning research / National Strength & Conditioning Association 2010; 24(1): 68-73
120. Baugnon T. Duracher-Gout C. Blanot S. Vecchione A. Guillou F. Carli PA Meyer PG Hemorrhagic shock and encephalopathy syndrome in a quadriplegic child: An argument for the triggering role of impaired thermoregulatory response Spine 2010; 35(1)(5): (E730-E732).
121. Bechtel M. Marquardt A. Muller-Steinhardt M. Stierle U. Sievers H.-H. Perioperative temperature is no predictor of pulmonary valve allograft function or the development of anti-HLA antibodies after the Ross procedure in adults Applied Cardiopulmonary Pathophysiology 2010; 14(1): 43-48).
122. Belavy DL Bock O. Borst H. Armbrrecht G. Gast U. Degner C. Beller G. Soll H. Salanova M. Habazettl H. Heer M. de Haan A. Stegeman DF Cerretelli P. Blottner D. Rittweger J. Gelfi C. Kornak U. Felsenberg D. The 2(nd) Berlin BedRest study: Protocol and implementation Journal of Musculoskeletal Neuronal Interactions 2010; 10(3): 207-219
123. Beltramelli M. Vercellesi P. Frasin A. Gelmetti C. Corona F. Localized severe scleroderma: A retrospective study of 26 pediatric patients Pediatric Dermatology 2010; 27(5): 476-480
124. Bem R. Jirkovska A. Dubsky M. Fejfarova V. Buncova M. Skibova J. Jude EB Role of quantitative bone scanning in the assessment of bone turnover in patients with Charcot foot Diabetes Care 2010; 33(2): 348-349
125. Bensalah K. Tuncel A. Hanson W. Stern J. Han B. Cadeddu J Monitoring of thermal dose during ablation therapy using quantum dot-mediated fluorescence thermometry. Journal of Endourology 2010; 24(1)(2): 1903-1908).
126. Bergman R. Braber A. Adriaanse MA Van Vugt R. Tjan DHT. Van Zanten A.RH Haemodynamic consequences of mild therapeutic hypothermia after cardiac arrest European Journal of Anaesthesiology 2010; 27(4): 383-387
127. Bernard SA Smith K. Cameron P. Masci K. Taylor DM Cooper DJ Kelly A.-M. Silvester W. Induction of therapeutic hypothermia by paramedics after resuscitation from out-of-hospital ventricular fibrillation cardiac arrest: A randomized controlled trial Circulation 2010; 122(7): 737-742).
128. Bettinardi V. Picchio M. Di Muzio N. Gianolli L. Gilardi MC Messa C Detection and compensation of organ/lesion motion using 4D-PET/CT respiratory gated acquisition techniques . Radiotherapy and Oncology 2010; 96(3): 311-316
129. Bharara M. Schoess J. Nouvong A. Armstrong DG Wound inflammatory index: a "proof of concept" study to assess wound

- healing trajectory. *Journal of diabetes science and technology* 2010; 4(4): 773-779
- 130.Biarent D. Bingham R. Eich C. Lopez-Herce J. Maconochie I. Rodriguez-Nunez A. Rajka T. Zideman D. European Resuscitation Council Guidelines for Resuscitation 2010 Section 6. Paediatric life support. *Resuscitation* 2010; 81(1):0 (1364-1388)
- 131.Bienert A. Kusza K. Wawrzyniak K. Grzeskowiak E. Kokot ZJ. Matysiak J. Grabowski T. Wolc A. Wiczling P. Regulski M. Assessing circadian rhythms in propofol PK and PD during prolonged infusion in ICU patients. *Journal of Pharmacokinetics and Pharmacodynamics* 2010; 37(3): 289-304
- 132.Biery Jr. JC. Blivin SJ. Pyne SW. Training in ACSM black flag heat stress conditions: How US marines do it. *Current Sports Medicine Reports* 2010; 9(3): 148-154
- 133.Biesenbach P. Gremmel T. Horl WH. Kain R. Saemann G. Gross proteinuria and subacute renal failure after coronary angiography - A case report of cholesterol crystal embolization. *Wiener Klinische Wochenschrift* 2010; 122(7):8 (251-254)
- 134.Bisinotto F.MB. Fabri DC. Calcado MS. Perfeito PB. Tostes LV. Sousa GD. Anesthesia for videolaparoscopic cholecystectomy in a patient with Steinert disease. Case report and review of the literature. *Revista Brasileira de Anestesiologia* 2010; 60(2): 181-191+105-110
- 135.Black H. When to warn? Comparing heat indices to evaluate public health risks. *Environmental Health Perspectives* 2010; 118(1): (A35)
- 136.Blair PJ. Wierzbza TF. Touch S. Vonthanak S. Xu X. Garten RJ. Okomo-Adhiambo MA. Klimov AI. Kasper MR. Putnam SD. Influenza epidemiology and characterization of influenza viruses in patients seeking treatment for acute fever in Cambodia. *Epidemiology and Infection* 2010; 138(2): 199-209
- 137.Blair PS. Perspectives on bed-sharing. *Current Pediatric Reviews* 2010; 6(1): 67-70.
- 138.Blasco-Gimenez R. Lequerica JL. Herrero M. Hornero F. Berjano EJ. Black-box modeling to estimate tissue temperature during radiofrequency catheter cardiac ablation: Feasibility study on an agar phantom model. *Physiological Measurement* 2010; 31(4): 581-594.
- 139.Bogerd N. Perret C. Bogerd CP. Rossi RM. Daanen HA. Journal The effect of pre-cooling intensity on cooling efficiency and exercise performance. *of sports sciences* 2010; 28(7): 771-779
- 140.Bohlega S. Stigsby B. Al Mohaileb F. Teaching neuroimages: Harlequin syndrome caused by lesion of sympathetic regulatory neurons. *Neurology* 2010; 74(2):4 (e106).
- 141.Borud E. White A. A review of acupuncture for menopausal problems. *Maturitas* 2010; 66(2): 131-134
- 142.Boyd J. Brugger H. Shuster M. Prognostic factors in avalanche resuscitation: A systematic review. *Resuscitation* 2010; 81(6): 645-652
- 143.Brade C. Dawson B. Wallman K. Polglaze T. Postexercise cooling rates in 2 cooling jackets. *Journal of athletic training* 2010; 45(2): 164-169
- 144.Brandt S. Oguz R. Huttner H. Waglechner G. Chiari A. Greif R. Kurz A. Kimberger O. Resistive-polymer versus forced-air warming: Comparable efficacy in orthopedic patients. *Anesthesia and Analgesia* 2010; 110(3): 834-838
- 145.Brazaitis M. Kamandulis S. Skurvydas A. Daniuseviciute L. The effect of two kinds of T-shirts on physiological and psychological thermal responses during exercise and recovery. *Applied Ergonomics* 2010; 42(1): 46-51
- 146.Brazaitis M. Skurvydas A. Vadopalas K. Daniuseviciute L. Force variability depends on core and muscle temperature. *Journal of Thermal Biology* 2010; 35(8): 386-391
- 147.Brodersen J. Jorgensen KJ. Gotzsche PC. The benefits and harms of screening for cancer with a focus on breast screening. *Polskie Archiwum Medycyny Wewnetrznej* 2010; 120(3): 89-94
- 148.Bulbuloglu E. Ciralik H. Kantarceken B. Cetinkaya A. Gul M. Ezberci F. Yersinia pseudotuberculosis colitis presented with severe gastrointestinal bleeding. *Turkish Journal of Gastroenterology* 2010; 21(2): 179-182
- 149.Bundgaard-Nielsen M. Wilson TE. Seifert T. Secher NH. Crandall CG. Effect of volume loading on the Frank-Starling re-
- lation during reductions in central blood volume in heat-stressed humans. *Journal of Physiology* 2010; 588(1)(7): 3333-3339
- 150.Buono MJ. Leichter Martha S. Heaney JH. Peripheral sweat gland function, but not whole-body sweat rate, increases in women following humid heat acclimation. *Journal of Thermal Biology* 2010; 35(3): 134-137
- 151.Burdon CA. O'Connor HT. Gifford JA. Shirreffs SM. Influence of beverage temperature on exercise performance in the heat: A systematic review. *International Journal of Sport Nutrition and Exercise Metabolism* 2010; 20(2): 166-174
- 152.Buresh CT. Folk GE. Dickson EW. Thrift DL. Comparing hypothermia in the human and the black bear (*Ursus americanus*). *Biological Rhythm Research* 2010; 41(4): 247-257
- 153.Busch H.-J. Eichwede F. Fodisch M. Taccone FS. Wobker G. Schwab T. Hopf H.-B. Tonner P. Hachimi-Idrissi S. Martens P. Fritz H. Bode C. Vincent J.-L. Inderbitzen B. Barbut D. Sterz F. Janata A. Safety and feasibility of nasopharyngeal evaporative cooling in the emergency department setting in survivors of cardiac arrest. *Resuscitation* 2010; 81(8): 943-949
- 154.Caduff A. Talar MS. Zakharov P. Cutaneous blood perfusion as a perturbing factor for noninvasive glucose monitoring. *Diabetes Technology and Therapeutics* 2010; 12(1): 1-9
- 155.Cagli K. Basar FN. Cagli K. Yalcinkaya A. Ozeke O. Turhan N. Golbasi Z. Tufekcioglu O. Multisite infective endocarditis/endarteritis in a young peripartum patient with patent ductus arteriosus and rheumatic heart valve disease: A case report. *Echocardiography* 2010; 27(4): 466-469
- 156.Cajochen C. Chellappa S. Schmidt C. What keeps us awake?- the role of clocks and hourglasses, light, and melatonin. *International Review of Neurobiology* 2010; 93:C (57-90)
- 157.Caluwe R. Vanholder R. Dhondt A. Hemodialysis as a treatment of severe accidental hypothermia. *Artificial Organs* 2010; 34(3): 237-239
- 158.Camilleri M. Thorne NK. Ringel Y. Hasler WL. Kuo B. Esfandiyari T. Gupta A. Scott SM. McCallum RW. Parkman HP. Soffer E. Wilding GE, Semler JR, Rao SSC. Wireless pH-motility capsule for colonic transit: Prospective comparison with radiopaque markers in chronic constipation. *Neurogastroenterology and Motility* 2010; 22(8): 874-882+e233
- 159.Cao M. Advances in Narcolepsy. *Medical Clinics of North America* 2010; 94(3): 541-555
- 160.Capper SJ. Loo S. Geue JP. Upton RN. Ong J. Macintyre PE. Ludbrook GL. Pharmacokinetics of fentanyl after subcutaneous administration in volunteers. *European Journal of Anaesthesiology* 2010; 27(3): 241-246
- 161.Carmona-Rodriguez A. Brown D. Rapid responses. *European Pharmaceutical Contractor* 2010; (Spring) 72-74
- 162.Carrera E. Schmidt JM. Fernandez L. Kurtz P. Merkow M. Stuart M. Lee K. Claassen J. Connolly ES. Mayer SA. Badjatia N. Spontaneous hyperventilation and brain tissue hypoxia in patients with severe brain injury. *Journal of Neurology, Neurosurgery and Psychiatry* 2010; 81(7): 793-797
- 163.Carroll PD. Nankervis CA. Giannone PJ. Cordero Use of polyethylene bags in extremely low birth weight infant resuscitation for the prevention of hypothermia. *Journal of Reproductive Medicine for the Obstetrician and Gynecologist* 2010; 55(12): 9-13
- 164.Carvalho G. Anjo D. Mendonca T. Vasconcelos C. Farinha F. Hemophagocytic syndrome as one of the main primary manifestations in acute systemic lupus erythematosus - Case report and literature review. *Lupus* 2010; 19(6): 756-761
- 165.Casa DJ. Stearns RL. Lopez RM. Ganio MS. McDermott BP. Walker Yeargin S. Yamamoto LM. Mazerolle SM. Roti MW. Armstrong LE. Maresh CM. Influence of hydration on physiological function and performance during trail running in the heat. *Journal of athletic training* 2010; 45(2): 147-156
- 166.Cassey JG. King RAR. Armstrong P. Is there thermal benefit from preoperative warming in children? *Paediatric Anaesthesia* 2010; 20(1): 63-71
- 167.Castle SM. Salas N. Leveille RJ. Initial experience utilizing microwave ablation therapy for renal tumor treatment: Intermediate follow-up. *Journal of Endourology* 2010; 24 SUPPL. 1 (A274-A275)

- 168.Castren M. Nordberg P. Svensson L. Taccone F. Vincent J.-L. Desruelles D. Eichwede F. Mols P. Schwab T. Vergnion M. Storm C. Pesenti A. Pacht J. Guerisse F. Elste T. Roessler M. Fritz H. Durnez P. Busch H.-J. Inderbitzen B. Barbut D. Intra-arrest transnasal evaporative cooling: A randomized, prehospital, multicenter study (PRINCE: Pre-ROSC IntraNasal cooling effectiveness) . *Circulation* 2010; 122(7): 729-736).
- 169.Castren M. Intra-arrest trans-nasal evaporative cooling: A randomized pre-hospital multicenter study: Prince (pre-ROSC intra nasal cooling effectiveness) *Circulation* 2010; 120(21): 2153
- 170.Celik T. Iyisoy A. Yuksel UC Celik M. Jata B Chill therapy in the patients with resuscitated cardiac arrest: A new weapon in the battle against anoxic brain injury . *International Journal of Cardiology* 2010; 138(3): 300-302.
- 171.Ceyhan AM Gurses I. Yildirim M. Akkaya VB A case of erythromelalgia: good response to treatment with gabapentin. *Journal of drugs in dermatology : JDD* 2010; 9(5): 565-567
- 172.Chakravorty S. Aladegbami B. Burday M. Levi M. Marras SAE. Shah D. El-Hajj HH Kramer FR Alland D. Rapid universal identification of bacterial pathogens from clinical cultures by using a novel sloppy molecular beacon melting temperature signature technique *Journal of Clinical Microbiology* 2010; 48(1): 258-267
- 173.Chandran GJ Chung B. Lalonde J. Lalonde DH The hyperthermic effect of a distal volar forearm nerve block: a possible treatment of acute digital frostbite injuries? *Plastic and reconstructive surgery* 2010; 126(3): 946-950
- 174.Chang Y.-M. Chiew Y.-W. Yang C.-S The case a woman with severe metabolic acidosis . *Kidney International* 2010; 77(3): 261-262
- 175.Chaput J.-P. A Good Night's Sleep for a Healthier Population *American Journal of Preventive Medicine* 2010; 38(3): 349
- 176.Chen H. Feng J. Kweon O. Xu H. Cerniglia CE Identification and molecular characterization of a novel flavin-free NADPH preferred azoreductase encoded by *azoB* in *Pigmentiphaga kullae* K24 *BMC Biochemistry* 2010; 11(1): Article Number: 13.
- 177.Chikura B. Moore T. Manning J. Vail A. Herrick AL Thumb involvement in Raynaud's phenomenon as an indicator of underlying connective tissue disease *Journal of Rheumatology* 2010; 37(4): 783-786
- 178.Cho C.-H. Sreenivasa G. Plotkin M. Pietsch H. Wust P. Lüdemann L. Tumour perfusion assessment during regional hyperthermia treatment: Comparison of temperature probe measurement with H(2)(15)O-PET perfusion *International Journal of Hyperthermia* 2010; 26(4): 404-411
- 179.Choi J. Review of biomaterial thermal property measurements in the cryogenic regime and their use for prediction of equilibrium and non-equilibrium freezing applications in cryobiology *Bischof JC Cryobiology* 2010; 60(1): 52-70
- 180.Chopra R. Burtnyk M. N'Djin WA Bronskill M MRI-controlled transurethral ultrasound therapy for localised prostate cancer . *International Journal of Hyperthermia* 2010; 26(8): 804-821
- 181.Chowdri NA Parray FQ Dar RA Malik AA Mushtaque M. Malik RA Tubercular mastitis - A rare presentation *International Journal of Surgery* 2010; 8(5): 398-400
- 182.Chudecka M. Lubkowska Temperature changes of selected body's surfaces of handball players in the course of training estimated by thermovision, and the study of the impact of physiological and morphological factors on the skin temperature A. *Journal of Thermal Biology* 2010; 35(8): 379-385
- 183.Chung SH Cerussi AE Merritt SI Ruth J. Tromberg BJ Non-invasive tissue temperature measurements based on quantitative diffuse optical spectroscopy (DOS) of water. *Physics in medicine and biology* 2010; 55(1)(3): 3753-3765
- 184.Cinquanta L. Albanese D. Cuccurullo G. Di Matteo M. Effect on orange juice of batch pasteurization in an improved pilot-scale microwave oven *Journal of Food Science* 2010; 75(1): (E46-E50)
- 185.Claridge JA Golob JF Leukhardt WH Sando MJ Fadlalla A. MA Peerless JR Yowler CJ The "fever workup" and respiratory culture practice in critically ill trauma patients *Journal of Critical Care* 2010; 25(3): 493-500
- 186.Clow A. Hucklebridge F. Thorn L. The cortisol awakening response in context . *International Review of Neurobiology* 2010; 93:C (153-175)
- 187.Coca A. Roberge RJ Williams WJ Landsittel DP Powell JB Palmiero A Physiological monitoring in firefighter ensembles: wearable plethysmographic sensor vest versus standard equipment. . *Journal of occupational and environmental hygiene* 2010; 7(2): 109-114
- 188.Cochrane DJ Stannard SR Firth EC Rittweger J Comparing muscle temperature during static and dynamic squatting with and without whole-body vibration . *Clinical Physiology and Functional Imaging* 2010; 30(4): 223-229
- 189.Cohee LMS. Crocetti MT Serwint JR Sabath B. Kapoor S. Ethnic differences in parental perceptions and management of childhood fever *Clinical Pediatrics* 2010; 49(3): 221-227
- 190.Coleman E. Doddakula K. Meeke R. Marshall C. Jahangir S. Hinchion J An atypical case of successful resuscitation of an accidental profound hypothermia patient, occurring in a temperate climate . *Perfusion* 2010; 25(2): 103-106
- 191.Colen RR Jolesz FA Future potential of MRI-guided focused ultrasound brain surgery *Neuroimaging Clinics of North America* 2010; 20(3): 355-366
- 192.Collins JD A woman post mastectomy and radiation therapy with chest pain *Journal of the National Medical Association* 2010; 102(6): 526-528
- 193.Conwell TD Hobbins WB Giordano Sensitivity, specificity and predictive value of infrared cold water autonomic functional stress testing as compared with modified IASP criteria for CRPS J. *Thermology International* 2010; 20(2): 60-68
- 194.Cooper ES Berry MP McMurray RG Hosick PA Hackney AC Core temperature influences on the relationship between exercise-induced leukocytosis and cortisol or TNF-(alpha) *Aviation Space and Environmental Medicine* 2010; 81(5): 460-466
- 195.Coskun KO Popov AF Schmitto JD Hinz J. Kriebel T. Schoendube FA Ruschewski W. Tirilomis T Extracorporeal circulation for rewarming in drowning and near-drowning pediatric patients . *Artificial Organs* 2010; 34(11): 1026-1030
- 196.Covaciu L. Rubertsson S. Ortiz-Nieto F. Ahlstrom H. Weis J. Human brain MR spectroscopy thermometry using metabolite aqueous-solution calibrations *Journal of Magnetic Resonance Imaging* 2010; 31(4): 807-814
- 197.Cutolo M. Ferrone C. Pizzorni C. Soldano S. Serio B. Sulli A Peripheral blood perfusion correlates with microvascular abnormalities in systemic sclerosis: A laser-Doppler and nailfold videocapillaroscopy study . *Journal of Rheumatology* 2010; 37(6): 1174-1180
198. Czupryniak A. Kaluzynska A. Poltorak-Krawczyk A. Ostrowski B. Wiecek B. Tkaczyk M. Cyclosporine A - Treated nephrotic children show impaired vasodilatation but no autonomic neuropathy *Archives of Medical Science* 2010; 6(4): 573-577
- 199.Dabbagh A. Shahzamani M. Foroughi M. Ghods K. Ghomeisi M. Rahimian H The role of nasopharyngeal temperature monitoring in detection of a malpositioned superior vena cava cannula in an emergency coronary artery bypass in a patient with ventricular septal defect . *Iranian Cardiovascular Research Journal* 2010; 4(1): 41-43
- 200.Dams SD de Liefde-van Beest M. Nuijs AM Oomens C. WJ Baaijens FPT Pulsed heat shocks enhance procollagen type I and procollagen type III expression in human dermal fibroblasts . *Skin Research and Technology* 2010; 16(3): 354-364
- 201.Dar NR Tabassum S. Rao SU Masood S. Abbas M. Mumtaz J Glucan fever with parenteral meglumine antimonate in patients of cutaneous leishmaniasis . *Journal of the College of Physicians and Surgeons Pakistan* 2010; 20(7): (496)
- 202.Darvin ME Haag SF Lademann J. Zastrow L. Sterry W. Meinke MC Formation of free radicals in human skin during irradiation with infrared light *Journal of Investigative Dermatology* 2010; 130(2): 629-631
- 203.Davie A. Amooore J Best practice in the measurement of body temperature. . *Nursing standard (Royal College of Nursing (Great Britain) : 1987)* 2010; 24(4)(2): 42-49

- 204.de Boode W.-P. Clinical monitoring of systemic hemody-
Epub ahead of print[in critically ill newborns Early Human De-
velopment 2010; 86(3): 137-141
- 205.de Bruijne M. van der Holt B. van Rhoon GC van der Zee J.
Evaluation of CEM43 degrees CT90 thermal dose in superficial
hyperthermia: a retrospective analysis Strahlentherapie und Onko-
logie 2010; 186(8): 436-443
- 206.Deakin CD Nolan JP Soar J. Sunde K. Koster RW Smith GB
Perkins GD European Resuscitation Council Guidelines for Re-
suscitation 2010 Section 4. Adult advanced life support Resusci-
tation 2010; 81(10):1305-1352
- 207.Dearing N. Norgard NB Rhabdomyolysis in a patient re-
ceiving high-dose simvastatin after the induction of therapeutic
hypothermia Annals of Pharmacotherapy 2010; 44(1)(2): 1994-1997
- 208.Deboer T. Skin temperature manipulation and sleep in rats
Journal of Sleep Research 2010; 19(Suppl. 2): 68
- 209.Demirhan A. Kaymaz M. AhIska R. Guler I A survey on ap-
plication of quantitative methods on analysis of brain param-
eters changing with temperature . Journal of Medical Systems
2010; 34(6): 1059-1071
- 210.Denoble AE Hall N. Pieper CF Kraus VB Patellar skin sur-
face temperature by thermography reflects knee osteoarthritis
severity Clinical Medicine Insights: Arthritis and Musculo-sk
letal Disorders 2010; 3 (69-75).
- 211.DeVita MA Smith GB Adam SK Adams-Pizarro I. Buist M.
Bellomo R. Bonello R. Cerchiari E. Farlow B. Goldsmith D.
Haskell H. Hillman K. Howell M. Hravnak M. Hunt EA
Hvarfner A. Kellett J. Lighthall GK Lippert A. Lippert FK
Mahroof R. Myers JS Rosen M. Reynolds S. Rotondi A.
Rubulotta F. Winters B. "Identifying the hospitalised patient in
crisis"-A consensus conference on the afferent limb of Rapid
Response Systems Resuscitation 2010; 81(4): 375-382
- 212.Dhaese HL Martens PR Muller NH Casier IM Mulier J.PJ
Heytens L. The use of emergency medical cooling system pads in
the treatment of malignant hyperthermia European Journal of
Anaesthesiology 2010; 27(1): 83-85
- 213.Dhamecha DL Rajendra VB Rathi AA Ghadlinge SV Saifee
M. Dehghan M.HG Physical approaches to penetration en-
hancement International Journal of Health Research 2010; 3(2):
57-70
- 214.Dhillon RK Stead LG Acute deep vein thrombus due to
May-Thurner syndrome American Journal of Emergency Medi-
cine 2010; 28(2): 254.e3-254.e4
- 215.Dhondt A. Eloot S. Verbeke F. Vanholder R Dialysate and
Blood Temperature During Hemodialysis: Comparing Isothermic
Dialysis With a Single-Pass Batch System . Artificial Organs
2010; 34(1)(2): 1132-1137
- 216.Dhorigol MG Dhulkhed VK Biyani A. Desai N. Random-
ized controlled, double-blind study to evaluate oral clonidine to
prevent post-subarachnoid block shivering in patients undergo-
ing elective urological surgery Journal of Anaesthesiology Clinical
Pharmacology 2010; 26(1): 15-18
- 217.Di Chiara L. Ricci Z. Garisto C. Morelli S. Giorni C. Vitale V.
Di Donato RM Picardo S. Initial experience with levosimendan
infusion for preoperative management of hypoplastic left heart
syndrome Pediatric Cardiology 2010; 31(1): 166-167
- 218.Di Leo R. Nolano M. Boman H. Pierangeli G. Provitera V.
Knappskog PM Cortelli P. Vita G. Rodolico C. Central and pe-
ripheral autonomic failure in cold-induced sweating syndrome
type 1 Neurology 2010; 75(1)(7): 1567-1569).
- 219.Diaz P. Garrido MD Banon The effects of packaging method
(vacuum pouch vs. plastic tray) on spoilage in a cook-chill
pork-based dish kept under refrigeration S. Meat Science 2010;
84(3): 538-544
- 220.Diggelmann KV Zytkevich AE Tuaine JM Bennett NC
Kelly LE Herst PM Mepilex Lite dressings for the management
of radiation-induced erythema: A systematic inpatient con-
trolled clinical trial British Journal of Radiology 2010; 83(9):95
(971-978
- 221.Dixon B. Mass gathering: Mass effect? The Lancet Infec-
tious Diseases 2010; 10(1):0 (662
222. Dokladny K. Lobb R. Wharton W. Ma T.Y. Moseley
LPS-induced cytokine levels are repressed by elevated expres-
sion of HSP70 in rats: Possible role of NF-(kappa)B PL Cell
Stress and Chaperones 2010; 15(2): 153-163
- 223.Dolle S. Hoser D. Rasche C. Loddenkemper C. Maurer M.
Zuberbier T. Worm M. Long-term reduction in local inflamma-
tion by a lipid raft molecule in atopic dermatitis Allergy: Euro-
pean Journal of Allergy and Clinical Immunology 2010; 65(9):
1158-1165
- 224.Donald AE Charakida M. Falaschetti E. Lawlor DA Halcox
JP Golding J. Hingorani AD Smith GD Deanfield JE. Determi-
nants of vascular phenotype in a large childhood population: The
avon longitudinal study of parents and children (ALSPAC) Eu-
ropean Heart Journal 2010; 31(1)(2): 1502-1510
- 225.Donoyama N. Ohkoshi N. Electroacupuncture therapy for
arthralgia and Raynaud's phenomenon in a patient with systemic
lupus erythematosus. Acupuncture in medicine : journal of the
British Medical Acupuncture Society 2010; 28(1): 49-51
- 226.Dougherty KA Chow M. Larry Kenney W. Critical environ-
mental limits for exercising heat-acclimated lean and obese boys
European Journal of Applied Physiology 2010; 108(4): 779-789
- 227.Drakopoulou M. Toutouzas K. Karanasos A. Synetos A.
Moldovan C. Grassos H. Siores E. Tsiamis E. Stefanadis C As-
sociation of the extent of early atheromatic lesions with thermal
heterogeneity assessed non-invasively by microwave radiometry.
An experimental study . European Heart Journal 2010; 31
SUPPL. 1 (502
- 228.DuCheyron D. Lucidarme O. Terzi N. Charbonneau P.
Blood volume- and blood temperature-controlled hemodialysis
in critically ill patients: A 6-month, case-matched, open-label
study Blood Purification 2010; 29(3): 245-251
- 229.Duggan J. Sinha VK What's hot and what's not: Pitfalls in in-
frared tympanic thermometry Anaesthesia 2010; 65(1):1042-1043
- 230.Dumans-Nizard V. Hamada S. Fischler M Bispectral index
during cardiopulmonary resuscitation: A poor indicator of re-
covery. Two very different cases . Anaesthesia 2010; 65(2):
196-198
- 231.Durocher J. Bynum J. Leon W. Barrera G. Winikoff B. High
fever following postpartum administration of sublingual miso-
prostol BJOG: An International Journal of Obstetrics and Gy-
naecology 2010; 117(7): (845-852
- 232.Dyke S. Hays GP Caglia AE Caglia M Severe acute local re-
actions to a hyaluronic acid-derived dermal filler van. Journal of
Clinical and Aesthetic Dermatology 2010; 3(5):
- 233.Ebrahimi S. Esfahani SA Ghafarian H. Khoshneviszade
M. Comparison of effect and side effects of acetaminophen and
ibuprofen in treatment of febrile children Iranian Journal of Pe-
diatrics 2010; 20(4): 500).
- 234.El Yazami H. Zeinoun T. Bou Saba S. Lamard L. Peremans
A. Limme M. Geerts S. Lamy M. Nammour S. Pulp temperature
increase during photo-activated disinfection (PAD) of peri-
odontal pockets: An in vitro study Lasers in Medical Science
2010; 25(5): 655-659
- 235.Eloot S. Dhondt A. Hoebe H. Vanholder R. Comparison
of different methods to assess fistula flow Blood Purification
2010; 30(2): 89-95
- 236.Erker L. Azuma H. Lee A.Y. Guo C. Orloff S. Eaton L.
Benedetti E. Jensen B. Finegold M. Willenbring H. Grompe M
Therapeutic liver reconstitution with murine cells isolated long
after death. Gastroenterology 2010; 139(3): 1019-1029
- 237.Etehadtavakol M. Sadri S. Ng E.YK Application of K- and
fuzzy c-means for color segmentation of thermal infrared breast
images Journal of Medical Systems 2010; 34(1): 35-42
- 238.Farage MA Maibach HI Sensitive skin: Closing in on a phys-
iological cause Contact Dermatitis 2010; 62(3): 137-149
- 239.Farrell MJ Johnson J. McAllen R. Zamarripa F. Denton DA
Fox PT Egan GF Brain activation associated with ratings of the
hedonic component of thermal sensation during whole-body
warming and cooling Journal of Thermal Biology 2010;
- 240.Fechir M. Klega A. Buchholz HG Pfeifer N. Balon S.
Schlereth T. Geber C. Breimhorst M. Maihofner C. Birklein F.
Schreckenberger M. Cortical control of thermoregulatory sym-
pathetic activation European Journal of Neuroscience 2010;
31(1):1 (2101-2111

241. Fedorow C. Grocott HP Cerebral monitoring to optimize outcomes after cardiac surgery *Current Opinion in Anaesthesiology* 2010; 23(1): 89-94
242. Feillet C. Albrecht U. Clocks, brain function, and dysfunction *Protein Reviews* 2010; 12:229-282
243. Felten MK Knoll L. Eisenhawer C. Ackermann D. Khatab K. Hudepohl J. Zschiesche W. Kraus T Retrospective exposure assessment to airborne asbestos among power industry workers. *Journal of Occupational Medicine and Toxicology* 2010; 5(1): Article Number: 15.
244. Ferguson M. Yu MW Heath A. Calibration of the second International Standard for hepatitis B immunoglobulin in an international collaborative study *Vox Sanguinis* 2010; 99(1): 77-84
245. Fiala D. Psikuta A. Jendritzky G. Paulke S. Nelson DA Lichtenbelt WD Frijns AJ Physiological modeling for technical, clinical and research applications. *Frontiers in bioscience (Scholar edition)* 2010; 2: 939-968
246. Fish DJ Brewood GP Kim JS Garbett NC Chaires JB Benight AS Statistical analysis of plasma thermograms measured by differential scanning calorimetry *Biophysical Chemistry* 2010; 152(1):3 (184-190)
247. Fletcher IM Monte-Colombo MM An investigation into the possible physiological mechanisms associated with changes in performance related to acute responses to different preactivity stretch modalities. *Applied physiology, nutrition, and metabolism = Physiologie appliquee, nutrition et metabolisme* 2010; 35(1): 27-34
248. Fletcher IM The effect of different dynamic stretch velocities on jump performance *European Journal of Applied Physiology* 2010; 109(3): 491-498
249. Fletcher IM The effects of precompetition massage on the kinematic parameters of 20-m sprint performance. *Journal of strength and conditioning research / National Strength & Conditioning Association* 2010; 24(5): 1179-1183
250. Flouris AD Cheung SS The validity of tympanic and exhaled breath temperatures for core temperature measurement *Physiological Measurement* 2010; 31(5): (N35-N42).
251. Flouris AD Cheung SS Thermometry and calorimetry assessment of sweat response during exercise in the heat *European Journal of Applied Physiology* 2010; 108(5): 905-911
252. Foulner D Radiofrequency ablation of a spinal osteoid osteoma: Low heat-load technique. *Journal of Vascular and Interventional Radiology* 2010; 21(1):0 (1596-1598)
253. Frahm KS Andersen OK Arendt-Nielsen L. Mørch CD Offset analgesia evoked by non-contact thermal stimulator *Scandinavian Journal of Pain* 2010; 1(3): 169-170
254. Franco W. Kothare A. Ronan SJ Grekin RC McCalmont TH Hyperthermic injury to adipocyte cells by selective heating of subcutaneous fat with a novel radiofrequency device: Feasibility studies *Lasers in Surgery and Medicine* 2010; 42(5): 361-370
255. Frank DL Khorshid L. Kiffer JF Moravec CS McKee MG. Mental Biofeedback in medicine: Who, when, why and how? *Health in Family Medicine* 2010; 7(2): 85-91
256. Freedman RR Objective or subjective measurement of hot flashes in clinical trials: Quo vadis Maturitas 2010; 67(2): 99-100
257. Fretzayas A. Moustaki M. Alexopoulou E. Nicolaidou P. Differential diagnosis of renal mass: Question *Pediatric Nephrology* 2010; 25(3): 441-442+443-444
258. Friberg L The value of thermography windows. *Occupational health & safety (Waco, Tex.)* 2010; 79(1):32, 36
259. Fugita OE Editorial Comment *Urology* 2010; 75(2): 486-487
260. Fujimori M. Hisata K. Nagata S. Matsunaga N. Komatsu M. Shoji H. Sato H. Yamashiro Y. Asahara T. Nomoto K. Shimizu T. Efficacy of bacterial ribosomal RNA-targeted reverse transcription-quantitative PCR for detecting neonatal sepsis: A case control study *BMC Pediatrics* 2010; 10 Article Number: 53.
261. Fujita F. Azuma T. Tajiri M. Okamoto H. Sano M. Tominaga M Significance of hair-dye base-induced sensory irritation. *International Journal of Cosmetic Science* 2010; 32(3): 217-224
262. Fujita K. Yamamoto T. Kamezaki T. Matsumura A. Efficacy of keishibukuryogan, a traditional Japanese herbal medicine, in treating cold sensation and numbness after stroke: Clinical improvement and skin temperature normalization in 22 stroke patients *Neurologia Medico-Chirurgica* 2010; 50(1): 1-5
263. Furnkranz A. Chun K.RJ Nuyens D. Metzner A. Koster I. Schmidt B. Ouyang F. Kuck K.-H Characterization of conduction recovery after pulmonary vein isolation using the "single big cryoballoon" technique. *Heart Rhythm* 2010; 7(2): 184-190
264. Gabrhel J. Popracova Z. Tauchmannova H. Chvojka Z. Thermographic findings in the lower back: Can they be explained by a reflex mechanism? *Thermology International* 2010; 20(1): 28-35
265. Galeazzi M. Ficili S. Dottori S. Elia MA Pasceri V. Venditti F. Russo M. Lavalle C. Pandozi A. Pandozi C. Santini M Pain perception during esophageal warming due to radiofrequency catheter ablation in the left atrium. *Journal of Interventional Cardiac Electrophysiology* 2010; 27(2): 109-115
266. Galletto-Lacour A. Gervais A. Identifying severe bacterial infection in children with fever without source *Expert Review of Anti-Infective Therapy* 2010; 8(1):1 (1231-1237)
267. Galie J. Jones LA Thermal cues and the perception of force *Experimental Brain Research* 2010; 200(1): 81-90
268. Galloway R. Sherren PB Therapeutic hypothermia following out-of-hospital cardiac arrest; does it start in the emergency department? *Emergency Medicine Journal* 2010; 27(1)(2): 948-949
269. Gan Y. Cheng L. Ding X. Pan N. Blood flow fluctuation underneath human forearm skin caused by local thermal stimuli of different fabrics *Journal of Thermal Biology* 2010; 35(7): 372-377
270. Gangopadhyay S. Gupta K. Acharjee S. Nayak SK Dawn S. Piplai G. Ketamine, tramadol and pethidine in prophylaxis of shivering during spinal anaesthesia *Journal of Anaesthesiology Clinical Pharmacology* 2010; 26(1): 59-63
271. Ganjoo P. Sethi S. Tandon MS Singh D. Pandey BC Perioperative complications of intraventricular neuroendoscopy: a 7-year experience. *Turkish neurosurgery* 2010; 20(1): 33-38
272. Gerber WD Petermann F. Gerber-von Muller G. Dollwet M. Darabaneanu S. Niederberger U. Schulte IE Stephani U. Andrasik F MIPAS-Family-evaluation of a new multi-modal behavioral training program for pediatric headaches: clinical effects and the impact on quality of life. *The journal of headache and pain* 2010; 11(3): 215-225
273. Gianotti M. Corti C. Fratte SD Di Fabio R. Leslie CP Pavone F. Piccoli L. Stasi L. Wigglesworth MJ Novel imidazobenzazepine derivatives as dual H(1)/5-HT (2A) antagonists for the treatment of sleep disorders *Bioorganic and Medicinal Chemistry Letters* 2010; 20(1)(7): 5069-5073
274. Gillman PK Neuroleptic malignant syndrome: Mechanisms, interactions, and causality *Movement Disorders* 2010; 25(1)(2): 1780-1790.
275. Gingo M. Risbano MG Russ PD Chan ED Not your otitis media 101 *American Journal of Medicine* 2010; 123(8): e9-e11
276. Glaudemans A.WJM. Slart RHJA Bozzao A. Bonanno E. Arca M. Dierckx RAJO Signore A. Molecular imaging in atherosclerosis *European Journal of Nuclear Medicine and Molecular Imaging* 2010; 37(1)(2): (2381-2397)
277. Gogenur I. Postoperative circadian disturbances *Danish Medical Bulletin* 2010; 57(1)(2):
278. Gold JE Cherniack M. Hanlon A. Soller B Skin temperature and muscle blood volume changes in the hand after typing. *International Journal of Industrial Ergonomics* 2010; 40(2): 161-164
279. Golz T. Graham CR Busch LC Wulf J. Winder RJ Temperature elevation during simulated polymethylmethacrylate (PMMA) cranioplasty in a cadaver model *Journal of Clinical Neuroscience* 2010; 17(5): 617-622
280. Gonzalez RR Halford C. Keach EM Environmental and physiological simulation of heat stroke: A case study analysis and validation *Journal of Thermal Biology* 2010; 35(8): 441-449
281. Gopalakrishnan CV Suparna B. Arun V. A rare case of malignant hyperthermia in the Indian subcontinent *Anaesthesia* 2010; 65(1):1 (1141-1152)
282. Gorden GG Gallup AC Excessive yawning and thermoregulation: Two case histories of chronic, debilitating bouts of yawning *Sleep and Breathing* 2010; 14(2): 157-159

283. Gordon CJ. Response of the thermoregulatory system to toxic insults. *Frontiers in bioscience (Elite edition)* 2010; 2: 293-311
284. Gorny KR, Bernstein MA, Watson Jr. R.E. 3 Tesla MRI of patients with a vagus nerve stimulator: Initial experience using a T/R head coil under controlled conditions. *Journal of Magnetic Resonance Imaging* 2010; 31(2): 475-481
285. Gosau M, Muller BW. Release of gentamicin sulphate from biodegradable PLGA-implants produced by hot melt extrusion. *Pharmazie* 2010; 65(7): 487-492
286. Gozdemir M, Usta B, Demircioglu RI, Muslu B, Sert H, Karatas OF. Magnesium sulfate infusion prevents shivering during transurethral prostatectomy with spinal anesthesia: a randomized, double-blinded, controlled study. *Journal of Clinical Anesthesia* 2010; 22(3): 184-189
287. Grable B, Sakai T. Isolated left-sided pulmonary edema caused by alemtuzumab (Campath®) during kidney transplantation. *Transplant International* 2010; 23(8): 851-854
288. Greiner JG, Clegg ME, Walsh ML, White MD. No effect of skin temperature on human ventilation response to hypercapnia during light exercise with a normothermic core temperature. *European Journal of Applied Physiology* 2010; 109(1): 109-115
289. Grossi G, Mariotti A, Di Donato L, Amerio P, Tulli A, Romani GL, Merla F. Functional infrared imaging of paroxysmal ischemic events in patients with Raynaud's phenomenon. *International Journal of Immunopathology and Pharmacology* 2010; 23(2): (627-632)
290. Guan L, Shi X, Zou Y, Deng XF, Cai PS. Effect on body surface thermograph in patients with myofascial pain syndrome treated with moxibustion on Yanglingquan (GB 34). *Zhongguo zhen jiu = Chinese acupuncture & moxibustion* 2010; 30(6): 485-489
291. Guluma KZ, Liu L, Hemmen TM, Acharya AB, Rapp KS, Raman R, Lyden PD. Therapeutic hypothermia is associated with a decrease in urine output in acute stroke patients. *Resuscitation* 2010; 81(1)(2): 1642-1647
292. Guly H. History of accidental hypothermia. *Resuscitation* 2010;
293. Hall NJ, Eaton S, Peters MJ, Hiorns MP, Alexander N, Azzopardi DV, Pierro A. Mild controlled hypothermia in pre-term neonates with advanced necrotizing enterocolitis. *Pediatrics* 2010; 125(2): (e300-e308)
294. Halm U, Gaspar T, Zachaus M, Sack S, Arya A, Piorkowski C, Knigge I, Hindricks G, Husser D. Thermal esophageal lesions after radiofrequency catheter ablation of left atrial arrhythmias. *American Journal of Gastroenterology* 2010; 105(3): 551-556.
295. Hamill RJ, Sobel JD, El-Sadr W, Johnson PC, Graybill JR, Javaly K, Barker DE. Comparison of 2 doses of liposomal amphotericin b and conventional amphotericin B deoxycholate for treatment of AIDS-associated acute cryptococcal meningitis: A randomized, double-blind clinical trial of efficacy and safety. *Clinical Infectious Diseases* 2010; 51(2): 225-232.
296. Hammam A, Alrajeh M, Albabtain M, Bahammam S, Sharif M. Circadian pattern of sleep, energy expenditure, and body temperature of young healthy men during the intermittent fasting of Ramadan. *Appetite* 2010; 54(2): 426-429
297. Hasan R, Adhi M, Mahmood SF, Noman F, Awan S, Akhtar F, Naqvi A, Rizvi A, UH. Range for normal body temperature in hemodialysis patients and its comparison with that of healthy individuals. *Nephron - Clinical Practice* 2010; 114(4): (c303-c308)
298. Hashiguchi N, Feng Y, Tochihiro Y. Gender differences in thermal comfort and mental performance at different vertical air temperatures. *European Journal of Applied Physiology* 2010; 109(1): 41-48
299. Hashim IA. Clinical biochemistry of hyperthermia. *Annals of Clinical Biochemistry* 2010; 47(6): 516-523
300. Hashizume M, Faruque AS, Wagatsuma Y, Hayashi T, Armstrong B. Cholera in Bangladesh: Climatic components of seasonal variation. *Epidemiology* 2010; 21(5): 706-710
301. Haugk M, Stratil P, Sterz F, Krizanac D, Testori C, Uray T, Koller J, Behringer W, Holzer M, Herkner H. Temperature monitored on the cuff surface of an endotracheal tube reflects body temperature. *Critical Care Medicine* 2010; 38(7): 1569-1573
302. Hausfater P, Megarbane B, Dautheville S, Patzak A, Andronikof M, Santin A, Andre S, Korchia L, Terbaoui N, Kierzek G, Doumenc B, Leroy C, Riou B. Prognostic factors in non-exertional heatstroke. *Intensive care medicine* 2010; 36(2): 272-280
303. Hayes LD, Bickerstaff GF, Baker JS. Interactions of cortisol, testosterone, and resistance training: Influence of circadian rhythms. *Chronobiology International* 2010; 27(4): 675-705
304. Heishman SJ, Lee DC, Taylor RC, Singleton EG. Prolonged duration of craving, mood, and autonomic responses elicited by cues and imagery in smokers: Effects of tobacco deprivation and sex. *Experimental and Clinical Psychopharmacology* 2010; 18(3): 245-256
305. Herrera E, Sandoval MC, Camargo DM, Salvini TF. Motor and sensory nerve conduction are affected differently by ice pack, ice massage, and cold water immersion. *Physical therapy* 2010; 90(4): 581-591
306. Herzog E, Shapiro J, Aziz EF, Chong J, Hong MK, Wiener D, Lee R, Janis G, Azrieli Y, Velazquez B, Ladao L, Mittal S. Pathway for the management of survivors of out-of-hospital cardiac arrest. *Critical Pathways in Cardiology* 2010; 9(2): 49-54
307. Hida A, Mishima K. Evaluation of individual's circadian rhythms at physiological and molecular levels. *Neuroscience Research* 2010; 68 SUPPL. 1 (e14)
308. Hiratzka LF, Bakris GL, Beckman JA, Bersin RM, Carr VF, Casey DE, Eagle KA, Hermann LK, Isselbacher EM, Kazerooni EA, Kouchoukos NT, Lytle BW, Milewicz DM, Reich DL, Sen S, Shinn JA, Svensson LG, Williams DM, Jacobs AK, Smith SC, Anderson JL, Adams CD, Buller CE, Creager MA, Ettinger SM, Guyton RA, Halperin JL, Hunt SA, Krumholz HM, Kushner FG, Nishimura R, Page RL, Riegel B, Stevenson WG, Tarkington LG, Yancy CW. 2010 ACCF/AHA/AATS/ACR/ASA/SCA/SCAI/SIR/STS/SVM guidelines for the diagnosis and management of patients with thoracic aortic disease: Executive summary: A report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines, American Association for Thoracic Surgery, American College of Radiology, American Stroke Association. *Circulation* 2010; 121(1)(3): (e266-e369)
309. Hofer N, Müller W, Resch B. Systemic inflammatory response syndrome (SIRS) definition and correlation with early-onset bacterial infection of the newborn. *Archives of Disease in Childhood: Fetal and Neonatal Edition* 2010; 95(2): (F151)
310. Hohwy J, Paton B. Explaining away the body: experiences of supernaturally caused touch and touch on non-hand objects within the rubber hand illusion. *PloS one* 2010; 5(2): e9416
311. Holzer M. Targeted temperature management for comatose survivors of cardiac arrest. *New England Journal of Medicine* 2010; 363(1)(3): 1256-1264
312. Hong JH, Kim AR, Lee M.Y., Kim YC, Oh MJ. A prospective evaluation of psoas muscle and intravascular injection in lumbar sympathetic ganglion block. *Anesthesia and analgesia* 2010; 111(3): 802-807
313. Hongratanaworakit T. Stimulating effect of aromatherapy massage with Jasmine oil. *Natural Product Communications* 2010; 5(1): 157-162.
314. Horn AR, Harrison M.C., Linley LL. Evaluating a simple method of neuroprotective hypothermia for newborn infants. *Journal of Tropical Pediatrics* 2010; 56(3): 172-177
315. Hosick PA, Berry MP, McMurray RG, Cooper ES, Hackney AC. Relationship between change in core temperature and change in cortisol and TNF(alpha) during exercise. *Journal of Thermal Biology* 2010; 35(7): 348-353
316. Hosseini SN, Mousavinasab SN, Rahmanpour H, Sotodeh S. Comparing early oral feeding with traditional oral feeding in upper gastrointestinal surgery. *Turkish Journal of Gastroenterology* 2010; 21(2): 119-124
317. Hostler D, Reis SE, Bednez JC, Kerin S, Suyama J. Comparison of active cooling devices with passive cooling for rehabilitation of firefighters performing exercise in thermal protective clothing: a report from the Fireground Rehab Evaluation (FIRE) trial. *Prehospital emergency care* 2010; 14(3): 300-309
318. Hostler D, Bednez JC, Kerin S, Reis SE, Kong PW, Morley J, Gallagher M, Suyama J. Comparison of rehydration regimens for rehabilitation of firefighters performing heavy exercise in ther-

- mal protective clothing: a report from the fireground rehab evaluation (FIRE) trial. *Prehospital emergency care* : 2010; 14(2): 194-201
- 319.Hostler D. Zhou J. Tortorici MA Bies RR Rittenberger JC Empey PE Kochanek PM Callaway CW Poloyac Mild hypothermia alters midazolam pharmacokinetics in normal healthy volunteers SM *Drug Metabolism and Disposition* 2010; 38(5): 781-788
- 320.House J. Mooradian A. Evaluation and management of shoulder pain in primary care clinics *Southern Medical Journal* 2010; 103(1):1 (1129-1135
- 321.Hranjec T. Swenson BR Sawyer RG Surgical site infection prevention: How we do it *Surgical Infections* 2010; 11(3): 289-294).
- 322.Huang X, Xing J, Wang X, Lu P, Chen W. Formulation optimization of gel matrix of *Saussurea involucre* by orthogonal design. *Zhongguo Zhongyao Zazhi* 2010; 35(14) 1803-1805.
- 323.Hubert TL Lindemann R. Wu J. Agnew C. Shaffer TH Wolfson MR Prototype hybrid systems for neonatal warming: In vitro comparisons to standard of care devices *Biomedical Instrumentation and Technology* 2010; 44(6): 523-527
- 324.Huh BK Park C.-H. Ranson M. Campbell GL Ravanbakht J. Thermogram in spinal cord stimulation with complex regional pain syndrome and a review of the literature *Neuromodulation* 2010; 13(2): 114-116
- 325.Hulshof MCCM Van Haaren P.MA Zum vorde Sive vording PJ Krishnadath S. Marsman WA Van Berge Henegouwen MI Geijssen ED Crezee J Radiotherapy combined with hyperthermia for primary malignant melanomas of the esophagus. *Diseases of the Esophagus* 2010; 23(8): E42-E47
- 326.Hynynen K. Hyperthermia classic commentary: 'A scanned, focused, multiple transducer ultrasonic system for localised hyperthermia treatments', by K. Hynynen, R. Roemer, D. Anhalt, et al., *International Journal of Hyperthermia* 1987; 3(2):135 *International Journal of Hyperthermia* 2010; 26(1): 12-15
- 327.Ibrahim SA Li SK Chemical enhancer solubility in human stratum corneum lipids and enhancer mechanism of action on stratum corneum lipid domain *International Journal of Pharmaceutics* 2010; 383(1-2) 89-98.
- 328.Ishibashi K. Arikura S. Kozaki T. Higuchi S. Yasukouchi A. Thermoregulatory effect in humans of suppressed endogenous melatonin by pre-sleep bright-light exposure in a cold environment *Chronobiology International* 2010; 27(4): 782-806
- 329.Ishigatsubo Y. Ihata A. Kobayashi H. Hama M. Kirino Y. Ueda A. Takeno M. Shirai A. Ohno S. Therapeutic angiogenesis in patients with systemic sclerosis by autologous transplantation of bone-marrow-derived cells.*Modern rheumatology* 2010; 20(3): 263-272
- 330.Jaipur. Mukhopadhyay P. Srivastava S. Evaluating ergonomic risk factors in non-regulated stone carving units of Work (Reading, Mass.) 2010; 35(1): 87-99
- 331.Jamnadas-Khoda B. See MS Cubison CTC Dheansa BS How would you like your tea, vicar? *Burns* 2010; 6(3): 356-359
- 332.Jan Y.-M. Li T.-C. Hsieh C.-L A Segmental effect involved in the changes of skin blood flow induced by acupuncture in normal health human. *American Journal of Chinese Medicine* 2010; 38(3): 441-448
- 333.Jang HJ Lee J.-Y. Lee D.-H. Kim W.-H. Hwang JH Current and future clinical applications of High-Intensity Focused Ultrasound (HIFU) for pancreatic cancer *Gut and Liver* 2010; 4:SUPPL. 1 (S57-S61
- 334.Jauch EC Cucchiara B. Adeoye O. Meurer W. Brice J. Chan Y.-F. Gentile N. Hazinski MF Part 11: Adult stroke: 2010 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care *Circulation* 2010; 122 (Suppl. 3): S818-S828).
- 335.Jay O. DuCharme MB Webb P. Reardon FD Kenny GP Estimating changes in volume-weighted mean body temperature using thermometry with an individualized correction factor *American Journal of Physiology - Regulatory Integrative and Comparative Physiology* 2010; 299(2): (R387-R394
- 336.Jazayeri Shoohtari SM Abolahrari S. Sedaghat P. Taghizadeh SH Ghaem H. Moghtaderi AR Which parameter is more reliable in a cold hand, NCV or latency *Electromyography and Clinical Neurophysiology* 2010; 50(5): 235-238
- 337.Jedrusik-Pawlowska M. Niedzielska I. Bogucki R. Kajewski B. Effectiveness of hyperbaric oxygen therapy in mandibular osteoradionecrosis shown by thermography monitoring *Medical Science Monitor* 2010; 16(2): (MT1-8
- 338.Jewell M. Commentary *Aesthetic Surgery Journal* 2010; 30(2): 246-248
- 339.Johnson EC Ganio MS Lee EC Lopez RM McDermott BP Casa DJ Maresh CM Armstrong LE Perceptual responses while wearing an American football uniform in the heat. *Journal of athletic training* 2010; 45(2): 107-116
- 340.Johnson MW Strain EC Griffiths RR Effects of oral caffeine pretreatment on response to intravenous nicotine and cocaine *Experimental and Clinical Psychopharmacology* 2010; 18(4): 305-315
- 341.Jombo GT Mbaawuaga EM Anongu ST Egah DZ Enenebeaku MN Okwori EE Ejezie CG Bassey I. Odey F. Africa's 9th malaria day celebration in 2009 and its bearing on most vulnerable groups *Asian Pacific Journal of Tropical Medicine* 2010; 3(4): 294-297
- 342.Jonsson F. Bruno I. Marc D. Pierre B. IgG immune complexes can induce local and systemic anaphylaxis via human Fc(gamma)RIIA Allergy: *European Journal of Allergy and Clinical Immunology* 2010; 65 SUPPL. 92 (498-499
- 343.Joshi B. Brady K. Lee J. Easley B. Panigrahi R. Smielewski P. Czosnyka M. Hogue Jr. CW Impaired autoregulation of cerebral blood flow during rewarming from hypothermic cardio-pulmonary bypass and its potential association with stroke *Anesthesia and Analgesia* 2010; 110(2): 321-328
- 344.Jowsey P. Perry J Sympathetic nervous system effects in the hands following a grade III postero-anterior rotatory mobilisation technique applied to T4: A randomised, placebo-controlled trial. *Manual Therapy* 2010; 15(3): 248-253
- 345.Ju J.-H. Park S.-H. Clinical images: Visualization of overcompensated rebound temperature against ice-water cold challenge *Arthritis and Rheumatism* 2010; 62(4): 1185
- 346.Juchem C. Nixon TW McIntyre S. Rothman DL De Graaf RA Magnetic field homogenization of the human prefrontal cortex with a set of localized electrical coils *Resonance in Medicine* 2010; 63(1): 171-180
- 347.Jung CM Chaker Z. Wright KP Circadian variation of energy expenditure in humans *Sleep* 2010; 33 SUPPL. 1 (A66
- 348.Kairinos N. Hayes PM Nicol AJ Kahn D. Avoiding futile damage control laparotomy *Injury* 2010; 41(1): 64-68
- 349.Kakinuma Y. Furihata M. Akiyama T. Arikawa M. Handa T. Katare RG Sato T. Donepezil, an acetylcholinesterase inhibitor against Alzheimer's dementia, promotes angiogenesis in an ischemic hindlimb model *Journal of Molecular and Cellular Cardiology* 2010; 48(4): 680-693
- 350.Kallet RH Jasmer RM Pittet J.-F. Alveolar dead-space response to activated protein c in acute respiratory distress syndrome *Respiratory Care* 2010; 55(5): 617-622
- 351.Kanai A. Wang G. Hoshi K. Okamoto H. Effects of intravenous prostaglandin E1 on pain and body temperature in patients with post-herpetic neuralgia *Pain Medicine* 2010; 11(4): 609-616
- 352.Kanezaki A. Hirata A. Watanabe S. Shirai H. Parameter variation effects on temperature elevation in a steady-state, one-dimensional thermal model for millimeter wave exposure of one- and three-layer human tissue. *Physics in medicine and biology* 2010; 55(1)(6): 4647-4659
- 353.Kang E-H, Song Y-J, Kim K-J, Shim H-B, Park J-E, Yu B-H. Sympathetic nervous function and the effect of the catechol-O-methyltransferase Val(158)Met polymorphism in patients with panic disorder. *Journal of Affective Disorders* 2010; 123(1):3 (337-340
- 354.Kanosue K. Crawshaw LI Nagashima K. Yoda T Concepts to utilize in describing thermoregulation and neurophysiological evidence for how the system works. *European Journal of Applied Physiology* 2010; 109(1): 5-11

- 355.Karbasi SA Modares-Mosadegh M. Golestan M.Comparison of antipyretic effectiveness of equal doses of rectal and oral acetaminophen in children *Jornal de Pediatria* 2010; 86(3): 228-232
- 356.Karsen H. Demir C. Karahocagil MK Sunnetcioglu M. Akdeniz H. Herpes simplex encephalitis *Eastern Journal of Medicine* 2010; 15(1): 34-39
- 357.Kashuk JL Moore EE Sawyer M. Wohlaue M. Pezold M. Barnett C. Biffl WL Burlew CC Johnson JL Sauaia A Primary fibrinolysis is integral in the pathogenesis of the acute coagulopathy of Trauma . *Annals of Surgery* 2010; 252(3): 434-442
- 358.Kattwinkel J. Perlman JM Aziz K. Colby C. Fairchild K. Gallagher J. Hazinski MF Halamek LP Kumar P. Little G. McGowan JE Nightengale B. Ramirez MM Ringer S. Simon WM Weiner GM Wyckoff M. Zaichkin J.Part 15: Neonatal resuscitation: 2010 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care *Circulation* 2010; 122(Suppl. 3): S909-S919.
- 359.Kaushal N. Gozal D. Ramesh V Concomitant exposures to acute intermittent hypoxia and sleep fragmentation increase sleep propensity and hypothermia in human apolipoprotein E4 transgenic mice . *Sleep* 2010; 33 SUPPL. 1 (A88-A89)
- 360.Kazani S. Israel E. Exhaled breath condensates in asthma: Diagnostic and therapeutic implications *Journal of Breath Research* 2010; 4(4): Article Number: 47001
- 361.Keller DM Sander M. Stallknecht B. Crandall CG (alpha)-Adrenergic vasoconstrictor responsiveness is preserved in the heated human leg *Journal of Physiology* 2010; 588(1)(9): 3799-3808
- 362.Kelly BP Gajarski RJ Ohye RG Charpie JR Intravenous induction of therapeutic hypothermia in the management of junctional ectopic tachycardia: A pilot study *Pediatric Cardiology* 2010; 31(1): 11-17
- 363.Kendall GS Kapetanakis A. Ratnavel N. Azzopardi D. Robertson NJ Passive cooling for initiation of therapeutic hypothermia in neonatal encephalopathy *Archives of Disease in Childhood: Fetal and Neonatal Edition* 2010; 95(6): (F408-F412)
- 364.Kenny GP Gagnon D. Is there evidence for nonthermal modulation of whole body heat loss during intermittent exercise? *American Journal of Physiology - Regulatory Integrative and Comparative Physiology* 2010; 299(1): (R119-R128)
- 365.Keramidas ME Musizza B. Kounalakis SN Mekjavic IB Enhancement of the finger cold-induced vasodilation response with exercise training *European Journal of Applied Physiology* 2010; 109(1): 133-140)
- 366.Kern DG Utility of a provocation test for diagnosis of chronic pigeon breeder's disease *American Journal of Respiratory and Critical Care Medicine* 2010; 182(8): 1086).
- 367.Kettaneh A. Fardet L. Mario N. Retbi A. Taright N. Tiev K. Reinhard I. Guidet B. Cabane J. The 2003 heat wave in France: Hydration status changes in older inpatients *European Journal of Epidemiology* 2010; 25(7): 517-524
- 368.Khan SA Aurangzeb M. Zarin M. Khurshid M Temperature monitoring and perioperative heat loss . *Journal of Postgraduate Medical Institute* 2010; 24(2): 85-90
- 369.Khan Z. Yousri T. Chakrabarti D. Awasthi R. Ashok N. Primary synovial osteochondromatosis of the first metatarsophalangeal joint, literature review of a rare presentation and a case report *Foot and Ankle Surgery* 2010; 16(2): 1-3
- 370.Kickhefel A. Roland J. Weiss C. Schick F.Accuracy of real-time MR temperature mapping in the brain: A comparison of fast sequences *Physica Medica* 2010; 26(4): 192-201
- 371.Kiekkas P. Velissaris D. Karanikolas M. Aretha D. Samios A. Skartsani C. Baltopoulos GI Filos KS Peak body temperature predicts mortality in critically ill patients without cerebral damage *Heart and Lung: Journal of Acute and Critical Care* 2010; 39(3): 208-216
- 372.Kijvikai K. Viprasak D. Milhoua P. Clark PE Herrell SD A simple, effective method to create laparoscopic renal protective hypothermia with cold saline surface irrigation: Clinical application and assessment *Journal of Urology* 2010; 184(5): 1861-1866
- 373.Kikuchi S. Saito K. Takahashi M. Ito K. Temperature elevation in the fetus from electromagnetic exposure during magnetic resonance imaging. *Physics in medicine and biology* 2010; 55(8): 2411-2426
- 374.Kim DE LaBat K. Design process for developing a liquid cooling garment hood. *Ergonomics* 2010; 53(6): 818-828
- 375.Kim H.-J. Kim J.-Y. Baek S.-H. Kim H.-K. Intravascular ultrasound catheter for transesophageal echocardiography in congenital heart surgery - A case report. *Korean Journal of Anesthesiology* 2010; 58(5): 480-484
- 376.Kim MS Kim DW Woo S.-H. Yon JH Lee S Effect of ramosetron on shivering during spinal anesthesia . *Korean Journal of Anesthesiology* 2010; 58(3): 256-259
- 377.Kim S.-H. Yoon T.-G. Kim T.-Y. Kim H.-K. Sung W.-S Cerebral oximetry monitoring during aortic arch aneurysm replacement surgery in Jehovah's Witness patient -A case report . *Korean Journal of Anesthesiology* 2010; 58(2): 191-196
- 378.Kimber S. DeBank C. Garland R. Williams N.Non-invasive imaging technologies to monitor bacterial skin infection in rodent models *Clinical Microbiology and Infection* 2010; 16 SUPPL. 2 (S456-S457)
- 379.Kingma B.RM Frijns A.JH Saris WHM. Van Steenhoven AA Van Marken Lichtenbelt WD Cold-induced vasoconstriction at forearm and hand skin sites: The effect of age *European Journal of Applied Physiology* 2010; 109(5): 915-921
- 380.Klatt D. Friedrich C. Korth Y. Vogt R. Braun J. Sack I Viscoelastic properties of liver measured by oscillatory rheometry and multifrequency magnetic resonance elastography . *Biorheology* 2010; 47(2): 133-141
- 381.Klein M. DeWitt TG Reliability of parent-measured axillary temperatures *Clinical Pediatrics* 2010; 49(3): 271-273
- 382.Klewer J. Sterz F. Zeiner A Reply to Letter: "Determining core body temperature via heat flux-A new promising approach" . *Resuscitation* 2010; 81(1):1 (1589)
- 383.Koch BCP. Van Der Putten K. Van Someren EJW. Wielders J.PM Ter Wee PM Nagtegaal JE Gaillard CAJM Impairment of endogenous melatonin rhythm is related to the degree of chronic kidney disease (CREAM study) *Nephrology Dialysis Transplantation* 2010; 25(2): 513-519
384. Kochar DK Gupta V. Kochar A. Acharya J. Middha S. Sirohi P. Kochar SK Comparison of quinine and rabepazole with quinine monotherapy in the treatment of uncomplicated falciparum malaria *Journal of Vector Borne Diseases* 2010; 47(3): 140-144
- 385.Koczulla AR Noeske S. Herr C. Dette F. Pinkenburg O. Schmid S. Jorres RA Vogelmeier C. Bals R.Ambient temperature impacts on pH of exhaled breath condensate *Respirology* 2010; 15(1): 155-159
- 386.Kokki H. Kokki M. Dose-finding studies of ketoprofen in the management of fever in children: Report on two randomized, single-blind, comparator-controlled, single-dose, multi-centre, phase II studies *Clinical Drug Investigation* 2010; 30(4): 251-258
- 387.Kokki H. Kokki M. Ketoprofen versus Paracetamol (Acetaminophen) or ibuprofen in the management of fever: Results of two randomized, double-blind, double-dummy, parallel-group, repeated-dose, multicentre, phase III studies in children *Clinical Drug Investigation* 2010; 30(6): 375-386
- 388.Kono T. Omiya Y. Atsushi K. Suzuki T. Koseki T. Hira Y. Chisato N. Watanabe T. Kohgo Y Daikenchuto improves bowel microvascular dysfunction and inflammation in animal and clinical studies of Crohn's disease . *Diseases of the Colon and Rectum* 2010; 53(4): 603-604
389. Kounalakis SN Botonis PG Koskolou MD Geladas ND The effect of menthol application to the skin on sweating rate response during exercise in swimmers and controls *European Journal of Applied Physiology* 2010; 109(2): 183-189
- 390.Kourliouros A. Valencia O. Phillips SD Collinson PO van Besouw J.-P. Jahangiri M. Low cardiopulmonary bypass perfusion temperatures are associated with acute kidney injury following coronary artery bypass surgery *European Journal of Cardiothoracic Surgery* 2010; 37(3): 704-709
- 391.Koyama N.Changes in skin temperature in humans elicited by scratching on the itchy skin *Neuroscience Research* 2010; 68 SUPPL. 1 (e163)

- 392.Kozak LR Bango M. Szabo M. Rudas G. Vidnyanszky Z. Nagy Z Using diffusion MRI for measuring the temperature of cerebrospinal fluid within the lateral ventricles. *Acta Paediatrica, International Journal of Paediatrics* 2010; 99(2): (237-243
- 393.Krauchi K. Vollenweider S. Pavy-Le Traon A. Taillard J. Changes in sleep and thermoregulation induced by cool
- 394.Kuennen MR Gillum TL Amorim FT Kwon YS Schneider SM Palm cooling to reduce heat strain in subjects during simulated armoured vehicle transport *European Journal of Applied Physiology* 2010; 108(6): 1217-1223
- 395.Kukkonen TM Binik YM Amsel R. Carrier S. An evaluation of the validity of thermography as a physiological measure of sexual arousal in a non-university adult sample. *Archives of sexual behavior* 2010; 39(4): 861-873
- 396.Kurozawa Y. Hosoda T. Nasu Y. Current perception threshold for assessment of the neurological components of hand-arm vibration syndrome: A review *Yonago Acta Medica* 2010; 53(3): 59-64
- 397.Kurusz M. Temperature Management During Cardiopulmonary Bypass *Journal of Cardiothoracic and Vascular Anesthesia* 2010; 24(2): 385-386
- 398.Kwak BS Kim HJ Kim HO Jung H.-I. An integrated photo-thermal sensing system for rapid and direct diagnosis of anemia *Biosensors and Bioelectronics* 2010; 26(4): 1679-1683.
- 399.Kwak YH Hong SM Park SS A single cell tracking system in real-time *Cellular Immunology* 2010; 265(1): 44-49
- 400.Ladas ID Kotsolis AI Fever after intravitreal anti-VEGF injections *Graefes Archive for Clinical and Experimental Ophthalmology* 2010; 248(2): (295-296).
- 401.Laino L. Di Carlo A. Telethermography: An objective method for evaluating patch test reactions *European Journal of Dermatology* 2010; 20(2): 175-180
- 402.Lang JA Holowatz LA Kenney WL Localized tyrosine or tetrahydrobiopterin supplementation corrects the age-related decline in cutaneous vasoconstriction *Journal of Physiology* 2010; 588(8): 1361-1368
- 403.Lang JA Holowatz LA Kenney WL Tetrahydrobiopterin does not affect end-organ responsiveness to norepinephrine-mediated vasoconstriction in aged skin *American Journal of Physiology - Regulatory Integrative and Comparative Physiology* 2010; 299(6): R1651-R1655
- 404.Larach MG Gronert GA Allen GC Brandom BW Lehman EB Clinical presentation, treatment, and complications of malignant hyperthermia in North America from 1987 to 2006 *Anesthesia and Analgesia* 2010; 110(2): 498-507
- 405.Larion M. Salinas RK Bruschweiler-Li L. Bruschweiler R. Miller BG Direct evidence of conformational heterogeneity in human pancreatic glucokinase from high-resolution nuclear magnetic resonance *Biochemistry* 2010; 49(3)(7): 7969-7971).
- 406.Larsson I.-M. Wallin E. Rubertsson S. Cold saline infusion and ice packs alone are effective in inducing and maintaining therapeutic hypothermia after cardiac arrest *Resuscitation* 2010; 81(1): 15-19
- 407.Latha K. Ruckmani A. The effect of verapamil in malaria - a prospective randomized double blind control clinical study *Journal of Clinical and Diagnostic Research* 2010; 4(4): 2707-2713
- 408.Lavesson T. Amer-Wahlin I. Hansson S. Ley D. Marsal K. Olofsson P. Continuous monitoring of fetal scalp temperature in labor: A new technology validated in a fetal lamb model *Acta Obstetrica et Gynecologica Scandinavica* 2010; 89(6): 807-812
- 409.Lavesson T. Amer-Wanullhlin I. Hansson S. Ley D. Marsal K. Olofsson P. Continuous monitoring of fetal scalp temperature in labor: A new technology validated in a fetal lamb model. *Journal of Maternal-Fetal and Neonatal Medicine* 2010; 23 (Suppl. 1) 620
- 410.Leclerc FM Puechguiral IR Rotteleur G. Thomas P. Mordon SR A prospective randomized study of 980 nm diode laser-assisted venous ulcer healing on 34 patients *Wound Repair and Regeneration* 2010; 18(6): 580-585
- 411.Lee C.-H. Derby R. Choi H.-S. Lee S.-H. Kim SH Kang YK. The efficacy of two electrodes radiofrequency technique: Comparison study using a cadaveric interspinous ligament and temperature measurement using egg white *Pain Physician* 2010; 13(1): 43-49
- 412.Lee GN Kim KR Ahn S.-H. Bae MA Kang NS Discovery of cannabinoid-1 receptor antagonists by virtual screening *Bioorganic and Medicinal Chemistry Letters* 2010; 20(1)(7): 5130-5132
- 413.Lee J.-B. Kim T.-W. Shin Y.-O. Min Y.-K. Yang H.-M. Effect of the heat-exposure on peripheral sudomotor activity including the density of active sweat glands and single sweat gland output *Korean Journal of Physiology and Pharmacology* 2010; 14(5): 273-278
- 414.Lee J.-H. Na Y. Kim S.-K. Chung S.-K. Unsteady flow characteristics through a human nasal airway *Respiratory Physiology and Neurobiology* 2010; 172(3): 136-146
- 415.Lee J.-Y. Saat M. Chou C. Hashiguchi N. Wijayanto T. Wakabayashi H. Tochiara Y Cutaneous warm and cool sensation thresholds and the inter-threshold zone in Malaysian and Japanese males. *Journal of Thermal Biology* 2010; 35(2): 70-76
- 416.Lee J.-Y. Wakabayashi H. Wijayanto T. Tochiara Y. Differences in rectal temperatures measured at depths of 4-19 cm from the anal sphincter during exercise and rest. *European Journal of Applied Physiology* 2010; 109(1): 73-80
- 417.Lee JKW. Nio AQX. Lim CL Teo E. YN Byrne Thermoregulation, pacing and fluid balance during mass participation distance running in a warm and humid environment *C. European Journal of Applied Physiology* 2010; 109(5): 887-898
- 418.Lee JW Kim DH Lee HI Han T.Y. Li K. Seo SJ Hong CK Thermographic follow-up of a mild case of herpes zoster *Archives of Dermatology* 2010; 146(9): 1053-1055
- 419.Lee M.-Y. Yang C.-S. Entropy-based feature extraction and decision tree induction for breast cancer diagnosis with standardized thermograph images *Computer Methods and Programs in Biomedicine* 2010; 100(3): 269-282
- 420.Lei Z. Chu T.-B. Wang X.-J. Autologous peripheral blood stem cell transplantation for treatment of diabetic foot *Journal of Clinical Rehabilitative Tissue Engineering Research* 2010; 14(19): 3589-3592.
- 421.Leite M. Ribeiro F. Liquid Ice fails to cool the skin surface as effectively as crushed ice in a wet towel. *Physiotherapy theory and practice* 2010; 26(6): 393-398
- 422.Lepetit-Coiffe M. Laumonier H. Seror O. Quesson B. Sesay M.-B. Moonen CTW. Grenier N. Trillaud H. Real-time monitoring of radiofrequency ablation of liver tumors using thermal-dose calculation by MR temperature imaging: Initial results in nine patients, including follow-up *European Radiology* 2010; 20(1): 193-201
- 423.Leshnower BG Myung RJ Kilgo PD Vassiliades TA Vega JD Thourani VH Puskas JD Guyton RA Chen EP Moderate hypothermia and unilateral selective antegrade cerebral perfusion: A contemporary cerebral protection strategy for aortic arch surgery *Annals of Thoracic Surgery* 2010; 90(2): 547-553
- 424.Leu-Semenescu S. Arnulf I. Decaix C. Moussa F. Clot F. Boniol C. Touitou Y. Levy R. Vidailhet M. Roze E. Sleep and rhythm consequences of a genetically induced loss of serotonin *Sleep* 2010; 33(3): 307-314).
- 425.Levillee RJ Ramanathan R Optimization of image-guided targeting in renal focal therapy. *Journal of Endourology* 2010; 24(5): 729-744).
- 426.Levin D. Tribuzio M. Green-Wrzesinski T. Ames B. Radwan S. Jarvis JD Vaccaro T. Modlin JF Empiric antibiotics are justified for infants with respiratory syncytial virus lower respiratory tract infection presenting with respiratory failure: A prospective study and evidence review *Pediatric Critical Care Medicine* 2010; 11(3): 390-395
- 427.Levine Z Mild traumatic brain injury. Part 2: Concussion management. *Canadian Family Physician* 2010; 56(7): 658-662
- 428.Levy DA Correlation of Thermocouple Data With Voiding Function After Prostate Cryoablation *Urology* 2010; 75(2): 482-486
- 429.Li B. Li W. Liu H. Yao R. Tan M. Jing S. Ma X Physiological expression of human thermal comfort to indoor operative temperature in the non-HVAC environment. *Indoor and Built Environment* 2010; 19(2): 221-229

- 430.Liao VH-C. Chio C.-P. Chou W.-C. Ju Y.-R. Liao C.-M. Modeling human health risks of airborne endotoxin in homes during the winter and summer seasons *Science of the Total Environment* 2010; 408(7): 1530-1537.
- 431.Lillicrap T. Stanwell P. Parsons M. Spratt N. Hudson S. Levi C. MR spectroscopy in brain temperature measurement and application to induced hypothermia therapy *Circulation* 2010; 122(2): e206.
- 432.Litscher G. Bioengineering assessment of acupuncture, part 8: Innovative moxibustion *Critical Reviews in Biomedical Engineering* 2010; 38(2): 117-126
- 433.Lucas RAI. Ainslie PN Fan J.-L. Wilson LC Thomas KN Cotter JD Skin cooling aids cerebrovascular function more effectively under severe than moderate heat stress *European Journal of Applied Physiology* 2010; 109(1): 101-108
- 434.Ludemann L. Wlodarczyk W. Nadobny J. Weihrauch M. Gellermann J. Wust P Non-invasive magnetic resonance thermography during regional hyperthermia . *International Journal of Hyperthermia* 2010; 26(3): 273-282
- 435.Luppi M. Amici R. Cerri M. Dentico D. Laudadio S. Martelli D. Mastrotto M. Perez E. Tupone D. Zamboni G. Sleep changes after prolonged high-fat diet delivery in the rat *Journal of Sleep Research* 2010; 19 SUPPL. 2 (267
- 436.Luthra M. Siegel RE A cool case of hypothermia *Internal Medicine* 2010; 49(1):4 (1455).
- 437.Lyon RM Richardson SE Hay AW Andrews P.JD Robertson CE Clegg GR Esophageal temperature after out-of-hospital cardiac arrest: An observational study *Resuscitation* 2010; 81(7): 867-871
- 438.Lyon RM Robertson CE Clegg GR Therapeutic hypothermia in the emergency department following out-of-hospital cardiac arrest *Emergency Medicine Journal* 2010; 27(6): 418-423
- 439.Maastrup R. Greisen G. Extremely preterm infants tolerate skin-to-skin contact during the first weeks of life *Acta Paediatrica, International Journal of Paediatrics* 2010; 99(8): 1145-1149
- 440.Maeda M. Efficacy of keishibukuryogan, a traditional Japanese herbal medicine, in treating cold sensation and numbness after stroke: Clinical improvement and skin temperature normalization in 22 stroke patients - Commentary *Neurologia Medico-Chirurgica* 2010; 50(1): 5-6
- 441.Magalhaes FC Passos R.LF Fonseca MA Oliveira K.PM Ferreira-Junior JB Martini A.RP Lima M.RM Guimaraes JB Barauna VG Silami-Garcia E. Rodrigues L.OC Thermoregulatory efficiency is increased after heat acclimation in tropical natives *Journal of Physiological Anthropology* 2010; 29(1): 1-12
- 442.Magalhaes FDC Amorim FT, Passos RLF Fonseca MA, Oliveira K.PM, Lima MRM, Guimaraes JB, Ferreira-Junior JB, Martini ARP, Lima NRV. Soares DD, Oliveira EM, Rodrigues LOC.Heat and exercise acclimation increases intracellular levels of Hsp72 and inhibits exercise-induced increase in intracellular and plasma Hsp72 in humans *Cell Stress and Chaperones* 2010; 15(6): 885-895
- 443.Magro M. Andreu D. Gomez-Puertas P. Melero JA Palomo C Neutralization of human respiratory syncytial virus infectivity by antibodies and low-molecular-weight compounds targeted against the fusion glycoprotein . *Journal of Virology* 2010; 84(1)(6): 7970-7982
- 444.Maihofner C. Seifert F. Markovic K. Complex regional pain syndromes: New pathophysiological concepts and therapies *European Journal of Neurology* 2010; 17(5): 649-660
- 445.Majid H. Hirshkowitz M. Therapeutics of narcolepsy *Sleep Medicine Clinics* 2010; 5(4): 659-673
- 446.Majlesi N. Greller HA McGuigan MA Caraccio T. Su MK Chan GM Thyroid storm after pediatric levothyroxine ingestion *Pediatrics* 2010; 126(2): e470-e473
- 447.Malan M. Dawson B. Goodman C. Peeling P Effect of heat exposure on thermoregulation and hockey-specific response time in field hockey goalkeepers . *Journal of Science and Medicine in Sport* 2010; 13(3): 371-375
- 448.Manginas A. Andreanides E. Leontiadis E. Sfyrakis P. Maounis T. Degiannis D. Alivizatos PA Cokkinos DV Right ventricular endocardial thermography in transplanted and coronary artery disease patients: First human application *Journal of Invasive Cardiology* 2010; 22(9): 400-404
- 449.Manners PJ Guttinger R Fevers and the rheumatologist . *Indian Journal of Pediatrics* 2010; 77(1):0 (1173-1181
- 450.Mantur VS Vasudeva Effects of academic stress on leukocyte subset distribution in humans MCR. *Journal of Chinese Clinical Medicine* 2010; 5(9): 516-519).
- 451.Marik PE Varon J. Prolonged and profound therapeutic hypothermia for the treatment of "brain death" after a suicidal intoxication. Challenging conventional wisdoms *American Journal of Emergency Medicine* 2010; 28(2): 258.e1-258.e4
- 452.Markwald RR Lee-Chiong TL Burke TM Snider JA Wright Jr. KP Effects of the melatonin MT-1/MT-2 agonist ramelteon on daytime body temperature and sleep *Sleep* 2010; 33(6): 825-831).
- 453.Markwald RR Wright KP Effects of exogenous melatonin on resting metabolic rate in humans *Sleep* 2010; 33 SUPPL. 1 (A64
- 454.Marlin S. Feldmann D. Nguyen Y. Rouillon I. Loundon N. Jonard L. Bonnet C. Couderc R. Garabedian EN Petit C. Denoyelle F. Temperature-sensitive auditory neuropathy associated with an otoferlin mutation: Deafening fever! *Biochemical and Biophysical Research Communications* 2010; 394(3): 737-742.
- 455.Marson L. Brotto LA Romanzi LJ Miner M Current literature review . *Journal of Sexual Medicine* 2010; 7(1)(2): 3817-3822
- 456.Martindale JL Senecal EL Obermeyer Z. Nadel ES Brown DFM. Altered mental status and hypothermia *Journal of Emergency Medicine* 2010; 39(4): 491-496
- 457.Massard C. Fizazi K. Gross-Goupil M. Escudier B. Reflex sympathetic dystrophy in patients with metastatic renal cell carcinoma treated with Everolimus *Investigational New Drugs* 2010; 28(6): 879-881
- 458.Matchock RL Circadian and sleep episode duration influences on cognitive performance following the process of awakening *International Review of Neurobiology* 2010; 93:C129-151
- 459.Mathur NB Marmu K. Kumar S Systemic inflammatory response syndrome in home delivered neonates: A prospective observational study . *Indian Journal of Pediatrics* 2010; 77(1):0 (1109-1113
- 460.Matsui T. Hakozaiki Y. Suzuki S. Usui T. Kato T. Hasegawa K. Sugiyama Y. Sugamata M. Abe S. A novel screening method for influenza patients using a newly developed non-contact screening system. *The Journal of infection* 2010; 60(4): 271-277
- 461.Matsumoto H. Mashiko K. Sakamoto Y. Kutsukata N. Hara Y. Yokota H. A new look at criteria for damage control surgery *Journal of Nippon Medical School* 2010; 77(1): 13-20
- 462.Matsumoto S. Shimodozono M. Etoh S. Shimozono Y. Tanaka N. Kawahira K. Beneficial effects of footbaths in controlling spasticity after stroke *International Journal of Biometeorology* 2010; 54(4): 465-473
- 463.Maurer K. Wacker J. Vastani N. Seifert B. Spahn DR. Changes in axonal excitability of primary sensory afferents with general anaesthesia in humans *British Journal of Anaesthesia* 2010; 105(5): 648-656
- 464.Mazzi E. Bartos AE Carlin J. Weber MW Darmstadt GL Clinical signs predicting severe illness in young infants (<60 days) in Bolivia *Journal of Tropical Pediatrics* 2010; 56(5): 307-316
- 465.McAllen RM Tanaka M. Ootsuka Y. McKinley MJ Multiple thermoregulatory effectors with independent central controls *European Journal of Applied Physiology* 2010; 109(1): 27-33
- 466.McBride WJ Buikstra E. FitzGerald M. Investigation of febrile passengers detected by infrared thermal scanning at an international airport. *Australian and New Zealand journal of public health* 2010; 34(1): 5-10
- 467.McCabe KM Hernandez M Molecular thermometry . *Pediatric Research* 2010; 67(5): 469-475
- 468.McDannold N. Clement GT Black P. Jolesz F. Hynynen K Transcranial magnetic resonance imaging- guided focused ultrasound surgery of brain tumors: Initial findings in 3 patients . *Neurosurgery* 2010; 66(2): 323-332

469. McEntire SJ Chinkes DL Herndon DN Suman OE Temperature responses in severely burned children during exercise in a hot environment *Journal of Burn Care and Research* 2010; 31(4): 624-630
470. McHoney M. Eaton S. Wade A. Carnielli V. Kiely E. Drake D. Curry J. Pierro A Effect of laparoscopy and laparotomy on energy and protein metabolism in children: A randomized controlled trial. *Journal of Pediatrics* 2010; 157(3): 439-444+ 444.e1-444.e2
471. McKnight J. Nicholls PG Loretta D. Desikan KV Lockwood D.NJ Wilder-Smith EP van Brakel WH Reference values for nerve function assessments among a study population in northern India - iii: Sensory and motor nerve conduction *Neurology Asia* 2010; 15(1): 39-54
472. Memarian N. Venetsanopoulos AN Chau T. Validating an infrared thermal switch as a novel access technology. *Biomedical engineering online* 2010; 9: 38
473. Merla A. Mattei PA Di Donato L. Romani GL Thermal imaging of cutaneous temperature modifications in runners during graded exercise. *Annals of biomedical engineering* 2010; 38(1): 158-163
474. Metintas S. Kurt E. Geo-climate effects on asthma and allergic diseases in adults in Turkey: Results of PARFAIT study *International Journal of Environmental Health Research* 2010; 20(3): (189-199)
475. Meyer MA Temperature and brain death determination: Need for updated criteria *Neurology International* 2010; 2(2): 65).
476. Meyhoff CS Jorgensen LN Rasmussen LS High perioperative oxygen fraction for abdominal surgery and risk of surgical site infection - Reply *JAMA - Journal of the American Medical Association* 2010; 303(6): 515.
477. Miranda A. Figoni SF Castellano V. Hyams D. Kerendian N. Nguyen TT Tyson MA Scremin ME Scremin OU Calf muscle oxygenation during exercise in healthy adults *Clinical Kinesiology* 2010; 64(1): 8-15
478. Mizuno H. Miyamoto M. Shimamoto M. Koike S. Hyakusoku H. Kuroyanagi Y. Therapeutic angiogenesis by autologous bone marrow cell implantation together with allogeneic cultured dermal substitute for intractable ulcers in critical limb ischaemia *Journal of Plastic, Reconstructive and Aesthetic Surgery* 2010; 63(11): 1875-1882
479. Mlynek A. Magerl M. Siebenhaar F. Weller K. Vieira Dos Santos R. Zuberbier T. Zalewska-Janowska A. Maurer M Results and relevance of critical temperature threshold testing in patients with acquired cold urticaria. *British Journal of Dermatology* 2010; 162(1): 198-200
480. Mok CC Mycophenolate mofetil for localized scleroderma *International Journal of Clinical Rheumatology* 2010; 5(1): 33-36
481. Momen MN Ananian FB Fahmy IM Mostafa T. Effect of high environmental temperature on semen parameters among fertile men *Fertility and Sterility* 2010; 93(6): 1884-1886
482. Monbaliu D. Brassil J. Machine perfusion of the liver: Past, present and future *Current Opinion in Organ Transplantation* 2010; 15(2): 160-166
483. Moore M. Tucker M. Grier T. Quinn J Effects of summer mailing on in vivo and in vitro relative potencies of standardized timothy grass extract. *Annals of Allergy, Asthma and Immunology* 2010; 104(2): 147-151
484. Mora-Rodriguez R. Coso JD Hamouti N. Estevez E. Ortega JF Aerobically trained individuals have greater increases in rectal temperature than untrained ones during exercise in the heat at similar relative intensities *European Journal of Applied Physiology* 2010; 109(5): 973-981
485. Morrison LJ Deakin CD Morley PT Callaway CW Kerber RE Kronick SL Lavonas EJ Link MS Neumar RW Otto CW Parr M. Shuster M. Sunde K. Peberdy MA Tang W. Vanden Hoek TL Bottiger BW Drajer S. Han Lim S. Nolan JP Part 8: Advanced life support: 2010 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science with Treatment Recommendations *Circulation* 2010; 122(16, Suppl. 2) S345-S421.
486. Mozaffarieh M. Osusky R. Schotzau A. Flammer J. Relationship between optic nerve head and finger blood flow *European Journal of Ophthalmology* 2010; 20(1): 136-141
487. Mu X.-D. Wang G.-F Miliary tuberculosis. *New England Journal of Medicine* 2010; 363(1):1 (1059).
488. Mullany LC Katz J. Khatry SK LeClerq SC Darmstadt GL Tielsch JM Incidence and seasonality of hypothermia among newborns in southern Nepal *Archives of Pediatrics and Adolescent Medicine* 2010; 164(1): 71-77
489. Muller MD Ryan EJ Kim C.-H. Bellar DM Blankfield RP Glickman EL Reliability of the measurement of stroke volume using impedance cardiography during acute cold exposure *Aviation Space and Environmental Medicine* 2010; 81(2): 120-124
490. Munch M. Silva EJ Ronda JM Czeisler CA Duffy JF EEG sleep spectra in older adults across all circadian phases during NREM sleep *Sleep* 2010; 33(3): 389-401).
491. Mundel T. Jones DA The effects of swilling an l(-)-menthol solution during exercise in the heat *European Journal of Applied Physiology* 2010; 109(1): 59-65)
492. Murakami T. Ogasawara K. Yoshioka Y. Ishigaki D. Sasaki M. Kudo K. Aso K. Nishimoto H. Kobayashi M. Yoshida K. Ogawa A. Brain temperature measured by using proton MR spectroscopy predicts cerebral hyperperfusion after carotid endarterectomy *Radiology* 2010; 256(3): 924-931
493. Musat D. Aziz EF Koneru J. Arshad A. Kamath GS Mittal S. Steinberg JS Computational method to predict esophageal temperature elevations during pulmonary vein isolation *PACE - Pacing and Clinical Electrophysiology* 2010; 33(1):0 (1239-1248)
494. Mussivand T. Heat energy for heart failure treatment *Journal of Cardiac Failure* 2010; 16(8): SUPPL. 1 (S26)
495. Muth C.-M. Shank E. Hauser B. Radermacher P. Groger M. Ehrmann U. *Journal Infrared Ear Thermometry in Water-Related Accidents-Not a Good Choice of Emergency Medicine* 2010; 38(4): 417-421
496. Nabulsi M Is combining or alternating antipyretic therapy more beneficial than monotherapy for febrile children? *BMJ* 2010; 340(7):737 (92-93).
497. Naess H. Idicula T. Lagallo N. Brogger J. Waje-Andreassen U. Thomassen L. Inverse relationship of baseline body temperature and outcome between ischemic stroke patients treated and not treated with thrombolysis: The Bergen stroke study *Acta Neurologica Scandinavica* 2010; 122(6): 414-417
498. Nagano C. Tsutsui T. Monji K. Sogabe Y. Idota N. Horie S. Technique for continuously monitoring core body temperatures to prevent heat stress disorders in workers engaged in physical labor. *Journal of occupational health* 2010; 52(3): 167-175
499. Nagao K. Kikushima K. Watanabe K. Tachibana E. Tominaga Y. Tada K. Ishii M. Chiba N. Kasai A. Soga T. Matsuzaki M. Nishikawa K. Tateda Y. Ikeda H. Yagi T. Early induction of hypothermia during cardiac arrest improves neurological outcomes in patients with out-of-hospital cardiac arrest who undergo emergency cardiopulmonary bypass and percutaneous coronary intervention *Circulation Journal* 2010; 74(1): 77-85
500. Najafi NM Shahparvizi S. Rafati H. Ghasemi E. Alizadeh R. Preconcentration and determination of ultra-traces of platinum in human serum using the combined electrodeposition-electrothermal atomic absorption spectroscopy (ED-ETAAS) and chemometric method *Journal of Pharmaceutical and Biomedical Analysis* 2010; 53(1): 58-61
501. Nakagawa M. Hayashi M. Houki S. Matsubara K. Kamijima K. Nakanishi S. Abe Y. Ohseto K. Ultrasound guided T2 intercostal nerve block: A comparison with stellate ganglion block under the blind technique and ultrasound guided technique. *Japanese Journal of Anesthesiology* 2010; 59(5) 604-609
502. Nakasuji M. Nakamura M. Imanaka N. Tanaka M. Nomura M. Suh SH Intraoperative high-dose remifentanyl increases post-anaesthetic shivering *British Journal of Anaesthesia* 2010; 105(2): 162-167
503. Nammour S. Zeinoun T. Bogaerts I. Lamy M. Geerts SO Saba SB Lamard L. Peremans A. Limme M Evaluation of dental pulp temperature rise during photo-activated decontamination (PAD) of caries: An in vitro study. *Lasers in Medical Science* 2010; 25(5): 651-654

- 504.Namur S. Gonzalez-de la Parra M. Castaneda-Hernandez G.Quantification of 4-aminopyridine in plasma by capillary electrophoresis with electrokinetic injection Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences 2010; 878(3):-4 (290-294).
- 505.Naperalsky M. Ruby B. Slivka D. Environmental temperature and glycogen resynthesis. International journal of sports medicine 2010; 31(8): 561-566
- 506.Navarro RM Comment Neuromodulation 2010; 13(2): 116
- 507.Navasolava NM Dignat-George F. Sabatier F. Larina IM Demiot C. Fortrat J.-O. Gauquelin-Koch G. Kozlovskaya IB Custaud M.-A. Enforced physical inactivity increases endothelial microparticle levels in healthy volunteers American Journal of Physiology - Heart and Circulatory Physiology 2010; 299(2): (H248-H256
- 508.Ng EY. Tan HM Ooi EH Prediction and parametric analysis of thermal profiles within heated human skin using the boundary element method. Philosophical transactions. Series A, Mathematical, physical, and engineering sciences 2010; 368(19): 655-678
- 509.Nguyen AV Cohen NJ Lipman H. Brown CM Molinari N.-A. Jackson WL Kirking H. Szymanowski P. Wilson TW Salhi BA Roberts RR Stryker DW Fishbein DB Comparison of 3 infrared thermal detection systems and self-report for mass fever screening Emerging Infectious Diseases 2010; 16(11): 1710-1717
- 510.Nhan BR Chau T Classifying affective states using thermal infrared imaging of the human face. IEEE Transactions on Biomedical Engineering 2010; 57(4): 979-987 Art.No.: 5338025
- 511.Nickerson DS Nickerson DE A review of therapeutic nerve decompression for neuropathy in hansen's disease with research suggestions Journal of Reconstructive Microsurgery 2010; 26(4): 277-284).
- 512.Nielsen SP Mercer JB Dynamic thermography in vascular finger disease. A methodological study of arteriovenous anastomoses Thermology International 2010; 20(3): 93-99
- 513.Noguchi H. Naziruddin B. Shimoda M. Fujita Y. Chujo D. Takita M. Peng H. Sugimoto K. Itoh T. Tamura Y. Olsen GS Kobayashi N. Onaca N. Levy MF Matsumoto S. Comparison of fresh and cultured islets from human and porcine pancreata Transplantation Proceedings 2010; 42(6): 2084-2086
- 514.Nyquist P. Management of acute intracranial and intraventricular hemorrhage Critical Care Medicine 2010; 38(3): 946-953
- 515.Oddo M. Frangos S. Maloney-Wilensky E. Andrew Kofke W. Le Roux PD Levine JM Effect of shivering on brain tissue oxygenation during induced normothermia in patients with severe brain injury Neurocritical Care 2010; 12(1): 10-16
- 516.Ogino H Editorial: Is hypothermia a reliable adjunct for spinal cord protection in descending and thoracoabdominal aortic repair with regional or systemic cooling? . General Thoracic and Cardiovascular Surgery 2010; 58(5): 220-222
- 517.Ohno K Efficacy of keishibukuryogan, a traditional Japanese herbal medicine, in treating cold sensation and numbness after stroke; Clinical improvement and skin temperature normalization in 22 stroke patients - Commentary . Neurologia Medico-Chirurgica 2010; 50(1): 6
- 518.Ohtori S. Koshi T. Yamashita M. Yamauchi K. Inoue G. Suzuki M. Takaso M. Orita S. Eguchi Y. Ochiai N. Kishida S. Kuniyoshi K. Nakamura J. Aoki Y. Ishikawa T. Arai G. Miyagi M. Kamoda H. Takahashi Existence of pyogenic spondylitis in Modic type 1 change without other signs of infection: 2-year follow-up K. European Spine Journal 2010; 19(7): 1200-1205
- 519.Oka M, Sawai T, Kajita I, Minami T.Assessment of factors leading to postanesthetic shivering in patients undergoing laparoscopic colectomy with total intravenous anesthesia using remifentanyl. Japanese Journal of Anesthesiology 2010; 59(4) 451-454
- 520.Oka M. Sawai T. Kajita I. Minami T. Assessment of factors leading to postanesthetic shivering in patients undergoing laparoscopic colectomy with total intravenous anesthesia using remifentanyl Japanese Journal of Anesthesiology 2010; 59(4): 451-454
- 521.Okamoto-Mizuno K. Tsuzuki K Effects of season on sleep and skin temperature in the elderly . International Journal of Biometeorology 2010; 54(4): 401-409
- 522.Okuro M. He Y. Fu Y. Nishino S. Circadian distributions of wake, NREM and REM sleep of DEC2-P385R TG mice Sleep 2010; 33 SUPPL. 1 (A48
- 523.O'Neal EK Bishop P. Effects of work in a hot environment on repeated performances of multiple types of simple mental tasks International Journal of Industrial Ergonomics 2010; 40(1): 77-81
- 524.Onishi S. Nagashima T. Kimura H. Matsuyama Y. Yoshio T. Minota S. Systemic lupus erythematosus and Sjogren's syndrome induced in a case by interferon-(alpha) used for the treatment of hepatitis C Lupus 2010; 19(6): 753-755
- 525.Ortiz-Tudela E. Martinez-Nicolas A. Campos M. Rol MA Madrid J.A A new integrated variable based on thermometry, actimetry and body position (TAP) to evaluate circadian system status in humans . PLoS Computational Biology 2010; 6(1):1 Article Number: e1000996
- 526.Ostro B. Rauch S. Green R. Malig B. Basu R.The effects of temperature and use of air conditioning on hospitalizations American Journal of Epidemiology 2010; 172(9): 1053-1061.
- 527.Ouvrier R What can we learn from the history of Charcot-Marie-Tooth disease? . Developmental Medicine and Child Neurology 2010; 52(5): 405-406
- 528.Oyakhirrome S. Profanter K. Kremsner PG Assessment of fever in African children: implication for malaria trialsThe American journal of tropical medicine and hygiene 2010; 82(2): 215-218
- 529.Oza V. Treat J. Cook N. Tetzlaff MT Subcutaneous fat necrosis as a complication of whole-body cooling for birth asphyxia Yan A. Archives of Dermatology 2010; 146(8): 882-885
- 530.Paes BF Vermeulen K. Brohet RM Van Der Ploeg T. De Winter JP Accuracy of tympanic and infrared skin thermometers in children Archives of Disease in Childhood 2010; 95(1)(2): 974-978
- 531.Pan X. Jiang L. Liu K. Lin Bingcheng B. Qin Jianhua J A microfluidic device integrated with multichamber polymerase chain reaction and multichannel separation for genetic analysis . Analytica Chimica Acta 2010; 674(1): 110-115
- 532.Panagiotidis J. Lahav A. Simulation of prenatal maternal sounds in NICU incubators: A pilot safety and feasibility study Journal of Maternal-Fetal and Neonatal Medicine 2010; 23 (Suppl. 3): 106-109
- 533.Pandey R. Garg R. Chandralekha Darlong V. Punj J. Sinha R. Jyoti B. Mukundan C. Elakkumanan LB Robot-assisted thoracoscopic thymectomy: Perianaesthetic concerns European Journal of Anaesthesiology 2010; 27(5): 473-477
- 534.Papanas N. Papatheodorou K. Papazoglou D. Kotsiou S. Maltezos E. Association between foot temperature and sudomotor dysfunction in type 2 diabetes. Journal of diabetes science and technology 2010; 4(4): 803-807
- 535.Park JS Baek CW Kang H. Cha SM Park JW Jung YH Woo Y.-C. Total intravenous anesthesia with propofol and remifentanyl in a patient with MELAS syndrome -A case report Korean Journal of Anesthesiology 2010; 58(4): 409-412
- 536.Park MJ Kim Y.-S. Rhim H. Lim HK Shin BS Choi D. Lee MW Kim DH Prospective analysis of the pattern and risk for severe vital sign changes during percutaneous radiofrequency ablation of the liver under opioid analgesia American Journal of Roentgenology 2010; 194(3): 799-808
- 537.Park SY. Kim DH Kim JS Kim KS Hong YS Hong YW Resolution of peripheral artery catheter-induced ischemic injury in infants - Two case reports Korean Journal of Anesthesiology 2010; 59(2): 127-129
- 538.Park SY. Nahm FS Kim YC Lee SC Sim SE Lee SJ The cut-off rate of skin temperature change to confirm successful lumbar sympathetic block Journal of International Medical Research 2010; 38(1): 266-275
- 539.Pascoe DD Comparison of measuring sites for the assessment of body temperature: Final amendment Thermology International 2010; 20(1): 36-38
- 540.Patel MD Balachander H. Bhat RR Krishanappa S. Nagappa M. Intravenous vs intrathecal fentanyl in prevention of intraoperative shivering Journal of Anaesthesiology Clinical Pharmacology 2010; 26(1): 11-14

541. Patten SM Sur E. Sundaram R. Weinhardt B. Dangers in the garden. *The Lancet* 2010; 376(9):743 (844).
542. Paulides MM Bakker JF Linthorst M. van der Zee J. Rijnen Z. Neufeld E. Pattynama PM Jansen PP Levendag PC van Rhooen GC. The clinical feasibility of deep hyperthermia treatment in the head and neck: new challenges for positioning and temperature measurement. *Physics in medicine and biology* 2010; 55(9): 2465-2480
543. Pauling JD McHugh NJ. Does incorporation of a cold challenge provide additional diagnostic information in thermographic assessment of Raynaud's phenomenon? *Thermology International* 2010; 20(3): 87-92
544. Pauling JD Shipley JA McHugh NJ. Impaired digital vascular function mimicking Raynaud's phenomenon as a complication of argon laser therapy in tuberous sclerosis. *Microvascular Research* 2010; 80(1): 2
545. Peer AJ Grimm MJ Zynda ER Repasky EA. Diverse immune mechanisms may contribute to the survival benefit seen in cancer patients receiving hyperthermia. *Immunologic Research* 2010; 46(1):3 (137-154) Roswell Park Special Issue, Book Series Title:
546. Pelcastre EL Villanueva-Mendoza C. Zenteno JC. Novel and recurrent NDP gene mutations in familial cases of Norrie disease and X-linked exudative vitreoretinopathy. *Clinical and Experimental Ophthalmology* 2010; 38(4): 367-374
547. Perez-Protto S. Sessler DI Reynolds LF Bakri MH Mascha E. Cywinski J. Parker B. Argalious M. Circulating-water garment or the combination of a circulating-water mattress and forced-air cover to maintain core temperature during major upper-abdominal surgery. *British Journal of Anaesthesia* 2010; 105(4): 466-470
548. Perry HE Prasad P. Kirwan S. Huang YQ. Core temperature changes in resuspended red blood cells (RBCs) and pediatric RBCs removed from refrigerated storage. *Transfusion* 2010; 50(1): 174-177
549. Petrillo-Albarano T. Little WK. When there are no inpatient beds: Providing pediatric critical care for trauma patients in the emergency department. *Clinical Pediatric Emergency Medicine* 2010; 11(1): 41-47
550. Petrofsky J. Gunda S. Raju C. Bains GS Bogseth MC Focil N. Sirichotiratana M. Hashemi V. Vallabhaneni P. Kim Y. Madani P. Coords H. McClurg M. Lohman E. Impact of hydrotherapy on skin blood flow: How much is due to moisture and how much is due to heat? . *Physiotherapy theory and practice* 2010; 26(2): 107-112
551. Petrofsky J. Lee H. Trivedi M. Hudlikar AN Yang C.-H. Goraksh N. Alshammari F. Mohanan M. Soni J. Agilan B. Pai N. Chindam T. Murugesan V. Yim JE Katrak V. The influence of aging and diabetes on heat transfer characteristics of the skin to a rapidly applied heat source. *Diabetes Technology and Therapeutics* 2010; 12(1)(2): 1003-1010
552. Petrofsky J. S. A device to measure heat flow through the skin in people with diabetes. *Diabetes Technology and Therapeutics* 2010; 12(9): 737-743).
553. Pfaller A. Efficacy of biofeedback in the treatment of migraine and tension type headaches. *Pain Physician* 2010; 13(1): 94-96
554. Phaugat K. Bhambi M. Renu Pundir CS. Polyethylene terephthalate membrane as a support for covalent immobilization of uricase and its application in serum urate determination. *Journal of Molecular Catalysis B: Enzymatic* 2010; 62(1): 27-31
555. Pietzarka K. Reimann M. Schmidt C. Herting B. Schols L. Reichmann H. Berg D. Schrader C. Ziemssen T. The cold hand sign in multiple system atrophy: Skin perfusion revisited. *Journal of Neural Transmission* 2010; 117(4): 475-479
556. Piitulainen H. Bottas R. Komi P. Linnamo V. Avela J. Impaired action potential conduction at high force levels after eccentric exercise. *Journal of Electromyography and Kinesiology* 2010; 20(5): 879-887
557. Pina G. Brun J. Tissot S. Claustat B. Long-term alteration of daily melatonin, 6-Sulfatoxymelatonin, cortisol, and temperature profiles in burn patients: A preliminary report. *Chronobiology International* 2010; 27(2): 378-392
558. Ping WC. Keong CC. Bandyopadhyay A. Effects of acute supplementation of caffeine on cardiorespiratory responses during endurance running in a hot & humid climate. *Indian Journal of Medical Research* 2010; 132(7): 36-41
559. Pirenne J. Time to think out of the (ice) box. *Current Opinion in Organ Transplantation* 2010; 15(2): 147-149
560. Pisacane A. Continisio P. Palma O. Cataldo S. De Michele F. Vairo U. Breastfeeding and risk for fever after immunization. *Pediatrics* 2010; 125(6): (e1448-e1452)
561. Plaghki L. Decruynaere C. Van Dooren P. Le Bars D. The Fine Tuning of Pain Thresholds: A Sophisticated Double Alarm System. *PLoS ONE* 2010; 5(4): Article Number: e10269.
562. Plurad DS. Lustenberger T. Patrick Kilday JZ. Green DJ. Inaba K. Talving P. Belzberg H. Demetriades D. The association of race and survival from sepsis after injury. *American Surgeon* 2010; 76(1): 43-47
563. Poirier MP. Collins EP. McGuire E. Fever phobia: A survey of caregivers of children seen in a pediatric emergency department. *Clinical Pediatrics* 2010; 49(6): 530-534
564. Portela MB. Kneipp LF. Ribeiro De Souza IP. Holandino C. Alviano CS. Meyer-Fernandes JR. De Araujo Soares RM. Ectophosphatase activity in *Candida albicans* influences fungal adhesion: Study between HIV-positive and HIV-negative isolates. *Oral Diseases* 2010; 16(5): 431-437
565. Prasad H. Some physiological considerations of the difference in testicular swinging levels and the temperature-gradient hypothesis of testicular descent. *Medical Hypotheses* 2010; 74(1): 202-203
566. Prinssen E. Nicolas LB. Lopez Lopez C. Jacobson LH. Gatti S. Grundschober C. Klein S. Examining face and construct validity of a non-invasive model of panic disorder in lister-hooded rats. *European Neuropsychopharmacology* 2010; 20 SUPPL. 3 (S539-S540)
567. Prior J. Lawhon-Triano M. Fedor D. Vanston VJ. Getts R. Smego Jr. RA. Community-based application of mild therapeutic hypothermia for survivors of cardiac arrest. *Southern Medical Journal* 2010; 103(4): 295-300
568. Pritchett RC. Bishop PA. Yang Z. Pritchett KL. Green JM. Katica CP. Del Pozzi AT. Evaluation of artificial sweat in athletes with spinal cord injuries. *European Journal of Applied Physiology* 2010; 109(1): 125-131
569. Prodduturi S. Sadrieh N. Wokovich AM. Doub WH. Westenberg BJ. Buhse. Transdermal delivery of fentanyl from matrix and reservoir systems: Effect of heat and compromised skin. *L. Journal of Pharmaceutical Sciences* 2010; 99(5): 2357-2366
570. Proud G. Burke FD. Lawson I. McGeoch K. Bainbridge LC. Baker M. Hilliam RM. Davies S. Deighton C. Manning G. Re: Salem et al. Analysis of rewarming curves in Raynaud's phenomenon of various aetiologies. *J Hand Surg Eur.* 2009; 34: 621-6. *The Journal of hand surgery, European volume* 2010; 35(5): 431-432; author reply 432-433
571. Putzer G. Schmid S. Braun P. Brugger H. Paal P. Cooling of six centigrades in an hour during avalanche burial. *Resuscitation* 2010; 81(8): 1043-1044
572. Qadir R. Kanjwal K. Severe bradycardia with a prominent J wave refractory to atropine: Was it a cause or a result of a fall? A case report and a brief review on the treatment of hypothermia. *American Journal of Therapeutics* 2010; 17(2): 223-225
573. Rabbani MZ. Amir M. Malik M. Mufti M. Pervez MB. Iftikhar S. Tympanic temperature comparison with oral mercury thermometer readings in an OPD setting. *Journal of the College of Physicians and Surgeons Pakistan* 2010; 20(1): (33-36)
574. Rabinstein AA. Treatment of Brain Edema in Acute Liver Failure. *Current Treatment Options in Neurology* 2010; 12(2): 129-141
575. Raiss P. Pape G. Jager S. Loew M. Bitsch R. Rickert M. Acta. In vitro measurement of temperature changes during implantation of cemented glenoid components. *Orthopaedica* 2010; 81(2): 213-217
576. Ramanathan R. Leveillee RJ. Ablative therapies for renal tumors. *Therapeutic Advances in Urology* 2010; 2(2): 51-68

- 577.Ramirez-Venegas A. Selman M From the authors . American Journal of Respiratory and Critical Care Medicine 2010; 182(8): 1086-1087.
- 578.Rasmussen P. Nybo L. Volianitis S. Moller K. Secher NH Gjedde A.Cerebral oxygenation is reduced during hyperthermic exercise in humans Acta Physiologica 2010; 199(1): 63-70
- 579.Raz O. Haider MA Davidson S.RH Lindner U. Hlasny E. Weersink R. Gertner MR Kucharczyk W. McCluskey SA Trachtenberg J.Real-Time Magnetic Resonance Imaging-Guided Focal Laser Therapy in Patients with Low-Risk Prostate Cancer European Urology 2010; 58(1): 173-177
- 580.Raz O. Lindner U. Davidson S.RH Hlasny E. Kucharczyk W. Haider MA Trachtenberg J. Real time MRI guided focal laser therapy of prostate cancer European Urology, Supplements 2010; 9(2): 295
- 581.Reame NE. Hot flash zeitgebers: Still no clear message Menopause 2010; 17(3): 450-451
- 582.Ribeiro AM Figueiras A. Freire C. Santos D. Veiga F. Combining strategies to optimize a gel formulation containing miconazole: the influence of modified cyclodextrin on textural properties and drug release Drug Development and Industrial Pharmacy 2010; 36(6): 705-714
- 583.Richardson M. Hines S. Dixon G. Highe L. Brierley J Establishing nurse-led ventilator-associated pneumonia surveillance in paediatric intensive care . Journal of Hospital Infection 2010; 75(3): 220-224
- 584.Riede FT Flosdorff P. Dahnert I. Emergency covered stent implantation for rupture of the ascending aorta after balloon angioplasty Catheterization and Cardiovascular Interventions 2010; 76(7): 1044-1046).
- 585.Rillig A. Meyerfeldt U. Birkemeyer R. Wiest S. Sauer BM Staritz M. Jung W. Oesophageal temperature monitoring and incidence of oesophageal lesions after pulmonary vein isolation using a remote robotic navigation system Europace 2010; 12(5): 655-661
- 586.Ring EF McEvoy H. Jung A. Zuber J. Machin G New standards for devices used for the measurement of human body temperature. . Journal of medical engineering & technology 2010; 34(4): 249-253
- 587.Ring F Thermal imaging today and its relevance to diabetes. . Journal of diabetes science and technology 2010; 4(4): 857-862
- 588.Robertson NJ Kendall GS Thayyil Techniques for therapeutic hypothermia during transport and in hospital for perinatal asphyxial encephalopathy S. Seminars in Fetal and Neonatal Medicine 2010; 15(5): 276-286
- 589.Robertson S. Issues in cardiopulmonary bypass Southern African Journal of Anaesthesia and Analgesia 2010; 16(1): 28-29
- 590.Robinson H. Howell G. Hardaker N. Parmar R. Richards J. Hughes P. Selfe J. Investigation of a method of thermal imaging with the potential to assist in the diagnosis of carpal tunnel syndrome Thermology International 2010; 20(2): 53-59
- 591.Roelands B. Meeusen R Alterations in central fatigue by pharmacological manipulations of neurotransmitters in normal and high ambient temperature. . Sports medicine (Auckland, NZ) 2010; 40(3): 229-246
- 592.Rogers GB Hoffman LR Whiteley M. Daniels T.WV Carroll MP Bruce KD Revealing the dynamics of polymicrobial infections: Implications for antibiotic therapy Trends in Microbiology 2010; 18(8): 357-364
- 593.Romero-Mendez R. Jimenez-Lozano JN Sen M. Gonzalez FJ Analytical solution of the Pennes equation for burn-depth determination from infrared thermographs. Mathematical medicine and biology : a journal of the IMA 2010; 27(1): (21-38
- 594.Rosenzweig M. Seldin DC Remick DG Skinner M. Quillen K. Oran B. Finn KT Sanchowala V Febrile reactions occurring with second cycle of high-dose melphalan and SCT in patients with AL amyloidosis: A 'melphalan recall' reaction . Bone Marrow Transplantation 2010; 45(1): 21-24
- 595.Roujol S. Ries M. Quesson B. Moonen C. De Senneville BD Real-time MR-thermometry and dosimetry for interventional guidance on abdominal organs Magnetic Resonance in Medicine 2010; 63(4): 1080-1087
- 596.Roy RA Boucher JP Comtois AS Consistency of Cutaneous Thermal Scanning Measures Using Prone and Standing Protocols: A Pilot Study Journal of Manipulative and Physiological Therapeutics 2010; 33(3): 238-240
- 597.Roy RA Boucher JP Comtois AS Paraspinal Cutaneous Temperature Modification After Spinal Manipulation at L5 Journal of Manipulative and Physiological Therapeutics 2010; 33(4): 308-314
- 598.Rubin MF Brunelli SM Townsend Variability - the drama of the circulation RR Journal of Clinical Hypertension 2010; 12(4): 284-287
- 599.Saba L. Potters F. Van Der Lugt A. Mallarini G. Imaging of the fibrous cap in atherosclerotic carotid plaque CardioVascular and Interventional Radiology 2010; 33(4): 681-689
- 600.Sacho RH Vail A. Rainey T. King AT Childs C The effect of spontaneous alterations in brain temperature on outcome: A prospective observational cohort study in patients with severe traumatic brain injury . Journal of Neurotrauma 2010; 27(1)(2): 2157-2164).
- 601.Sahni R. Schulze KF Ohira-Kist K. Kashyap S. Myers MM Fifer WP Interactions among peripheral perfusion, cardiac activity, oxygen saturation, thermal profile and body position in growing low birth weight infants Acta Paediatrica, International Journal of Paediatrics 2010; 99(1): (135-139
- 602.Salagierski M. Salagierski MS Salagierska-Barwinska A Radio-frequency ablation in kidney tumour management: A method of real-time monitoring . Scandinavian Journal of Urology and Nephrology 2010; 44(2): 84-90). Date of Publication: 15 Mar 2010
- 603.Salerian AJ Thermodynamic laws apply to brain function Medical Hypotheses 2010; 74(2): 270-274
- 604.Sammour T. Kahokehr A. Hayes J. Hulme-Moir M. Hill AG Warming and humidification of insufflation carbon dioxide in laparoscopic colonic surgery: A double-blinded randomized controlled trial Annals of Surgery 2010; 251(6): 1024-1033
- 605.Sanchez-Prado L. Garcia-Jares C. Llopart M. Microwave-assisted extraction: Application to the determination of emerging pollutants in solid samples Journal of Chromatography A 2010; 1217(16): 2390-2414
- 606.Sareh H. Tulapurkar ME Shah NG Singh IS Hasday JD Response of mice to continuous 5-day passive hyperthermia resembles human heat acclimation Cell Stress and Chaperones 2010; 1-11.
- 607.Sasaki GH Quantification of human abdominal tissue tightening and contraction after component treatments with 1064-nm/1320-nm laser-assisted lipolysis: Clinical implications Aesthetic Surgery Journal 2010; 30(2): 239-245
- 608.Sasaki M. Morris S. Goto T. Iwatsuki K. Yoshimine T. Spray-irrigation system attached to high-speed drills for simultaneous prevention of local heating and preservation of a clear operative field in spinal surgery Neurologia Medico-Chirurgica 2010; 50(10):900-904
- 609.Sassarini J. Lumsden MA Hot flushes: Are there effective alternatives to estrogen? Menopause International 2010; 16(2): 81-88
- 610.Sato T. Nishio H. Iwata M. KentoTsuboi Tamura A. Miyazaki T. Suzuki K Postmortem molecular screening for mutations in ryanodine receptor type 1 (RyR1) gene in psychiatric patients suspected of having died of neuroleptic malignant syndrome . Forensic Science International 2010; 194(1):-3 (77-79).
- 611.Schellen L. van Marken Lichtenbelt WD Loomans MGLC Toftum J. de Wit MH Differences between young adults and elderly in thermal comfort, productivity, and thermal physiology in response to a moderate temperature drift and a steady-state condition Indoor Air 2010; 20(4): 273-283
- 612.Schey BM Williams D.Y. Bucknall T Skin temperature and core-peripheral temperature gradient as markers of hemodynamic status in critically ill patients: A Review . Heart and Lung: Journal of Acute and Critical Care 2010; 39(1): 27-40).
- 613.Schiermeier Q Glaciers' wane not all down to humans. Nature 2010; 465(7):677.
- 614.Schlader ZJ Stannard SR Mundel T. Human thermoregulatory behavior during rest and exercise - A prospective review Physiology and Behavior 2010; 99(3): 269-275).

- 615.Schlager O. Gschwandtner ME Herberg K. Frohner T. Schillinger M. Koppensteiner R. Mlekusch W. Correlation of infrared thermography and skin perfusion in Raynaud patients and in healthy controls *Microvascular Research* 2010; 80(1): 54-57
- 616.Schraff SA Brumbaugh C. Meinzen-Derr J. Willging JP The significance of post-operative fever following airway reconstruction *International Journal of Pediatric Otorhinolaryngology* 2010; 74(5): (520-522)
- 617.Schreiber J.-U. Mucha E. Fuchs-Buder T. Residual paralysis following a single dose of atracurium: Results from a quality assurance trial *European Journal of Anaesthesiology* 2010; 27(1):1 (993-994)
- 618.Schulte TL Adolphs B. Oberdiek D. Osada N. Liljenqvist U. Filler TJ Approach-related lesions of the sympathetic chain in anterior correction and instrumentation of idiopathic scoliosis Marziniak M. Bullmann V. *European Spine Journal* 2010; 19(9): 1558-1568
- 619.Schwarz M. Krueger MW Busch H.-J. Benk C. Heilmann C Model-based assessment of tissue perfusion and temperature in deep hypothermic patients. *IEEE Transactions on Biomedical Engineering* 2010; 57(7): 1577-1586 Article Number: 5458074
- 620.Sefton JM Yazar C. Berry JW Pascoe DD Therapeutic massage of the neck and shoulders produces changes in peripheral blood flow when assessed with dynamic infrared thermography *Journal of Alternative and Complementary Medicine* 2010; 16(7): 723-732).
- 621.Selfe J. Sutton C. Hardaker NJ Greenhalgh S. Karki A. Dey P. Anterior knee pain and cold knees: A possible association in women *Knee* 2010; 17(5): 319-323
- 622.Serrano-Gomez A. Hunt B. McDonald J. Thompson JP Lambert DG Nociceptin mRNA expression by neutrophils is down-regulated during cardiac surgery with cardiopulmonary bypass *Intensive Care Medicine* 2010; 36 (Suppl. 2): S431
- 623.Sethi B. Taylor EC Taylor J. Mitchell P Stability of haematology parameters on the LH750: Comparison of Sarstedt Monovettes and BD Vacutainers. *British Journal of Biomedical Science* 2010; 67(3): 113-119
- 624.Severens NMW. Van Marken Lichtenbelt WD Frijns A.JH Kingma BRM De Mol BAJM Van Steenhoven AA Measurement of model coefficients of skin sympathetic vasoconstriction *Physiological Measurement* 2010; 31(1): 77-93).
- 625.Severens NMW. Van Marken Lichtenbelt WD Frijns A.JH Van Ooij A. Marcus MAE. De Mol BAJM Van Steenhoven Temperature and surgical wound heat loss during orthopedic surgery: Computer simulations and measurements AA *Canadian Journal of Anesthesia* 2010; 57(4): 381-382
- 626.Shah AK Nakhdehvari A. Postoperative care of perforator-based distant tissue flaps-A common but erroneous practice *Microsurgery* 2010; 30(7): 591
- 627.Shahabuddin S. Jabbar A. Hidayat I. Sophie Z. Fatimi S Deep hypothermic total circulatory arrest for internal carotid artery aneurysm extending into the cranium: Experience from a developing country. *Perfusion* 2010; 25(2): 87-89
- 628.Sharif F. Murphy RT Current status of vulnerable plaque detection. *Catheterization and Cardiovascular Interventions* 2010; 75(1): 135-144).
- 629.Shaw A. Nunn J. The feasibility of an infrared system for real-time visualization and mapping of ultrasound fields. *Physics in medicine and biology* 2010; 55(11): N321-327
- 630.Shechter A. Varin F. Boivin DB Circadian variation of sleep during the follicular and luteal phases of the menstrual cycle *Sleep* 2010; 33(5): 647-656).
- 631.Shelton-Rayner GK Macdonald DW Chandler S. Robertson D. Mian R. Leukocyte reactivity as an objective means of quantifying mental loading during ergonomic evaluation *Cellular Immunology* 2010; 263(1): 22-30
- 632.Shen B. Makley DM Johnston JN Umpolung reactivity in amide and peptide synthesis *Nature* 2010; 465(7): 1027-1032.
- 633.Sherwood SC Huber M. An adaptability limit to climate change due to heat stress *Proceedings of the National Academy of Sciences of the United States of America* 2010; 107(21): 9552-9555.
- 634.Shibasaki M. Crandall CG Mechanisms and controllers of eccrine sweating in humans. *Frontiers in bioscience (Scholar edition)* 2010; 2 (685-696)
- 635.Shih S.-R. Li H.-Y. Hsiao Y.-L. Chang T.-C. The application of temperature measurement of the eyes by digital infrared thermal imaging as a prognostic factor of methylprednisolone pulse therapy for Graves' ophthalmopathy *Acta Ophthalmologica* 2010; 88(5): (e154-e159)
- 636.Shu Z. Kang X. Chen H. Zhou X. Purtteman J. Yadock D. Heimfeld S. Gao D. Development of a reliable low-cost controlled cooling rate instrument for the cryopreservation of hematopoietic stem cells *Cytotherapy* 2010; 12(2): 161-169
- 637.Siddik-Sayyid SM Saasouh WA Mallat CE Aouad MT Thermal burn following combined use of forced air and fluid warming devices: Correspondence *Anaesthesia* 2010; 65(6): 654-655
- 638.Siddiqui K. Chopra R. Sugar L. Haider M. Vedulas S. Boyes A. Bronskill MJ Klotz LH. Transurethral ultrasound therapy of the prostate guided by MRI derived real-time thermal mapping in localized prostate cancer patients: Early experience *European Urology, Supplements* 2010; 9(2): 297
- 639.Siddiqui K. Chopra R. Vedula S. Sugar L. Haider M. Boyes A. Musquera M. Bronskill M. Klotz L MRI-guided transurethral ultrasound therapy of the prostate gland using real-time thermal mapping: Initial studies. *Urology* 2010; 76(6): 1506-1511
- 640.Siegel M. Kan V. Varma A. Benator D. Successful treatment of invasive fusarium verticillioides infection with posaconazole in a man with acute myelogenous leukemia *Infectious Diseases in Clinical Practice* 2010; 18(1): 71-74
- 641.Silva EJ Wang W. Ronda JM Wyatt JK Duffy JF Circadian and wake-dependent influences on subjective sleepiness, cognitive throughput, and reaction time performance in older and young adults *Sleep* 2010; 33(4): 481-490.
- 642.Simmons GH Padilla J. Shear-induced vascular adaptations: Therapeutic insights and heterogeneity throughout the arterial tree *Journal of Physiology* 2010; 588(1): 4 (2527-2528)
- 643.Singer AJ Taira BR Thode Jr. HC McCormack JE Shapiro M. Aydin A. Lee C. The association between hypothermia, prehospital cooling, and mortality in burn victims *Academic Emergency Medicine* 2010; 17(4): 456-459
- 644.Skalik R. Wozniak W. Borodulin - Nadzieja L Thermoregulatory efficiency and cognitive performance are strong determinants of cardiopulmonary capacity in health and chronic heart failure. *European Journal of Heart Failure, Supplement* 2010; 9 (Suppl. 19): S226
- 645.Skein M. Duffield R The effects of fluid ingestion on free-paced intermittent-sprint performance and pacing strategies in the heat. *Journal of sports sciences* 2010; 28(3): 299-307
- 646.Sletten DM Weigand SD Low PA Relationship of Q-sweat to quantitative sudomotor axon reflex test (QSART) volumes *Muscle and Nerve* 2010; 41(2): 240-246
- 647.Slovackova J. Grochova D. Navratilova J. Smarda J. Smardova J. Transactivation by temperature-dependent p53 mutants in yeast and human cells *Cell Cycle* 2010; 9(11): 2141-2148
- 648.Smith ADH. Crabtree DR Bilzon J. LJ Walsh NP The validity of wireless iButtons® and thermistors for human skin temperature measurement *Physiological Measurement* 2010; 31(1): 95-114.
- 649.Smyth M. Comment *Neurosurgery* 2010; 66(2): 332
- 650.Sommer P. Hindricks G Prevention of oesophageal injury during catheter ablation of atrial fibrillation: Is monitoring of oesophageal temperature the solution? *Europace* 2010; 12(7): 911-912
- 651.Song X.J. Zhang D. Study on the manifestation of facial infrared thermography induced by acupuncture *Guangming (GB 37) and Hegu (LI 4). Chinese acupuncture & moxibustion* 2010; 30(1) 51-54
- 652.Sonna LA Hawkins L. Lissauer ME Maldeis P. Towns M. Johnson SB Moore R. Singh IS Cowan MJ Hasday JD Core temperature correlates with expression of selected stress and immunomodulatory genes in febrile patients with sepsis and noninfectious SIRS. *Cell stress & chaperones* 2010; 15(1): 55-66
- 653.Sparsa A. Faucher K. Sol V. Durox H. Boulinguez S. Doffoel-Hantz V. Calliste C.-A. Cook-Moreau J. Krausz P. Sturtz FG

Bedane C. Jauberteau-Marchan M.-O. Ratinaud M.-H. Bonnetblanc J.-M. Blue light is phototoxic for B16f10 murine melanoma and bovine endothelial cell lines by direct cytotoxic effect *Anticancer Research* 2010; 30(1): 143-148

654.Stafford RJ Fuentes D. Elliott AA Weinberg JS Ahrar K. Laser-induced thermal therapy for tumor ablation *Critical Reviews in Biomedical Engineering* 2010; 38(1): 79-100

655.Stapleton J. Gagnon D. Kenny GP Short-term exercise training does not improve whole-body heat loss when rate of metabolic heat production is considered *European Journal of Applied Physiology* 2010; 109(3): 437-446

656.Stauffer PR MacCarini P. Arunachalam K. Craciunescu O. Diederich C. Juang T. Rossetto F. Schlorff J. Milligan A. Hsu J. Sneed P Conformal microwave array (CMA) applicators for hyperthermia of diffuse chest wall recurrence. Vujaskovic Z. *International Journal of Hyperthermia* 2010; 26(7): 686-698

657.Stein C. Makkink A. Vincent-Lambert C. The effect of physical exertion in chemical and biological personal protective equipment on physiological function and reaction time *Prehospital Emergency Care* 2010; 14(1): 36-44

658.Stein EJ Glick DB Minhaj MM Drum M. Tung A. Relationship between anesthetic depth and venous oxygen saturation during cardiopulmonary bypass *Anesthesiology* 2010; 113(1): 35-40

659.Stelfox HT Straus SE Ghali WA Conly J. Laupland K. Lewin A Temporal artery versus bladder thermometry during adult medical-surgical intensive care monitoring: An observational study. *BMC Anesthesiology* 2010; 10 Article Number: 13.

660.Sternick EB Gerken LM Scarpelli RB Soares FC Cooling with near-freezing saline improves efficacy of cool-tip radiofrequency catheter ablation *Heart Rhythm* 2010; 7(7): 983-986

661.Stocker SL Franklin ME Anderson JM Pillans PI Williams KM McLachlan AJ Day RO Taylor PJ Measurement of urinary oxypurinol by high performance liquid chromatography-tandem mass spectrometry *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences* 2010; 878(2)(5): 2363-2368

662.Streff A. Kuehl LK Michaux G. Anton F Differential physiological effects during tonic painful hand immersion tests using hot and ice water. *European Journal of Pain* 2010; 14(3): 266-272

663.Streitparth F. Walter T. Schnackenburg B. Wonneberger U. Rump J. De Bucourt M. Hamm B. Teichgraber U Guidance and thermometry of laser diskectomies in an open high-field MRI. *CardioVascular and Interventional Radiology* 2010; 33(Suppl. 2) 202-203

664.Strohm B. Azzopardi D. Temperature control during therapeutic moderate whole-body hypothermia for neonatal encephalopathy *Archives of Disease in Childhood: Fetal and Neonatal Edition* 2010; 95(5):F373-F375

665.Sugui JA Vinh DC Nardone G. Shea YR Chang YC Zelazny AM Marr KA Holland SM Kwon-Chung KJ Neosartorya udagawae (*Aspergillus udagawae*), an emerging agent of Aspergillosis: How different is it from *Aspergillus fumigatus*? *Journal of Clinical Microbiology* 2010; 48(1): 220-228

666.Sun H. Mikula E. Kurtz RM Juhasz T. Temperature increase in human cadaver retina during direct illumination by femto-second laser pulses *Journal of Refractive Surgery* 2010; 26(4): 272-277

667.Sund-Levander M. Grodzinsky E. What is the evidence base for the assessment and evaluation of body temperature? *Nursing times* 2010; 106(1): 10-13

668.Suzuki T. Wada K. Wada Y. Kagitani H. Arioka T. Maeda K. Kida K. The validity of mass body temperature screening with ear thermometers in a warm thermal environment *Tohoku Journal of Experimental Medicine* 2010; 222(2): 89-95.

669.Svrcek J. Marhoul A. Kacer P. Kuzma M. Panek L. Cerveny L The influence of operating conditions on the efficiency of vapor phase hydrogen peroxide in the degradation of 4-(dimethyl-amino)benzaldehyde. *Chemosphere* 2010; 81(5): 617-625

670.Sweet DG Carnielli V. Greisen G. Hallman M. Ozek E. Plavka R. Saugstad OD Simeoni U. Speer CP Halliday HL European consensus guidelines on the management of neonatal respi-

ratory distress syndrome in preterm infants - 2010 update *Neonatology* 2010; 97(4): 402-417

671.Tabarean I. Morrison B. Marcondes MC Bartfai T. Conti B. Hypothalamic and dietary control of temperature-mediated longevity *Ageing Research Reviews* 2010; 9(1): 41-50

672.Takahashi S. Kakiuchi S. Nanba Y. Tsukamoto K. Nakamura T. Ito Y. The perfusion index derived from a pulse oximeter for predicting low superior vena cava flow in very low birth weight infants *Journal of Perinatology* 2010; 30(4): 265-269

673.Takano M. Kimura E. Suzuki S. Nagai J. Yumoto R. Human Erythrocyte Nucleoside Transporter ENT1 Functions at Ice-cold Temperatures *Drug Metabolism and Pharmacokinetics* 2010; 25(4): 351-360.

674.Tanaka K. Tohnan M. Abe C. Iwata C. Yamagata K. Tanaka M. Tanaka N. Morita H. Development and evaluation of gas-pressurized elastic sleeves for extravehicular activity *Aviation Space and Environmental Medicine* 2010; 81(7): 671-676

675.Tanaka S. Tanaka K. Morioka K. Yamada N. Takamori A. Handa M. Ihaya A. Sasaki M. Ikeda T. Thrombosed abdominal aortic aneurysm associated with an extensively "shaggy" aorta repaired anatomically via a thoracoabdominal approach with supraceliac aortic clamping: Report of a case *Surgery Today* 2010; 40(9): 866-870

676.Taniguchi Y. Ali SZ Kimberger O. Zmoos S. Lauber R. Markstaller M. Kurz A. The effects of nefopam on the gain and maximum intensity of shivering in healthy volunteers *Anesthesia and Analgesia* 2010; 111(2): 409-414

677.Terkelsen AJ Jensen TS A human experimental immobilization model and complex regional pain syndrome *European Journal of Pain Supplements* 2010; 4(1): 22-23

678.Terraz S. Cernicanu A. Lepetit-Coiffe M. Viallon M. Salomir R. Mentha G. Becker CD Radiofrequency ablation of small liver malignancies under magnetic resonance guidance: Progress in targeting and preliminary observations with temperature monitoring *European Radiology* 2010; 20(4): 886-897.

679.Thim T. Human-like atherosclerosis in minipigs: A new model for detection and treatment of vulnerable plaques *Danish Medical Bulletin* 2010; 57(7):

680.Thomas DR Does pressure cause pressure ulcers? An inquiry into the etiology of pressure ulcers *Journal of the American Medical Directors Association* 2010; 11(6): 397-405

681.Timmermans J. Nicol A. Kairinos N. Teijink J. Prins M. Navsaria P. Predicting mortality in damage control surgery for major abdominal trauma *South African Journal of Surgery* 2010; 48(1): 6-9

682.Tisherman SA Drabek T. Editorial: Can an ice cream headache save your life? *Critical Care Medicine* 2010; 38(3): 1006-1007

683.Tobalem M. Modarressi A. Elias B. Harder Y. Pittet B. Frostbite complicating therapeutic surface cooling after heat stroke *Intensive Care Medicine* 2010; 36(9): 1614-1615

684.Tochihara Y. Kumamoto T. Lee J.-Y. Hashiguchi Age-related differences in cutaneous warm sensation thresholds of human males in thermoneutral and cool environments *N. Journal of Thermal Biology* 2010;

685.Todd N. Payne A. Parker DL Model predictive filtering for improved temporal resolution in MRI temperature imaging. *Magnetic resonance in medicine : official journal of the Society of Magnetic Resonance in Medicine / Society of Magnetic Resonance in Medicine* 2010; 63(5): 1269-1279

686.Tokizawa K. Yasuhara S. Nakamura M. Uchida Y. Crawshaw LI Nagashima K. Mild hypohydration induced by exercise in the heat attenuates autonomic thermoregulatory responses to the heat, but not thermal pleasantness in humans *Physiology and Behavior* 2010; 100(4): 340-345

687.Tosti R. Ilyas AM Empiric Antibiotics for Acute Infections of the Hand *Journal of Hand Surgery* 2010; 35(1): 125-128

688.Tourula M. Isola A. Hassi J. Bloigu R. Rintamaki H. Infants sleeping outdoors in a northern winter climate: Skin temperature and duration of sleep. *Acta Paediatrica, International Journal of Paediatrics* 2010; 99(9): 1411-1417

689.Toutouzas K. Drakopoulou M. Synetos A. Stathogiannis K. Klonaris C. Liasis N. Grassos C. Siores E. Tsiamis E. Stefanadis

- C. Non-invasive detection of local inflammatory activation in atherosclerotic carotid arteries: First clinical application of microwave radiometry *European Heart Journal* 2010; 31 SUPPL. 1 (501-502)
690. Tribukait A, Nobel G, Mekjavic IB, Eiken O. Effects of anti-histaminic and anti-cholinergic substances on human thermoregulation during cold provocation *Brain Research Bulletin* 2010; 81(1): 100-106.
691. Tsai M.-K., Chen I., Wang C.-C., Shiang J.-C. Colon perforation as a critical complication of exertional heat stroke *Internal Medicine* 2010; 49(2):2 (2473-2476).
692. Tsarouhas K, Papalexis P, Kafantaris I, Tsitsimpikou C, Vavetsi S, Rentoukas E. Electrocardiographic findings compatible with Brugada syndrome in a patient with febrile respiratory infection. *Hippokratia* 2010; 14(3): 221-223).
693. Tuggle DE, Smith K. Cutaneous Burns From a Surgical Headlight Beam: A Case Report, Review of the Literature, and Evaluation of Surface Temperature at Different Working Lengths From Surgical Headlights *Journal of Oral and Maxillofacial Surgery* 2010; 68(1): 176-178
694. Tuzgen S, Dursun S, Abuzayed B. Electrical skin resistance and thermal findings in patients with lumbar disc herniation *Journal of Clinical Neurophysiology* 2010; 27(4): 303-307
695. Tzen Y.-T., Brienza DM, Karg P, Loughlin P. Effects of local cooling on sacral skin perfusion response to pressure: Implications for pressure ulcer prevention *Journal of Tissue Viability* 2010; 19(3): 86-97
696. Unubol M. Author's reply *Anadolu Kardiyoloji Dergisi* 2010; 10(6): 559
697. Urbano J, Cruzado V, Lopez-Herce J, Del Castillo J, Bellon JM, Carrillo A. Accuracy of three transcutaneous carbon dioxide monitors in critically ill children *Pediatric Pulmonology* 2010; 45(5): 481-486
698. Van Bodegraven Hof EAM, Groeneweg GJ, Wesseldijk F, Huygen FJPM, Zijlstra FJ. Diagnostic criteria in patients with complex regional pain syndrome assessed in an out-patient clinic *Acta Anaesthesiologica Scandinavica* 2010; 54(7): 894-899
699. Van Der Wall EE, Schuijf JD, Bax JJ, Jukema JW, Schalij MJ. Fingertip digital thermal monitoring: A fingerprint for cardiovascular disease? *International Journal of Cardiovascular Imaging* 2010; 26(2): 249-252
700. Van Der Worp HB, MacLeod MR, Kollmar R. Therapeutic hypothermia for acute ischemic stroke: Ready to start large randomized trials *Journal of Cerebral Blood Flow and Metabolism* 2010; 30(6): 1079-1093
701. Van Der Zee J, De Bruijne M, Mens J, WM Ameziane A, Broekmeyer-Reurink MP, Drizdal T, Linthorst M, Van Rhoon GC. Reirradiation combined with hyperthermia in breast cancer recurrences: Overview of experience in Erasmus MC *International Journal of Hyperthermia* 2010; 26(7): 638-648
702. Van Haren F, GAM, Driessen JJ, Kadic L, Van Egmond J, Booi L, HDJ, Scheffer GJ. The relation between skin temperature increase and sensory block height in spinal anaesthesia using infrared thermography *Acta Anaesthesiologica Scandinavica* 2010; 54(9): 1105-1110
703. Van Hoek F, Scheltinga MR, Houterman S, Beerenhout CH. Haemodialysis decreases finger pressures independent of artificial kidney blood flow *Nephrology* 2010; 15(5): 555-559
704. Van Someren EJW. Skin temperature level predicts vigilance lapses and improves actigraphic sleep estimate accuracy. *Journal of Sleep Research* 2010; 19 SUPPL. 2 (68)
705. Van Vliet M, Donnelly JP, Potting C, MJ Blijlevens NMA. Continuous non-invasive monitoring of the skin temperature of HSCT recipients *Supportive Care in Cancer* 2010; 18(1): 37-42
706. Vanos JK, Warland JS, Gillespie TJ, Kenny NA. Review of the physiology of human thermal comfort while exercising in urban landscapes and implications for bioclimatic design *International Journal of Biometeorology* 2010; 54(4): 319-334
707. Varon J, Nanlohy S. Therapeutic hypothermia in the year 2010: It is about time! *Critical Care and Shock* 2010; 13(2): 38-39
708. Vecchiarelli P, Ricci F, Riccini T. Terlipressin as Rescue Therapy in Catecholamine-Resistant Hypotension in Solid Organ Donors: A Case Report. *Transplantation Proceedings* 2010; 42(1): 203-205
709. Viallon M, Terraz S, Roland J, Dumont E, Becker CD, Salomir R. Observation and correction of transient cavitation-induced PRFS thermometry artifacts during radiofrequency ablation, using simultaneous Ultrasound/MR imaging *Medical Physics* 2010; 37(4): 1491-1506
710. Vieira Dos Santos R, Magerl M, Martus P, Zuberbier T, Church MK, Escribano L, Maurer M. Topical sodium cromoglicate relieves allergen- and histamine-induced dermal pruritus. *British Journal of Dermatology* 2010; 162(3): 674-676
711. Vignatelli L, Masetti S, Amore M, Laterza C, Mattarozzi K, Pierangeli G, Cortelli P, Vandi S, Vetrugno R, Plazzi G, Montagna P. Insomnia cycling with a 42-day infradian period: Evidence for two uncoupled circadian oscillators? *Sleep Medicine* 2010; 11(4): 343-350
712. Viljoen J, Gampini S, Danaviah S, Valea D, Pillay S, Kania D, Meda N, Newell M.-L., Van De Perre P, Rouet F. Dried blood spot HIV-1 RNA quantification using open real-time systems in South Africa and Burkina Faso *Journal of Acquired Immune Deficiency Syndromes* 2010; 55(3): 290-298.
713. Vince RV, Oliver K, Midgley AW, McNaughton LR, Madden LA. In vitro heat shock of human monocytes results in a proportional increase of inducible Hsp70 expression according to the basal content. *Amino acids* 2010; 38(5): 1423-1428
714. Wa CV, Maibach HI. Mapping the human face: Biophysical properties *Skin Research and Technology* 2010; 16(1): 38-54
715. Wade RG, Dziewulski P, Philp BM. The role of an ingestible telemetric thermometer in preventing exertional heat stroke, for a patient with healed massive burns running the 2007 London marathon *Burns* 2010; 36(6): (e119-e125)
716. Wallwiener CW, Rajab TK, Kramer B, Isaacson KB, Brucker S, Wallwiener M. Quantifying Electrosurgery-Induced Thermal Effects and Damage to Human Tissue: An Exploratory Study with the Fallopian Tube as a Novel In-Vivo In-Situ Model *Journal of Minimally Invasive Gynecology* 2010; 17(1): 70-77
717. Wang J, Chang KJ, Chen C.Y., Chien KL, Tsai YS, Wu YM, Teng YC, Shih TT. Evaluation of the diagnostic performance of infrared imaging of the breast: a preliminary study. *Biomedical engineering online* 2010; 9:3
718. Wang Q, Lacher NA, Muralidhara BK, Schlittler MR, Aykent S, Demarest CW. Rapid and refined separation of human IgG2 disulfide isomers using superficially porous particles *Journal of Separation Science* 2010; 33(1):2671-2680
719. Wann S, Tunio J. Current challenges and future directions in cardiac imaging. *Journal of the Saudi Heart Association* 2010; 22(3): 121-124
720. Weant KA, Martin JE, Humphries RL, Cook AM. Pharmacologic options for reducing the shivering response to therapeutic hypothermia *Pharmacotherapy* 2010; 30(8): 830-841
721. Weiner JB, Haddad EV, Raj SR. Recovery following propofol-associated brugada electrocardiogram. *PACE - Pacing and Clinical Electrophysiology* 2010; 33(4): (e39-e42)
722. Weinert D. Circadian temperature variation and ageing. *Ageing Research Reviews* 2010; 9(1): 51-60
723. Weldemichael DA, Grossberg GT. Circadian rhythm disturbances in patients with Alzheimer's disease: A review *International Journal of Alzheimer's Disease* 2010; Article Number: 716453.
724. Werken M, VD, Gimenez MC, Vries BD, Beersma DGM, Van Someren EJW, Gordijn MCM. Effects of artificial dawn on sleep inertia, skin temperature, and the awakening cortisol response: Sleep inertia. *Journal of Sleep Research* 2010; 19(3): 425-435
725. Werner J. System properties, feedback control and effector coordination of human temperature regulation *European Journal of Applied Physiology* 2010; 109(1): 13-25
726. West PL, McKeown NJ, Hendrickson RG. Methamphetamine Body Stuffers: An Observational Case Series *Annals of Emergency Medicine* 2010; 55(2): 190-197
727. Westlund KN, Kochukov M.Y., Lu Y., McNearney TA. Impact of central and peripheral TRPV1 and ROS levels on pro-

inflammatory mediators and nociceptive behavior *Molecular Pain* 2010; 6 Article Number: 46.

728. Wijers S.L.J. Saris WHM. Van Marken Lichtenbelt WD Cold-induced adaptive thermogenesis in lean and obese *Obesity* 2010; 18(6): 1092-1099

729. Wilkins BW Bring on the heat: Transient receptor potential vanilloid type-1 (TRPV-1) channels as a sensory link for local thermal hyperaemia *Journal of Physiology* 2010; 588(2):1 4065-4065

730. Wingo JE Matthew Brothers R. Del Coso J. Crandall CG Intradermal administration of ATP does not mitigate tyramine-stimulated vasoconstriction in human skin *American Journal of Physiology - Regulatory Integrative and Comparative Physiology* 2010; 298(5): (R1417-R1420)

731. Wishart GC Campisi M. Boswell M. Chapman D. Shackleton V. Iddles S. Hallett A. Britton The accuracy of digital infrared imaging for breast cancer detection in women undergoing breast biopsy *PD European Journal of Surgical Oncology* 2010; 36(6): 535-540

732. Wong BJ Fieger SM Transient receptor potential vanilloid type-1 (TRPV-1) channels contribute to cutaneous thermal hyperaemia in humans *Journal of Physiology* 2010; 588(2):1 (4317-4326)

733. Wonneberger U. Schnackenburg B. Streitparth F. Walter T. Rump J. Teichgraber UKM Evaluation of magnetic resonance imaging-compatible needles and interactive sequences for musculoskeletal interventions using an open high-field magnetic resonance imaging scanner. *CardioVascular and Interventional Radiology* 2010; 33(2): 346-351

734. Wonneberger U. Schnackenburg B. Wlodarczyk W. Rump J. Walter T. Streitparth F. Teichgraber UKM. Evaluation of thermometric monitoring for intradiscal laser ablation in an open 1.0 T MR scanner *International Journal of Hyperthermia* 2010; 26(4): 295-304

735. Worek F. Eyer P. Aurbek N. Thiermann H Kinetic analysis of oxime interactions with acetylcholinesterase as a basis for the evaluation of oxime efficacy in organophosphate poisoning. *Current Bioactive Compounds* 2010; 6(1): 16-22

736. Wright HE Selkirk GA McLellan TM HPA and SAS responses to increasing core temperature during uncompensable exertional heat stress in trained and untrained males *European Journal of Applied Physiology* 2010; 108(5): 987-997

737. Wylie L. Why the proliferation of non-medical breast imaging matters *Journal of Medical Imaging and Radiation Oncology* 2010; 54 SUPPL. 1 (A53)

738. Yagi S. Akaike M. Iwase T. Kusunose K. Niki T. Yamaguchi K. Koshihara K. Yoshida S. Sumitomo-Ueda Y. Aihara K. Hirata Y. Dagvasumberel M. Taketani Y. Tomita N. Yamada H. Soeki T. Wakatsuki T. Matsumoto T. Sata M. Bosentan ameliorated exercise-induced pulmonary arterial hypertension complicated with systemic sclerosis *Internal Medicine* 2010; 49(2):1 2309-2312.

739. Yalcin SS Aydemir O. Erkul E. Karabulut E. Akca T. The factors that have a role in variability for temperature *Journal of Tropical Pediatrics* 2010; 56(1): 53-59

740. Yamada K. Sakai K. Akazawa K. Yuen S. Sugimoto N. Sasajima H. Mineura K. Nishimura T Moyamoya patients exhibit higher brain temperatures than normal controls. *Neuro Report* 2010; 21(1)(3): 851-855).

741. Yamane M. Oida Y. Ohnishi N. Matsumoto T. Kitagawa K. Effects of wind and rain on thermal responses of humans in a mildly cold environment *European Journal of Applied Physiology* 2010; 109(1): 117-123)

742. Yanagisawa O. Fukubayashi T. Diffusion-weighted magnetic resonance imaging reveals the effects of different cooling temperatures on the diffusion of water molecules and perfusion within human skeletal muscle *Clinical Radiology* 2010; 65(1):1 (874-880)

743. Yang F. Cui Y. Wang K. Zheng J. Thermosensitive TRP channel pore turret is part of the temperature activation pathway *Proceedings of the National Academy of Sciences of the United States of America* 2010; 107(1)(5): 7083-7088).

744. Yang J. Chen AC Wu Q. Jiang S. Liu X. Xiong L. Xia Y The influence of temperature on 5-aminolevulinic acid-based photodynamic reaction in keratinocytes in vitro. *Photodermatology, photoimmunology & photomedicine* 2010; 26(2): 83-88

745. Ye X. Lian Z. Jiang C. Zhou Z. Chen H. Investigation of indoor environmental quality in Shanghai metro stations. *China Environmental Monitoring and Assessment* 2010; 167(1-4): 643-651

746. Yegorov D. Eiken O. Piset R. Biolo G. Di Prampero P. Narici M. Mekjavic IB Effect of 21 days of horizontal bed rest on behavioural thermoregulation *European Journal of Applied Physiology* 2010; 108(2): 281-288

747. Yoneshiro T. Aita S. Kawai Y. Furuhashi Y. Saito M. Brown adipose tissue is involved in thermogenic effects of capsinoids in humans *Obesity Reviews* 2010; 11 SUPPL. 1 (192)

748. Yoshida M. Watanabe Y. Sato M. Machara T. Aono H. Naohara T. Hirazawa H. Horiuchi A. Yukumi S. Sato K. Nakagawa H. Yamamoto Y. Sugishita H. Kawachi K. Feasibility of chemohyperthermia with docetaxel-embedded magnetoliposomes as minimally invasive local treatment for cancer *International Journal of Cancer* 2010; 126(8): 1955-1965.

749. Young GB Teitelbaum J. Editorial: Brain drain: Using the deep venous system to declare brain death *Canadian Journal of Neurological Sciences* 2010; 37(4): 429-430).

750. Zare N. Namdari M. Jahanpour F Comparison of axillary, tympanic and rectal body temperatures using a covariate-adjusted receiver operating characteristic approach. *Iranian Red Crescent Medical Journal* 2010; 12(3): 293-297).

751. Zeiner A. Klewer J. Sterz F. Haugk M. Krizanac D. Testori C. Losert H. Ayati S. Holzer M. Non-invasive continuous cerebral temperature monitoring in patients treated with mild therapeutic hypothermia: An observational pilot study *Resuscitation* 2010; 81(7): 861-866

752. Zhang C. Ma L. Peng F. Wu Y. Chen Y. Zhan Y. Zhang X Spontaneous gas gangrene of the scrotum in patient with severe diabetic ketoacidosis. *International Journal of Diabetes Mellitus* 2010; 2(3): 196-198

753. Zhang H.-D. He Y. Wang X. Shao H.-W. Mu L.-Z. Zhang J Dynamic infrared imaging for analysis of fingertip temperature after cold water stimulation and neurothermal modeling study. *Computers in Biology and Medicine* 2010; 40(7): 650-656

754. Zhang J.-T. Keller TF Bhat R. Garipcan B. Jandt KD A novel two-level microstructured poly(N-isopropylacrylamide) hydrogel for controlled release *Acta Biomaterialia* 2010; 6(1):0 (3890-3898)

755. Zhang W. Takahashi S. Miki T. Fujieda H. Ishida T. A Pilot Study Exploring the Effects of Reflexology on Cold Intolerance *JAMS Journal of Acupuncture and Meridian Studies* 2010; 3(1): 43-48

756. Zhu YJ Lu TJ A multi-scale view of skin thermal pain: from nociception to pain sensation. *Philosophical transactions. Series A, Mathematical, physical, and engineering sciences* 2010; 368(1): 521-559

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News in Thermology

Recent PhD related to infrared thermal imaging

Ricardo Ângelo Rosa Vardasca received at the Award Ceremony of the University of Glamorgan on 17th December 2010 the degree of Doctor of Philosophy for his thesis entitled: **“The effect of work related mechanical stress on the peripheral temperature of the hand.”**

(abstract on the following page)

About the author

Ricardo is a former computer science engineer from the Polytechnic Institute of Leiria (Portugal) and has also a BSc (hons) in Information Technology from the University of Glamorgan (UK). After his PhD work he became a lecturer in Computing Engineering Department at the Polytechnic Institute of Leiria (Portugal) in September 2009. One year after, immediately after obtaining his Ph.D award, he was appointed Adjunct Professor at the same institution. He is currently a researcher in health informatics at the Computer Science and Communication Research Centre at the Polytechnic Institute of Leiria (Portugal). His main teaching includes Medical Image Processing, Medicine Aided by Computers and Computer Programming modules for Health Informatics and Informatics Applied to Health Care module in Nursing. He is an invited Professor at the Faculty of Medicine at the University of Porto (Portugal) since February 2010. In November 2010 he was appointed as director of the Installation and Maintenance Network and Information Systems Specialisation and Technological Course.

Prof Dr Ricardo Vardasca holds a personal membership in the EAT and made an application to organise the next European Congress of Thermology in Leiria, Portugal

Publications by Ricardo Vardasca

VARDASCA, R., RING, E.F.J., PLASSMANN, P., JONES, C.D., **“Thermal Symmetry on Extremities of Normal Subjects”**, Proceedings of the 1st Research Student Workshop, Faculty of Advanced Technology, University of Glamorgan, March 2007, p14-18.

VARDASCA, R., BAJWA, U., **“Extracting Outlines of Hands from Thermal Images”**, Proceedings of the 2nd Research Student Workshop, Faculty of Advanced Technology, University of Glamorgan, October 2007, p12-16.

VARDASCA, R., **“Template Based Alignment and Interpolation Methods Comparison of regions of Interest in Thermal Images”**, Proceedings of the 3rd Research Student Workshop, Faculty of Advanced Technology, University of Glamorgan, March 2008, p21-24.

VARDASCA, R., RING, E.F.J., PLASSMANN, P., JONES, C.D., **“Thermal monitoring of hand stress during keyboard typing”**, Proceedings of 9th International conference on Quantitative InfraRed Thermography, July 2-5, 2008, Krakow-Poland, p169-174.

RING, E.F.J., VARDASCA, R., BAJWA, U., **“Monitoring Cooling Agents Applied to the Skin of Normal Sub-**



Dr Ricardo Vardasca and Prof Francis Ring at the Award Ceremony of the University of Glamorgan in December 2010.

jects by Quantitative Thermal Imaging”, Proceedings of 9th International conference on Quantitative InfraRed Thermography, July 2-5, 2008, Krakow- Poland, p129-134.

VARDASCA, R., BAJWA, U., **“Segmentation and Noise Removal on Thermographic Images of Hands”**, Thermology International, 18/3 (2008), p99-104.

VARDASCA, R., **“Hand Thermogram Standardisation with Barycentric Warp Model”**, Proceedings of the 4th Research Student Workshop, Faculty of Advanced Technology, University of Glamorgan, March 2009, p73-75.

BAJWA, U., VARDASCA, R., RING, E.F.J., PLASSMANN, P., **“Comparison of boundary detection techniques to improve image analysis in medical thermography”**, The Imaging Science Journal, Volume 58, Number 1, February 2010, p.12-19.

FELISBERTO, F., SILVA, R., DOMINGUES, P., VARDASCA, R., PEREIRA, A., **“A Performance-based Approach for Processing Large XML Files in Multicore Machines”**, Proceedings of the XML: Associated Technologies and Applications conference, Vila do Conde, Portugal, 19th - 20th May 2010.

Thesis:

The effect of work related mechanical stress on the peripheral temperature of the hand

Ricardo VARDASCA

Medical Imaging Research Unit, Department of Computing and Mathematical Sciences,
Faculty of Advanced Technology
University of Glamorgan,
Wales, United Kingdom,
July 2010

Abstract

The evolution and developments in modern industry have resulted a wide range of occupational activities, some of which can lead to industrial injuries. Due to the activities of occupational medicine, much progress has been made in transforming the way that operatives perform their tasks. However there are still many occupations where manual tasks have become more repetitive, contributing to the development of conditions that affect the upper limbs. Repetitive Strain Injury is one classification of those conditions which is related to over of repetitive movement. Hand Arm Vibration Syndrome is a subtype of this classification directly related to the operation of instruments and machinery which involves vibration.

These conditions affect a large number of individuals, and are costly in terms of work absence, loss of income and compensation. While such conditions can be difficult to avoid, they can be monitored and controlled, with prevention usually the least expensive solution. In medico-legal situations it may be difficult to determine the location or the degree of injury, and therefore determining the relevant compensation due is complicated by the absence of objective and quantifiable methods.

This research is an investigation into the development of an objective, quantitative and reproducible diagnostic procedure for work related upper limb disorders. A set of objective mechanical provocation tests for the hands have been developed that are associated with vascular challenge. Infrared thermal imaging was used to monitor the temperature changes using a well-defined capture protocol. Normal reference values have been measured and a computational toolshed to facilitate the process and standardise image processing. These objective tests have demonstrated good discrimination between groups of healthy controls and subjects with work related injuries but not individuals, $p < 0.05$, and are reproducible. A maximum value for thermal symmetry of $0.5 \pm 0.3^\circ\text{C}$ for the whole upper limbs has been established for use as a reference.

The tests can be used to monitor occupations at risk, aiming to reduce the impact of these conditions, reducing work related injury costs, and providing early detection. In a medico-legal setting this can also provide important objective information in proof of injury and ultimately in objectively establishing whether or not there is a case for compensation.

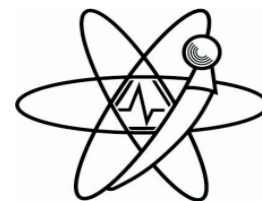
Meetings

2011



The Royal Photographic Society Imaging Science & Medical Groups

Co-sponsored by
The Institute of Physics and Engineering in Medicine

February 14th 2011

RECENT ADVANCES IN MEDICAL AND FORENSIC IMAGING

The Kohn Centre, The Royal Society, 6 Carlton House Terrace, London

Programme

Registration 9.15 to 10am.

10.00 Welcome by Sir Ralph Kohn FRS

10.10 *Has Digital Technology Subverted the Truth in Photographic Evidence?*

Hoosain Ebrahim, University of Limpopo, South Africa

10.40. *3D Imaging in Forensic Odontology*

Samuel Evans, Illustration Unit, School of Dentistry, Cardiff University.

11.00 - 11.30 Coffee break

11.30 *The Imaging and Mechanisms of Non-accidental Injuries in Infants -*Prof. N.Ebrahim,
Dpt of Radiography, University of Limpopo, South Africa12.00 *An Integrated Multi-Modal Imaging Method for Skin Condition Inspection*Jiui Sun, Machine Vision Lab.
University of The West of England, Bristol12.30 *Microwave Breast Tumour Imaging, The Challenge of Resolution vs. Speed*

Prof. A.W Preece et al. University of Bristol.

Lunch

2.00 *Recent Advances in Security Screening*

Dr E.Morton Rapiscan Systems, Guildford.

2.30 *Tomographic Imaging with Cosmic Ray Muons for Security Screening*

C.Steer. S.Quillin, L.Cox. AWE, Reading Berks.

3.00 *Latent Fingerprint Detection with Novel Fluorescent Dyes -*Dr Jari Louhelainen, Dpt Biochemistry& Molecular Biology
University of Helsinki, Finland3.30 *Investigation of Infrared Fluorescence of Fingerprint Dyes through Imaging*Rebecca Smith, John Smith, Stephen Bleay,
University of Westminster and Home Office Development
Branch, London4.00 *Examination of Drugs Transfer using TOF-SIMS -*Prof M.I. Szykowska, A. Parczewski Institute of Chemistry,
Technical Univ. Lodz Poland4.30 *New Developments in Infrared Thermal Imaging Systems*Prof. Roderick Thomas, Metropolitan University of Wales,
Swansea, and TWA Neath, South Wales.

5.00 Close

Registration fees: Full £125.. students/retired £65 / Members £105/ student members £60

Registration form can be found at www.rps-isg



www.equine-thermography.nl

Equine Thermography Course Program

March 24 – March 27, 2011

Language: English

Specific topics subject to change

Thursday March 24th 2011

Registration: 1:00PM – 2:00PM (with coffee/tea and lunch buffet)

Afternoon Session

2:00PM – 2:15PM Welcome - P. Ooms, DVM

2:15PM – 3:15PM All you need to know about infrared radiation. - G. Rentmeesters

3:15PM – 3:40PM Possibilities of Equine Thermography

3:40PM – 4:00PM Break

4:00PM – 5:00PM All you need to know about cameras, pixels and lenses - G. Rentmeesters

Friday March 25th 2011

Morning Session

8:30AM – 8:45AM *Welcome (with coffee and tea)*

8:45AM – 9:30AM History of Thermal Imaging and Instrumentation in Veterinary Medicine – T. Turner, DVM

9:30AM – 10:30AM Obtaining thermal images on equine patients, techniques and safety – T. Turner, DVM

10:30AM – 11:00AM Break

11:00AM – 11:30AM Normal Equine Thermographic Examination – T. Turner, DVM

11:30AM – 12:00AM Dynamic Examinations using the High Speed Treadmill – T. Turner, DVM

12:00PM – 1:30PM Lunch

Afternoon Session

1:30PM – 2:30PM Artifacts in the Thermographic Exam – T. Turner, DVM

2:30PM – 3:15PM Utilizing routine thermal examinations as a means of early injury detection of racing Thoroughbreds - T. Turner, DVM

3:15PM – 3:45PM Break

3:45PM – 4:45PM Saddle Fit – T. Turner, DVM

Saturday March 26th 2011

Morning Session

8:30AM – 8:45AM Welcome (with coffee and tea)

8:45AM – 11:00AM Thermal Imaging in Veterinary Medicine Today – T. Turner, DVM

11:00AM – 11:30AM Break

11:30AM – 12:15PM Thermography of the equine foot – T. Turner, DVM

12:15PM – 1:45PM Lunch

Afternoon Session

1:45PM – 2:45PM Thermography of equine tendons and ligaments – T. Turner, DVM

2:45PM – 3:15PM Thermography of show jumpers, hypersensitivity prevention – T. Turner, DVM

3:15PM – 3:45PM Break

3:45PM – 4:45PM Thermographic assessment of equine joints – T. Turner, DVM

Sunday March 27th 2011

Morning Session

8:30AM – 8:45AM Welcome (with coffee and tea)

8:45AM – 10:45AM Back and muscular conditions – T. Turner, DVM

10:45AM – 11:15AM Break

11:15AM – 12:15PM Research Update – T. Turner, DVM

12:15PM – 1:45PM Lunch

Afternoon Session

1:45PM – 2:15PM Thermography and performance wellness – T. Turner, DVM

2:15PM – 3:15PM Case Studies – T. Turner, DVM

3:15PM – 3:45PM Break

3:45PM – 4:45PM Case Studies – T. Turner, DVM

5:00PM Adjourn course program (After completion of the entire course, you will receive a certificate of attendance.)

5:30PM – 7:30PM *Dinner*

March 18th-20th, 2011

15th National Congress of the Polish Association of Thermology in Zakopane

Abstract deadline: February 15th, 2010

Deadline for hotel reservation; March 1st, 2010

Registration fee: 200 €

Local organizing committee

Prof. Anna Jung (Chair)

Dr Janusz Zuber (deputy Chair)

Dr Boleslaw Kalicki mgr inż. Piotr Murawski

International Scientific Committee

Prof. A. Jung (Poland)

Prof. F. J. Ring (UK)

Prof. J. Mercer (Norway)

Prof. I. Benkő (Hungary)

Prof. K. Ammer (Austria)

Prof. B. Wiecek (Poland)

Prof. A. Nowakowski (Poland)

Registration fee for non Polish participants will be paid in cash on arrival at the conference.

Registration by e-mail is required before March 1st to ensure hotel reservation. After registration number is issued, delegates are committed to payment of the fee. Registration includes welcome dinner Saturday 19th – Lunch and accommodation. Extra night + breakfast Monday + 50 €

Accompanying person – 150 €

March in Zakopane is very attractive, being surrounded by the Tatra Mountains covered with snow. The International airport of Krakow, is a 2hr journey away. There is good connection from Krakow airport by railway to bus station in direct Zakopane

Further information

Prof Dr. Anna Jung

ajung@wim.mil.pl or a.jung@spencer.com

April 30th, 2011

CRPS/RSD & Thermal Imaging

South Carolina Society of Physical Medicine & Rehabilitation Scientific Session

South Carolina Medical Association Annual Meeting

Program Director: Dr. Robert Schwartz

Venue: Hyatt Regency Hotel, Greenville, South Carolina

Program

8:00am Welcoming remarks from the President of the SC Society of PM&R: **Dr Ashish Shanbhag, MD** (President Spartanburg County Medical Society, Medical Director, Palmetto Pain, PA, Spartanburg, SC).

8:15 Introduction of International Guest Professors:

Dr. Robert G. Schwartz, MD (Executive Director, SC Society of PM&R; President American Academy of Thermology; Medical Director, Piedmont Physical Medicine & Rehabilitation, PA & Bons Secours St. Francis Hospital Dept. Of PM&R, Greenville, SC)

8:30-10:30 Session 1: An overview of CRPS/RSD

Robert G. Schwartz, MD

Overview of CRPS/RSD Diagnosis & Treatment; AAT International Guidelines for NMSK Thermal Imaging

Kamayni Agarwal, MD (Professor, Dept. of Anesthesiology, University Medical Hospital Hamburg-Eppendorf; Medical Director, Center for Palliative Care and Pain Management, Hanseatic Care, Hamburg, Germany)
Anesthetic Approaches to the Patient with CRPS/RSD

10:30-10:45 Break

10:45-12:00pm Session 2: Importance of Outcome Measurement in CRPS/RSD and other Sympathetic Pain Syndromes

Robert G. Schwartz, MD

TOS, Barre-Lieou and CRPS/RSD Look Alikes

Marcos Brioschi, MD, PhD (Professor Departments of Neurology and Thermal Imaging, University of Sao Paulo Medical School, Sao Paulo, Brazil; President, Brazilian Society of Thermology, Editor, The Journal of Pan American Thermology),
The University of Sao Paulo Post Graduate Training Program in Thermal Imaging; Medical Center Applications for Thermal Imaging in the Brazilian Health System.

12:00pm-1:30pm Lunch (on your own, around town)

1:30pm-3:30pm Session 3: Vasomotor Monitoring, Statistical Reliability and Vascular Considerations in Sympathetic Pain Syndromes.

Ho-Yeol Zhang, MD, PhD (Professor, Yonsei University College of Medicine, Seoul, S. Korea; Clinical fellow, Neurosurgery, Yongdong Severance Hospital, Yonsei University College of Medicine; President, Korean Society of Thermology, Patents: Cervical Artificial Disc and Cervical Intervertebral Cage)

Statistical Reliability and Vasomotor Considerations in Degenerative Spinal Diseases

Hisashi Usiki, MD, PhD, (Professor of Surgical Oncology, Kagawa University Hospital, Japan; Director of Surgery, Kagawa University Hospital, Japan; Past President, Japanese Association of Thermology; Editorial Board, Thermology International).

The Role of Thermal Imaging in Breast Oncology and Other Surgical Patients.

Srini Govindan, MD (Professor of Neurology, West Virginia Medical Center, Morgantown, West Virginia, Board Certified in Neurology, Executive Director, American Academy of Thermology, Medical Director, Neuro-diagnostics, Inc, Wheeling, W. Virginia),
Impact of Vasomotor Status from Pharmacologic Agents

3:30- 3:45 Break

3:45-5:00pm: Session 4: Infrared Thermal Imaging in Surgical and Other Applications

Kamayni Agarwal, MD

The Role of Thermal Imaging in Traditional Chinese Medicine

Ashish Shanbhag, MD

Spinal Cord Stimulation and Thermal Imaging in Sympathetic Pain Syndromes

Kurt Heitman, MD (Fellow, American Academy of Ophthalmology; Past President, South Carolina Society of Ophthalmology; Ophthalmologist, Southern-Eye, Greenville, SC)
Ophthalmic Considerations in patients with CRPS/RSD

Information: www.piedmontpmr.com

17-19th June 2011

2nd International Consensus and Guidelines on Medical Thermology Meeting in Sao Paolo combined with International Interdisciplinary Pain Congress of USP.

Information: www.cindorusp.com

July 6th-8th, 2011

17th International Conference on Thermal Engineering and Thermogrammetry (THERMO) at the Budapest University of Technology and Economics (BME), Budapest, XI .Müegyetem rkpt.3., Hungary

THE CONFERENCE ORGANIZER:

Branch of Thermal Engineering and Thermogrammetry (TE and TGM),

Hungarian Society of Thermology (HST) at MATE, European Association of Thermology (EAT),

CALL FOR PAPERS

The photocopy-ready papers(for CD-ROM presentation) of max. ten A4 format pages to be presented on the conference are to be submitted before 15 February, 2011. To assist the work of the Scientific Committee the authors are kindly requested to point out the aim, method and results of their work in the summary to be provided according to the typing instructions.

Notification of the acceptance of abstracts will be forwarded to the authors until 30 December, 2010. The full text of all accepted papers will be included the CD-ROM Proceedings to be presented to the participants at the Conference.

INFORMATION

Application Forms and abstracts/papers should be sent to:

Dr. Imre BENKÖ,

MATE Secretariat, House of Technology, III. 318.

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E-mail: mate@mate-net.hu,

2011: www.mate-net.hu/03menu/03index.htm and

for previous 16th THERMO

www.mate.mtesz.hu/eng/Pages/2009/THERMO2009/index.php

EAT :www.europeanthermology.com (upcoming events)

For any further information and personal inquiries please contact the following address

Dr. Imre BENKÖ,

H-1112 Budapest, Cirmos u. 1, 6/38, Hungary

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P.S.: The organizers strongly recommend Internet exchange: e-mail for abstract to: ibenko@freestart.hu

Authors are requested to provide electronic version of their abstract (two pages, A4 format for **printed Volume**) as . doc attached file to:

ibenko@freestart.hu and mate@mate-net.hu

July 11th - 13th 2011

8th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics (HEFAT2011 in Mauritius)

This is the First Call for Papers.

Conference website: <http://www.hefat.net>

Important dates

Abstract and full paper deadline: 15 February 2011

Notification of acceptance of full papers: 31 March 2011

Deadline for submission of final or revised paper: 15 April 2011

Further information

Prof Josua P Meyer

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Pretoria

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November 12th, 2011

24rd Thermological Symposium of the Austrian Society of Thermology

Venue: Raddisson Blue Palais Hotel Vienna, Austria

Deadline for Abstracts: October 10th, 2011

Information

Prof K. Ammer, MD, PhD

Austrian Society of Thermology

Hernalser Hauptstr 209/14

Email: KAmmmer1950@aol.com

Dr. Kurt Ammer

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