ESHO 2019
33rd ANNUAL MEETING OF THE EUROPEAN SOCIETY FOR HYPERTHERMIC ONCOLOGY

22nd-25th May 2019
WARSAW

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dr hab. n. med. prof. nadzw. Lucjan Wyrwicz

Co-president
prof. dr hab. n. med. Piotr Rutkowski

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ESHO 2019 Congress Chairs

President
dr hab. n. med. prof. nadzw. Lucjan Wyrwicz
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w Warszawie | Warsaw

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Welcome to the ESHO 2019 annual meeting

It is the great pleasure on behalf of the Maria Skłodowska-Curie Institute - Oncology Center to welcome you to Warsaw, Poland for the 33rd Annual Meeting of the European Society for Hyperthermic Oncology to share the latest progress in research and clinical application of adding hyperthermia to radiotherapy and chemotherapy.

The Maria Skłodowska-Curie Institute - Oncology Center has been initiated by Maria Skłodowska-Curie and was originally founded as “Radium Institute” in 1932. Currently, it is the largest and most important oncology center in Poland providing all modern oncology treatments including superficial and deep hyperthermia. It also contributed to the recently closed Hyperthermia European Adjuvant trial for Pancreatic Cancer.

In several European countries the combination of radiotherapy and hyperthermia is considered regular care. In 2018 the results of two positive randomized clinical trials combining chemotherapy and hyperthermia were published. The first was published by van Driel et al. in the New England Journal of Medicine demonstrating an increased overall survival in patients with epithelial ovarian cancer. The second was published by Issels at al. in JAMA Oncology showing a gain of 11% in 5yrs overall survival for patients with localized high-risk soft tissue sarcoma.

The ESHO 2019 annual meeting has its focus on the clinical application of hyperthermia in combination with radiotherapy and systemic therapy for a wide range of tumor locations. The latest progress will be presented by an international group of distinguished researchers and clinicians in summary and key note presentations. The interdisciplinary sessions provides excellent opportunities to stay informed on the most recent biological, technological and medical advances in hyperthermia.

The organizers look forward to see you at the ESHO 2019 annual meeting and hope that you enjoy the scientific presentations, discussions and networking as well as find some free time to visit beautiful Warsaw.

Lucjan Wyrwicz
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ESHO 2019
LUNCH SYMPOSIA
MAY 23 & MAY 24

ESHO 2019

MAY 23
Deep RF Hyperthermia -
Technical Historical Review
Paul Turner, Pyrexar Medical

MAY 24
Present and Future
Hyperthermia Technology Evolution
Paul Turner, Pyrexar Medical

CHAIRS
Mark Falkowski
CEO Pyrexar Medical
Gerhard Sennewald
CEO Dr. Sennewald Medizintechnik GmbH
### Wednesday 22nd May 2019

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<td>Educational Day – part 1</td>
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<td>10:45-11:15</td>
<td>Coffee</td>
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<tr>
<td>11:15-12:15</td>
<td>Educational Day – part 2</td>
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<td>12:15-13:15</td>
<td>Lunch</td>
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<td>15:15-15:45</td>
<td>Coffee</td>
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<td>15:45-16:45</td>
<td>Educational Day – part 4</td>
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<td>17:00-17:35</td>
<td>Opening Ceremony</td>
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<td>17:35-18:55</td>
<td>Plenary Session</td>
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<td>19:00-20:30</td>
<td>Cocktail / Exhibitors Area</td>
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<td>Welcoming Coctail under the patronage of Dr. Sennewald Medizintechnik GmbH</td>
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### Thursday 23rd May 2019

<table>
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</table>
| 08:15-10:15 | Session 1
  Hyperthermia Quality Assurance |
| 10:15-10:45 | Coffee                                                               |
| 10:45-12:15 | Session 2
  Hyperthermia and immunotherapy |
| 12:15-13:30 | Lunch                                                                |
| 12:30-13:05 | Lunch Session                                                       |
| 13:30-15:00 | Session 3
  Tumor biology                                |
| 15:00-15:30 | Coffee                                                               |
| 15:30-17:00 | Session 4
  Chemo-radiosensitization                      |
| 17:00-18:30 | Award Session                                                        |
|           | Int. J. Hyperthermia Award                                           |
|           | ESHO young investigator Awards                                       |
|           | ESHO/Pyrexar Awards introduction                                     |
|           | ESHO/Pyrexar Award winner presentation                              |

### Thursday 23rd May 2019 (continued)

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<td>ESHO General Assembly</td>
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<td>PIK ROOM</td>
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<td>20:00-00:30</td>
<td>Gala Dinner under the patronage of Dr. Sennewald Medizintechnik GmbH</td>
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**Friday  24th May 2019**

08:45-10:40  Session 5  
Ongoing Clinical Studies

10:40-11:00  Coffee

11:00-12:30  Session 6  
FLASH poster presentations

12:30-13:45  Lunch

12:45-13:20  Lunch Session

13:45-15:25  Session 7  
Recent clinical trials

15:25-16:00  Coffee

16:00-17:40  Session 8  
MR-based hyperthermia

17:40-18:10  Closing Ceremony

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**WORKSHOPS**

**Saturday  25th May 2019**

09:00-11.45  Clinical application of hyperthermia with Celsius TCS device  
H. Sahinbas

11:45-12:00  Coffee break

12.00-13.00  Local hyperthermia with microwave antennae systems – superficial and deep heating  
T. Jasiurkowski and D. Droś

13:00-13:30  Treatment protocols for hyperthermia actually used in Warsaw Marie Curie Memorial Cancer Institute  
B. Lindner

13:30-14:30  Tour of specific hypertermia labs: BSD-500, BSD-2000 and Celsius TCS

Workshops in Warsaw Marie Curie Memorial Cancer Institute
Wednesday 22nd May 2019

08:45-09:45 Meta-analysis of clinical trials with hyperthermia
N.R. Datta

09:45-10:45 Hyperthermia heating devices
J. Crezee

10:45-11:15 COFFEE

11:15-12:15 Opportunities of HIFU for thermal therapy
H. Grüll

12:15-13:15 LUNCH

13:15-14:15 Magnetic fluid hyperthermia: Advances and challenges for its translation to the clinic
T. Samaras

14:15-15:15 Modelling HT-RT: BED and transient biological dose equivalent TBDE
S. Scheidegger

15:15-15:45 COFFEE

15:45-16:45 Molecular effects of hyperthermia
R. Kanaar
17:00-17:35 OPENING CEREMONY

Speech of congress president
dr hab. n. med. prof. nadzw. Lucjan Wyrwicz

Speech of congress v-president
prof. dr hab. n. med. Piotr Rutkowski

Speech of congress secretary
dr n. med. Andrzej Kukiełka

Speech of ESHO president
prof. EMV&H Gerard van Rhoon

17:35-18:55 PLENARY SESSION

17:35-18:15 Protons and hyperthermia: early clinical results
Z. Vujaskovic

18:15-18:55 Building an international forum to boost hyperthermia research
S. Bodis

19:00-20:30 COCKTAIL / EXHIBITORS AREA
Welcoming Coctail under the patronage of Dr. Sennewald Medizintechnik GmbH
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<td><strong>SESSION 1: HYPERTHERMIA QUALITY ASSURANCE</strong></td>
<td>CHAIRS: S. CURTO, H. DOBSICEK TREFNA</td>
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<td>08:15-08:35</td>
<td>Quality assurance guidelines for hyperthermia</td>
<td>H. Dobsicek Trefna</td>
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<tr>
<td>08:37-08:47</td>
<td>ESHO Quality Assurance guidelines for Interstitial Hyperthermia</td>
<td>J. Crezee</td>
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<td>08:49-08:59</td>
<td>Quality assurance assessment: are commercial MR-guided deep-pelvic hyperthermia devices ready for a large clinical trial?</td>
<td>S. Curto</td>
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<td>09:01-09:11</td>
<td>QA techniques for radiative deep hyperthermia systems: benefits and limitations of 1D, 2D and 3D techniques.</td>
<td>G. van Rhoon</td>
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<td>09:13-09:23</td>
<td>Optimized Helmet Applicator Design for Child Brain-Tumor Hyperthermia</td>
<td>M. Zanoli</td>
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<td>09:25-09:35</td>
<td>Comparison of electro-quasistatic and FDTD calculation methods for modeling of capacitive hyperthermia</td>
<td>T. Paessler</td>
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<td>09:37-09:47</td>
<td>Inverse source method for element position optimization in modular systems for deep regional hyperthermia</td>
<td>R. Poni</td>
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<td>09:49-09:59</td>
<td>SAR or temperature-based treatment planning as predictor for temperature changes after phase-amplitude steering during locoregional hyperthermia</td>
<td>P. Kok</td>
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<td>10:01-10:11</td>
<td>Standardization by a Universal Deep Hyperthermia Treatment Planning System</td>
<td>T. Drizdal</td>
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<td>10:15-10:45</td>
<td><strong>COFFEE</strong></td>
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10:45-11:05  Immunomodulation by hyperthermia in combination with radiotherapy
U. Gaipl

11:06-11:18  Immunomonitoring of patients with anal cancer treated with deep regional hyperthermia in combination with standard radiocemotherapy – first results of the HYCAN trial
A-J. Donaubauer
M. Hader

11:19-11:31  Immune-effects with local hyperthermia
A. Szasz

11:32-11:44  The reduction of the neutrophil / lymphocyte ratio (NLR) is associated with a complete response and disease-free survival in patients with non-invasive bladder cancer treated with intravesical neoadjuvant chemohyperthermia
D. Sousa

11:45-11:57  The effect of hyperthermia on Iscador-treated macrophages
H. M. Kozłowski

11:58-12:10  Can we monitor Immunogenic Cell Death (ICD) induced with modulated electrohyperthermia and oncolytic virus injections?
S. Van Gool

12:15-13:30  LUNCH

12:30-13:05  LUNCH SESSION
Deep RF Hyperthermia – Technical Historical Review
Paul Turner, Pyrexar Medical
CHAIRS:
Mark Falkowski, CEO Pyrexar Medical
Gerhard Sennewald, CEO Dr. Sennewald Medizintechnik GmbH
13:30-15:00 SESSION 3: TUMOR BIOLOGY
CHAIRS: M. Horsman, T.L.M ten Hagen

13:30-13:50 Hyperthermia: the optimal treatment to overcome tumor hypoxia
M. Horsman

13:51-14:03 Differential effects of modulated electro-hyperthermia on slow
and fast progressing triple negative breast cancers and the effects
of treatment protocol
P. Hamar

14:04-14:16 Co-evolving model parameter search using cell survival
and time-resolved comet data: A holistic view on the synergistic
effect of hyperthermia and radiotherapy
M. Weyland

14:17-14:29 Hyperthermia combined with PARP1-inhibition as radiosensitizer
in cervical cancer cells by affecting two DNA DSB repair pathways
M. IJff

14:30-14:42 Thinking out of the nanoparticle: Externally triggered smart
drug delivery systems demand chemotherapeutics with kinetics
superior for local delivery
T. L. M. ten Hagen

14:43-14:55 Does hyperthermia clinically alter the α/β? Insights from
thermoradiotherapy vs. radiotherapy trials
N. R. Datta

15:00-15:30 COFFEE
15:30-17:00 SESSION 4: CHEMO-RADIOSENSITIZATION
CHAIRS: R. FIETKAU, A. KUKIELKA

15:30-15:50 Combined interstitial radiotherapy with interstitial hyperthermia
A. Kukiełka

15:51-16:03 Molecular basis of modulated electro-hyperthermia combination with radio- and chemo-therapies
O. Szasz

16:04-16:16 Improving Hyperthermia-Based Anti-Cancer Treatments by Modulation of the Heat Shock Response
E. Scutigliani

16:17-16:29 Elevated apoptosis and tumor stem cell destruction in a radioresistant pancreatic adenocarcinoma cell line when radiotherapy is combined with modulated electro-hyperthermia
G. Fórika

16:30-16:42 Institutional variations in Hyperthermic Intraperitoneal Chemotherapy
R. Helderman

16:43-16:55 Can the combination of hyperthermia with low LET radiation have an equivalent anti-tumor effect as seen with high LET radiation alone?
P. Elming

17:00-18:30 AWARD SESSION
Int. J. Hyperthermia Awards by G.C. van Rhoon
ESHO young investigator Awards by G.C. van Rhoon
ESHO/Pyrexar Awards introduction by J. Crezee
ESHO/Pyrexar Awards winner presentation

20:00 GALA DINNER
Gala Dinner under the patronage of Dr. Sennewald Medizintechnik GmbH
08:45-10:40 SESSION 5: ONGOING CLINICAL STUDIES
CHAIRS: R. WESSALOWSKI, L. WYRWICZ

8:45-9:05 Hyperthermia in Poland
L. Wyrwicz

9:06-9:18 Focused ultrasound-induced hyperthermia as radiosensitizer for glioblastoma, prostate cancer and head and neck cancer cell lines
X. Zhang

M. A. Costa

9:32-9:44 Correlation between thermal dose and tumor control/ hyperthermia associated toxicity in recurrent breast cancer treated with thermoradiation
A. Bakker, J. Crezee

9:45-9:57 Feasibility study of the hyperthermia treatment planning software Hyperplan™ on the new BSD-2000 3D / MRI in a patient with high-risk soft tissue sarcoma of the lower extremity
B. Zilles

9:58-10:10 Evolution of Local-Regional and Whole-Body Hyperthermia in Portugal
J. Moreira-Pinto

10:11-10:23 The level of evidence for the medical indications of Whole-body hyperthermia (WBH) – Guideline for mild and fever-range WBH
H. Sahinbas

10:24-10:36 Susceptibility to hyperthermia treatment through CTCs study
P. Apostolou

10:40-11:00 COFFEE
11:00-12:30 SESSION 6: FLASH POSTER PRESENTATIONS
CHAIRS: A. BAKKER, P. WUST

12:30-13:45 LUNCH

12:45-13:20 LUNCH SESSION
Present and Future Hyperthermia Technology Evolution
Paul Turner, Pyrexar Medical
Chairs:
Mark Falkowski, CEO Pyrexar Medical
Gerhard Sennewald, CEO Dr. Sennewald Medizintechnik GmbH

13:45-15:25 SESSION 7: RECENT CLINICAL TRIALS
CHAIRS: M. FRANCKENA, P. RUTKOWSKI

13:45-14:05 Erlangen University: Results of RT+HT clinical trials
R. Fietkau

14:06-14:18 Proton therapy and hyperthermia in bulky, treatment-resistant extra-abdominal desmoid tumours
E. Stutz

14:19-14.31 Combined wIHA-hyperthermia and repeat re-irradiation (re-re-RT) in the management of re-recurrences of locally recurrent breast cancer
M. Notter

14:32-14:44 Effects of modulated electro-hyperthermia on disease control and 3 year disease-free survival in locally advanced cervical cancer patients: Preliminary results
C. Minnaar

14:45-14:57 Hyperthermia and radiation for locally advanced cervical carcinoma: temperature matters
M. Franckena

14:58-15:10 Thermochemoradiotherapy for locally advanced pancreatic cancers: A pilot study
N. R. Datta

15:11-15:23 Radiotherapy in combination with regional Hyperthermia for Salvage Treatment in refractory Childhood Cancer
R. Wessalowski
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<td>Progress of MR-guided thermal intervention for brain tumors</td>
<td>T. Niendorf</td>
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<td>16:21-16:33</td>
<td>Potential impact of MR-only treatment planning for MR guided deep pelvic hyperthermia</td>
<td>I. V. Boas-Ribeiro</td>
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<td>Thermal Therapy of the Porcine Pancreas in-vivo using MR-Guided HIFU</td>
<td>L. Sebeke</td>
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<td>17:00-17:12</td>
<td>MR thermometry validation and modeling of a 915 MHz annular phased-array in brain phantoms</td>
<td>P.F. Turner</td>
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<td>Physical rationale and empirical data about mEHT as a low resource setting to treat brain tumors</td>
<td>P. Wust</td>
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<td>17:26-17:38</td>
<td>Hyperthermia and radiation induced MR diffusion changes in brain glioma tumour treatment</td>
<td>L. Khalafi</td>
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17:40-18:10  CLOSING CEREMONY
NEW APPROACH IN CANCER TREATMENT

NanoTherm® Therapy

- Fighting cancer with nanomedicine
- NanoTherm® Therapy – a unique approach for focal treatment of solid tumors
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- **Prof. Dr. Stephan Scheidegger**, ZHAW School of Engineering, Medical biophysics, systems science in medicine, Winterthur, Switzerland
- **Prof. Dr. Gerard van Rhoon**, Erasmus Medical Center Rotterdam, Radiation Therapy, Rotterdam, The Netherlands
- **Prof. Dr. med. Zeljko Vujaskovic**, University of Maryland, Division of Translational Radiation Sciences, Baltimore, USA
- **Dr. hab. n. med. Lucjan Wyrwicz**, Centrum Onkologii Instytut Marii Skłodowskiej-Curie w Warszawie, Warszawa, Poland
POSTERS WITH PITCH

**PP01** M. Spałek - Radiotherapy combined with hyperthermia for locally advanced or metastatic melanoma: a single institutional experience

**PP02** M. Hader (DP Savcigil presents) - Impact of microwave-induced hyperthermia alone and in combination with radiotherapy on immunogenic potential of tumor cells of different tumor entities

**PP03** S. Van Gool - Modulated electrohyperthermia as part of immunogenic cell death treatment in pediatric neuro-oncology

**PP04** A. R. Thomsen - Monitoring of key parameters during thermography-controlled wIRA-hyperthermia in the treatment of superficial tumors

**PP05** D. Löke - Numerical models simulating drug penetration during HIPEC

**PP06** J. Pérez-Muñoz - Preliminary approximation to a new magnetic fields tolerance limit for antitumoral magnetic hyperthermia therapies.

**PP07** K. Sumser - Effect of discrete vasculature on head and neck hyperthermia treatment quality

**PP08** M. Ghaderi Aram - The UWB phased array applicator: novel cooling solutions

**PP09** L. Sebeke - In-vivo Validation of a Model-Based Control Algorithm for MR-HIFU Hyperthermia

**PP10** A. Karaszi - Modulated electro-hyperthermia as additional treatment option in oncology - feasibility study on quality-of-life, imaging and biomarkers to support treatment planning

**PP11** J. Karpowicz - Safety aspects of using hyperthermic oncology treatments by electromagnetic field in a medical environment

**PP12** J. Bosque Martínez - Radiation protraction and hyperthermia for IDH1-mutated diffuse WHO grade II gliomas: Predictions based on a mathematical model
POSTERS NO-PITCH

P01  T. Vancsik - Modulated electro-hyperthermia promotes doxorubicin cytotoxicity in a C26 colorectal carcinoma cell line model

P02  M. Machielse - Improvements in patient positioning for deep hyperthermia treatments

P03  A. Ameziane - New rooms - new assessment of staff exposure to em-fields during hyperthermia treatments

P04  D. Marder - Impact of electromagnetic stray radiation in the hyperthermia treatment room

P05  C. Schvarcz - Short term treatment with modulated electro-hyperthermia in triple negative breast cancer bearing mice

P06  L. Danics - Repeated treatment with modulated electro-hyperthermia inhibits tumor growth in a triple negative mouse breast cancer model

P07  I. Gresits - Non calorimetric hyperthermia measurements
GENERAL INFORMATION

Date:
22\textsuperscript{nd}-25\textsuperscript{th} May 2019 /Wednesday-Saturday/

Congress Venue:

22\textsuperscript{nd}-24\textsuperscript{th} May 2019
Warsaw Plaza Hotel
5 Łączyny St.,
02-820 Warsaw
phone number: +48 22 431 08 00

25\textsuperscript{th} May 2019
Hyperthermia workshops
Warsaw Marie Curie Memorial Cancer Institute
ul. Roentgena 5,
02-781 Warszawa

Congress office:
The congress office is located on level 0 of the Warsaw Plaza Hotel
*Please find on the floor plan /page 30/

Opening hours:

<table>
<thead>
<tr>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
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<tbody>
<tr>
<td>May 22\textsuperscript{nd} 7:45 AM-5:15 PM</td>
<td>May 23\textsuperscript{rd} 7:30 PM-6:30 PM</td>
<td>May 24\textsuperscript{th} 8:00 AM-6:00 PM</td>
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Official Language
The congress language is English. No simultaneous translation will be provided.
During Registration you will receive:

- A Folder with the program and congress materials
- Congress ID Badge
- Certificate of Participation
- Gala Dinner Invitation (if requested)

*In the event that the congress materials are lost, only an ID badge will be replaced.

Abstracts
All abstracts will be available as a pdf-file on the congress website www.esho2019.eu.
For safety purposes the PDF file is password protected. To access it, please use the following code: ESHOABSTRACTS2019

Congress ID Badge
Entrance will not be permitted to delegates who are not wearing their ID badge. For security reasons, all speakers, delegates, accompanying persons, and exhibitors are obliged to carry their badges throughout the congress. Delegates will be asked to show their badges upon entering workshop and session rooms.

Congress Folder
During registration, each participant will receive a Congress Folder with a complete set of Congress Materials.

Certificate of Participation
Conference participants are entitled to 22 educational points based on the Regulation of the Minister of Health of the Republic of Poland - October 6, 2004 on how to meet the professional development obligation of medical doctors and dentists, based on the approval of the Specialized and Continuing Education Committee of the TIP (Polish Society of Internal Medicine; reference number KKSU 61/2008) and in accordance with art 19 § 1 point 2 of the Act of 5 December 1996 on the professions of medical doctors and dentists.
CATERING AREAS

Coffee
Coffee and tea will be available during scheduled breaks in the Restaurants of the Warsaw Plaza Hotel.

Lunch
Lunch will be served in the Restaurants of the Warsaw Plaza Hotel, in the following times:

<table>
<thead>
<tr>
<th>Day</th>
<th>May 22nd</th>
<th>May 23rd</th>
<th>May 24th</th>
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</thead>
<tbody>
<tr>
<td>Wednesday</td>
<td>12:15 AM-1:15 PM</td>
<td>12:15 AM-1:30 PM</td>
<td>12:30 AM-1:45 PM</td>
</tr>
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</table>

*the abovementioned information is concerns Thursday and Friday only

For the Participants that take part in the Lunch Session we provide Lunch boxes. Once the Lunch session end we also invite you to the Restaurant for Lunch in designated time.

INFORMATION FOR SPEAKERS

Presentation Upload Center
The presentation upload and preview center is located on level 0 of the Warsaw Plaza Hotel

*Please find on the floor plan /page 30/

Speakers are kindly asked to deliver their presentations to the upload center not later than an hour before the start of the session, within which their speech is scheduled, for the purpose of ensuring their technical compatibility.

Parking for speakers
The parking for speakers is available and located at the back of the Warsaw Plaza Hotel.
Please state your name upon arrival.
MEETINGS OF SOCIETIES

ESHO Board meeting
Wednesday, May 22nd, 2:00 PM-4:30 PM
/Meeting Room 1 "PIK"/

PTHO General Meeting
Wednesday, May 22nd, 3:00 PM-4:45 PM
/Meeting Room 2 "KIER"/

ESHO General Assembly
Thursday, May 23rd, 6:30 PM-7:30 PM
/Meeting Room 1 "PIK"/

Int. J. of Hyperthermia meeting
Wednesday, May 22nd, 12:30 PM-1:30 PM
/Meeting Room 1 "PIK"/
OPENING CEREMONY

Date
Wednesday, May 22nd 2019, 5:00 PM

Venue
Lecture Hall
Warsaw Plaza Hotel, 5 Łączyny Street, 02-820 Warsaw

PROGRAM

Welcoming of the Guests
• Speech of congress president
dr hab. n. med. prof. nadzw. Lucjan Wyrwicz
• Speech of congress v-president
prof. dr hab. n. med. Piotr Rutkowski
• Speech of congress secretary
dr n. med. Andrzej Kukiełka
• Speech of ESHO president Prof. EMV&H
Gerard van Rhoon

Welcoming Coctail
under the patronage of Dr. Sennewald Medizintechnik GmbH
Wednesday, May 22nd, 7.00 PM- 8.30 PM
Cocktail with cold buffets for all guests in the exhibitors area.

GALA DINNER
under the patronage of Dr. Sennewald Medizintechnik GmbH

Date
Thursday, May 23rd, 8.00 PM-00.30 AM

Venue
Lecture Hall
Warsaw Plaza Hotel, 5 Łączyny Street, 02-820 Warsaw
The Real Gone Tones hail from Warsaw, Poland and play a mix of 50's rockabilly, rhythm'n'blues, rock'n'roll and country since 2011. The band performs their own material as well as covers of old, long forgotten tunes. Rockin' and kickin' it, making you bop and shout! Female and male vocals? Yes, sir! These two singin' devils are some real deal heartbreakers! They'll rock you out, up and down, so you better watch it, cats and dolls!

Who's in the band?
Marla Marvel - lead vocal and rhythm guitar, real hot momma with a glint of mischief in her eye! Gregory Pick - leading guitar, a fine young lad with some crazy music on his hands! Little Jim - double bass, big daddy-o with a crazy slap! Boppin' Bob - drums, he's fast and he means it! Simon Paco Núñez - second vocal and harmonica, don't get fooled by those puppy eyes, this boy's a devil in disguise!

In the beginning of the 2015 they released their first, long awaited album called "So Cool" which got the attention of El Toro's capo Carlos Diaz who offered them a recording deal. With the beginning of 2016 their second album, "Hot Mess", along with an EP album "Mean Mama" were released by El Toro Records. Their latest album, "Backseat Bingo" has been released on CD and LP along with an EP single, "Watch Out!" through El Toro Records in the late 2017 and beginning of 2018.

www.youtube.com/user/TheRealGoneTonesPL
www.facebook.com/TheRealGoneTones
Palace of Culture and Science
The Palace of Culture and Science is an architectural icon of Warsaw. Built by architect Lew Rudniew, at 778 ft. tall, the tower is the tallest building in Poland. The art-deco style palace services hundreds of companies and institutions including, cinemas, libraries, Collegium Civitas University, swimming pools, and a Congress Hall auditorium, used for conferences and concerts. The most popular tourist attraction of the Palace of Culture and Science is the viewing terrace. From here you can spot some Warsaw landmarks such as the Vistula River and National Stadium. While you are up there, take advantage of the quaint cafe and gift shop. Take a trip back down to the 2nd floor to experience “History Horizon," a 3D virtual reality tour guide. The application takes you on a 360° virtual tour of Warsaw through the centuries, from the 11th century all the way through until the Warsaw Uprising.

Warsaw Uprising Museum
Considered to be one of Warsaw’s most popular museums, the Warsaw Uprising Museum connects visitors to the history of those who died defending their beloved city against the German occupation in 1944. Visitors will leave with a deeper understanding of the desperate and difficult decision to resist German occupation, and learn about the consequences of such actions. Experience several floors of interactive and educational exhibits, filled with photographs, films, and personal accounts of the heroic insurgents.

Royal Castle
Beginning as a mere tower and several wooden buildings, the Royal Castle has existed in Warsaw since the 14th century. It has been the residence of kings, presidents, and members of parliament. The castle that exists today was built mostly in the 16th century by King Sigismund III, and underwent several renovations under subsequent kings. During World War II, an enormous portion of the castle was completely destroyed but has since been replicated. Visitors can view certain rooms in the castle facilitated by the Castle Museum.
WORTH VISITING IN WARSAW

St. John’s Archcathedral
Since its construction in the 14th century, St John’s Archcathedral has been a site of paramount historical significance. Many royal coronations, as well as burials have taken place here throughout the centuries. A visit to this historical church engages visitors with Warsaw’s religious past and present.
The enormous cathedral is a landmark in the narrow and winding streets of Old Town. Although having been destroyed during WWII, the cathedral has since been reconstructed to its full glory. Architects chose to recreate the church's earlier Gothic style architecture, as opposed to the Baroque style which had existed before its destruction. Although the interior was almost completely destroyed during WWI, several valuable artifacts managed to survive, including the 16th-century wooden crucifix still hangs there today. Stained glass windows line the interior, depicting significant events in Polish history.

Lazienki Park
Located in the center of Warsaw, Lazienki Park is the city's largest public park covering 76 hectares. The park was originally built as a bath park in the 17th century, and later it was revamped into the summer residence of King Stanislaw August. Today it serves the public as a venue for music, culture, iconic and historical architecture, and enjoying nature. No matter if you visit during Poland’s snowy winter, or in the blossoming spring, Lazienki Park has something to offer. Located within the park are several museums and buildings that are open year round. Begin with a visit to the Palace on the Isle. The palace was once a Baroque bathhouse pavilion before being transformed into the beautiful neoclassical palace it is today.

Fryderyk Chopin’s Museum
Created to celebrate the life and legacy of Poland's most famous composer, the Fryderyk Chopin Museum is an absolute must with any visit to Warsaw. The museum is located in the Ostrogski Palace which in and of itself is a Warsaw landmark. With a mix of classical artifacts as well as interactive digital displays, the museum is the perfect combination between music, high tech, and history.
With four floors and over 5,000 exhibits, the museum documents Chopin’s life and work extensively. Artifacts range from a lock of hair, the maestro’s elementary school books, and the passport that he used when he entered England. So considerable is the museum’s collection that it even includes the last letter he addressed to his family and flowers from his deathbed. The museum also features a recreation of his Paris apartment, many paintings and sculptures, and an intriguing exhibition on the women in his life.

Source: www.visitacity.com
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MAY 23 & MAY 24

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MAY 23
Deep RF Hyperthermia -
Technical Historical Review
Paul Turner, Pyrexar Medical

MAY 24
Present and Future
Hyperthermia Technology Evolution
Paul Turner, Pyrexar Medical

CHAIRS
Mark Falkowski
CEO Pyrexar Medical
Gerhard Sennewald
CEO Dr. Sennewald Medizintechnik GmbH