

TSC *LIFE*



PTM
WORLD
CONGRESS

PROGRAM

IMPROVE PATIENT TEMPERATURE MANAGEMENT TOGETHER

AROUND
THE WORLD

PTMworldcongress.com



A warm welcome to this second International PTM World Congress.

Bringing together PTM professionals from all over the world, united by a deep dedication to patient temperature management, has been a dream come true. Our shared passion has transformed into a powerful mission: “Improving Patient Temperature Together.”

AROUND THE WORLD

The PTM World Congress serves as the ultimate platform for us to exchange knowledge, celebrate successes, and fine-tune PTM protocols. With a diverse and high-quality scientific program, we aim to deepen our understanding of PTM and its seamless integration into daily practice.

The remarkable success of the PTM World Congress in 2022 has left us inspired and motivated to repeat this year.

Together, we are making a lasting impact on the world of PTM, and we couldn't be prouder to be a part of this incredible journey.

Organisation and sponsor

TSC Life

In addition to the program, this guide contains important information about planning, transportation, and social program to make your stay with us as pleasant as possible.





Anselm Bräuer

A small abstract for my presentation
“Influence of active prewarming on preoperative
patient comfort and anxiety”:

In this presentation I will define active prewarming and talk briefly about the purpose and value of active prewarming. Then I will give some definitions of thermal comfort and line out the thermal situation before induction of anaesthesia. Then the topic of active prewarming and thermal comfort will be discussed followed by a relative brief discussion if active prewarming can have an influence on preoperative anxiety.

ABSTRACTS & SUMMARIES



Berry Teunissen

Virtual37 mobile App. The why and how.

In this presentation, I would like to reflect on the history of Patient Temperature Management and the development of our products. The use of our products can be optimised with the use of our App V37. We have now rid it of all the bugs with which it can serve as an aid in keeping patients Normothermia.



Brittany M. Hudson

Today, Brittany Hudson will be examining the key aspects of the patient temperature management experience in the United States Surgical Operating Arenas. She will examine several components of patient temperature management with focus on the delivery, education, benefits, and guidelines of patient warming.

5 topics/areas of discussion will be as follows:

1. *How is patient temperature management systematized/structured in the USA? : More investigation on the models typically used in the surgical forums of the United States. For most high ranking hospitals, guidelines are followed by several accreditation bodies who deliver research/evidence based protocols.*
2. *What are the National guidelines that are typically followed to help reduce perioperative hypothermia in the USA? : Further explanation of the National Association of Perioperative Registered Nurses, the Joint Commission Surgical Care Improvement Project (SCIP Measures), Center of Medicare and Medicaid Services (CMS) guidelines and many other accrediting bodies that foster the importance of patient temperature management.*
3. *Are Nurses and Doctors educated regularly about patient temperature management? How so? Education and ongoing oversight education requirements/ programs will be examined with emphasis on promoting the benefits of patient temperature management in the perioperative areas.*
4. *Strategies being used to better Patient Temperature Management? : Overview of different practices, policies and procedures related to the management of patient temperature. The evolution of such practices will be examined as well as future strategies/products that can better patient warming overall.*
5. *My idea of the benefits offered with patient temperature management. Supported by and driven by patient outcome measures.*

ABSTRACTS & SUMMARIES



Dr. J.M. Huitink

“Everything you always wanted to know about flexible bronchoscopy and intubation, but were afraid to ask.”

Summary

Advanced airway management with flexible optical bronchoscopy and intubation is needed in some patients in the operating room.

It's a core skill of the anesthesiologist, but requires training, clinical experience, and state of the art equipment. In this lecture I will discuss the basic principles of awake flexible optical intubation and tips and tricks to make the intubation a good experience for you and your patient. I will also discuss the indications for bronchoscopy in the OR and the current use of single-use bronchoscopes. Please don't forget to ask all the things you always wanted to know but were afraid to ask.



Ingrid Gustafsson

Patient Temperature Management in Sweden

In Sweden, there are no guidelines that only describe the patient's temperature management. We have in the Healthcare Handbook, recommendations to prevent heat loss during the intraoperative phase, which need more clarity. The old and existing guidelines focus on postoperative wound infections, with temperature management as a part. National research shows that many patients do not receive what was recommended in the old postoperative wound infection guidelines. Despite Swedish Association of local Authorities and Region's goal of 100 % compliance.

Furthermore, there is a lack in knowledge about patient temperature management and the area is a low priority both for specialist nurses and doctors in the perioperative period. If there is an interested surgical team member in the area, education can take place locally at the own hospital. At the university level, a few of our 12 nurse anaesthetists' program have lectures on it. However, the surgical teams desire a common guideline to support them in providing adequate care in patient temperature management.

The recommendations that exist today are the Healthcare Handbook and a guideline called Prosthesis-related wound infections must be stopped, regarding knee and hip prostheses. Thus, some hospitals make their own guidelines. Since 2022, however, there is a small group of people interested in patient temperature management, called perioperative hypothermia group.

Our goal is to convey knowledge, exchange experience and update guidelines. Four of us have been working on upcoming Swedish guideline based on NICE CG65, Leitlinie "Vermeidung von perioperativer Hypothermie" and my PhD thesis, hopefully our guideline will be adopted this year.

The best we can do is to pre-warm the patient to minimize heat loss from redistribution and then warm them for as long as they need or desire.

ABSTRACTS & SUMMARIES



Joyce Duijndam

Towards Sustainable Healthcare: Initiatives by TSC Life

Growing awareness of the negative contribution of the healthcare sector to the total greenhouse gas emissions demands environmental sustainability to be considered in procurement and development of medical devices as well. This presentation aims to address two key objectives: firstly, to provide an overview of sustainability in the healthcare sector and explore the associated health paradox; and secondly, to delve into strategies for improving sustainability, showcasing TSC Life's approach and ongoing research projects in this domain. For example, the Life Cycle Assessment research about Forced Air Warming blankets, leading to new development projects to reduce the potential environmental impact of our products. By embracing sustainability, TSC Life aims to contribute positively to the health paradox while meeting the needs of patients, users, and future generations.



Juan M Zaballos.
*Anesthesiologist M.D.Ph.D.
San Sebastian. Spain.*

Patient Temperature Management in Spain

Perioperative Hypothermia is associated to complications for the surgical patient. Awareness of this problem, early diagnosis with adequate patient temperature monitoring probes, and active body surface warming, are essential to maintain normothermia.

Patient temperature management protocols should be individualized to patient's needs and follow local hospital requirements. Although the topic is considered as very important by anesthesiologists due to the wide clinical evidence, there is still a lack of compliance with National Guidelines.

Some Hospitals apply their own protocols. This lecture will review the current status of Patient Temperature Management in Spain. Local Guidelines on PTM published in 2018 in the National Anesthesia Society Journal (Revista Española de Anestesiología y Reanimación) will be explained, together with the problems and difficulties in practical implementation of the guidelines in different Spanish hospitals. Proper equipment that is not available in the surgical area is often the cause. The role of normothermia on ERAS protocols will be reviewed. The Bundle "Zero Surgical site infection" to prevent infections in surgical patients will also be considered.

There is a benefit for patients and hospital administrators when Clinical Practice Guidelines are correctly and widely implemented, because patient outcomes improve and costs associated to complications decrease.

Education tailored to the needs of anesthesiologists, surgeons and nurses that work together in different surgical scenarios is vital to optimize perioperative patient management. A proposal of different ways to improve education on this topic will be presented.



Koen Reyntjens

The temperature of liver transplantation: then and now

Since the commencement of liver transplantation and liver resection surgery, temperature management has been a mainstay of its anesthesia management. With the advent of forced air warming and fluid warming devices, patient management (e.g. coagulation, blood loss, blood product use) has improved considerably. At present, temperature management retains this prominent role in liver surgery. Temperature management of donor organs opens new possibilities in the field of transplantation.



Raveen Rasiah

Maintenance of Perioperative Normothermia - Is it Worth the Costs - The Malaysian Perspective.

Perioperative temperature management is a simple and effective intervention to improve postoperative outcomes.

Perioperative hypothermia is associated with serious complications such as postoperative wound infections, increased blood loss and transfusion requirement and many others. Many warming devices are currently available for maintenance of perioperative normothermia and in many hospitals active warming has become a clinical standard. Forced air warming has been proven as a simple and effective method of warming patients in the perioperative period.

Despite the fact that clinical and basic research have significantly improved patient outcome in the past 15 years, major procedures still carry significant morbidity and mortality risks with high socio-economic impact.

I will highlight how temperature management is managed in Malaysia with emphasis on National guidelines and the way forward in using appropriate resources in educating the importance of Perioperative hypothermia prevention. Will also discuss cost factors.

I will also concentrate on interventions such as temperature management, as well as evidences of actively prewarming surgical patients to prevent inadvertent hypothermia.

Education on prevention of perioperative hypothermia in Malaysia is only being discussed at the Postgraduate level for doctors and in the Post basic courses for Perioperative nurses. The curriculum for this topic is undergoing a change for the future.



Sascha Fiedler

“Patient Temperature Management in the Florence-Nightingale-Hospital”

The presentation shows the path of the patient arriving in the preoperative Holding-Area, from there to the operation theatre and after the operation to the PACU. We can observe the complete Patient Temperature Management during the treatment of the patient.

The presentation also gives information about the materials and equipment we use and the SOPS we have established.

Overall, a good insight into the daily processes concerning the Patient Temperature Management in the Florence-Nightingale-Hospital in Düsseldorf, Germany.



Dr. Thomas Amiel

*Department of Urology
University Hospital Klinikum rechts der Isar,
Technical University, Munich Germany*

Temperature Management in Endourology: Simple Yet Underestimated!

Blood and Fluid Warming systems play a crucial role in preventing perioperative hypothermia and contribute to a positive patient outcome. While existing guidelines emphasize temperature management measures to mitigate heat loss and enhance heat gain, particularly in the context of active warming and fluid warming, there remains a limited number of recommendations specific to temperature management in urological procedures.

This lecture aims to underscore the significance of temperature management in urology through the presentation of clinical cases and a comprehensive review of pertinent literature. Additionally, it will explore various approaches and technical solutions available to optimize patient outcomes after urological surgeries.



Thorsten Perl

Heat transfer of forced air warming systems – thermal manikin investigations

Forced air warming systems demonstrated in several patient trials their efficacy and performance. However, differences between forced air warming systems are small and therefore hard to assess in clinical settings with several factors influencing core and skin temperatures. Nevertheless, assessment of performance is necessary for improvement and development of new systems. Highly effective systems are of course of interest to achieve as fast and reliable as possible therapy targets.

A manikin for heat exchange allows standardized and reproducible assessment of heat transfer and therefore detailed information about the performance of active warming systems. Basic setup of the manikin and physics of heat exchanged will be addressed. Results of several blower – blanket – combinations will be elucidated and discussed. The improvement of over the years developed products is visible.



“Knowledge had no value
unless you use and share it”

The entire team of TSC Life thank you very much for attending
to this second edition of the PTM World Congress.

TSC LIFE

Innovation with purpose

Congress Hotels

Mercure Hotel Amersfoort

De Nieuwe Poort 20
3812 PA Amersfoort
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NH Hotel Amersfoort

Stationsstraat 75
3811 MH Amersfoort
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Hotel de Tabaksplant

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Congress Venue

Prodent Factory

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Festive Dinner /

Workshops &

Netwerk Meeting

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