Wednesday   14	4 September 2022	
08:00-09:00	Registration, badge and bag collection, exhibition	Registration area
09:00-10:00	Opening Ceremony  ■ Welcome by the EPUAP President, Jan Kottner  ■ Welcome by the EPUAP 2022 Chair, Andrea Pokorná  ■ Representatives of the local institutions  Prof. Vlastimil Válek, MD, PhD, Ministry of Health of the Czech Republic  Alice Strnadová MSc, Head Nurse of the MoH the Czech Republic  Prof. Ladislav Dušek, PhD, Director of Institute of Health Information and Statistics (IHIS CR)  Petra Pevná MSc. General Health Insurance Company of the Czech Republic, Brno  Helena Sajdlová MD General Health Insurance Company of the Czech Republic, Prague Director of Contractual Politics  Assoc. prof. Lenka Veverková MD, PhD. Czech Wound Management Association  Alena Jančíková, Czech Paraplegic Association	Plenary hall / Zeni
10:00-11:30	Plenary Key Session: Navigating the journey from evidence generation to guideline development  Chairs: Andrea Pokorná, Jane Nixon  Guidelines- methodology; Katrin Balzer, Germany  Guidelines for pressure ulcer prevention and treatment: past and present; Jan Kottner, Germany  Credible guidelines need reliable methods: the state of the art; Holger Schunemann, Canada	Plenary hall / Zeni
11:30–13:00	Lunch break, exhibition 12:00—12:45 Poster presentations A	
13:00–14:15	Key session 2: Pressure ulcer aetiology and the early detection of skin and subdermal damage  Chairs: Miloslav Klugar, Pierre-Yves Rohan  Our contemporary understanding of the aetiology of pressure ulcers/injuries and how to apply it for effective prophylaxis; Amit C  Linking pressure ulcer aetiology with early pressure ulcer detection — a key to success?; Zena Moore, Ireland  Linking Aetiology with non-invasive measurements to predict skin damage; Peter Worsley, United Kingdom	Plenary hall / Zeni Gefen, Israel
	Award session: EPUAP investigator awards  Chair: Dimitri Beeckman  A life devoted to children: a novel leadership model in pediatric wound care intensities during changing times; Guido Ciprandi, Italy  Developing algorithm based on activity and mobility for pressure ulcer risk among older adult residents: Implications for evidence-based practice;  Pinar Avsar, Ireland  Understanding risk factors: research, clinical translation and impact; Jane Nixon, United Kingdom  Post-Pressure Prevention; Lisa Tucker-Kellogg, Singapore	
	Free paper session 1: Innovative approaches in clinical research (prevention and treatment)  Chairs: Ida Marie Bredesen, Marie-Line Gaubert-Dahan  Core outcome domains for pressure ulcer/injury prevention trials; Jan Kottner, Germany  The physiological efficacy of lateral pressure equalisation technology for the prevention of pressure ulcers in seated idividuals; Co  Paper device for rapid detection of myeloperoxidase in wound fluids; Guillem Ferreres Cabanes, Spain  The relationship between sub-epidermal moisture measurements and inflammatory markers in the early identification of pressure Natalie McEvoy, Ireland  Comparison of two skin protection regimes for the prevention of incontinence-associated dermatitis in geriatric care: A study procontrolled parallel group exploratory trial; Monira El Genedy-Kalyoncu, Germany  Immediate effects after shock wave therapy application in pressure ulcers: a preliminary randomised controlled study; Robert Dy	re ulcers; tocol for a randomized
	Free paper session 2: Basic science: Biomechanics, mechanobiology and aetiology (13:00 - 14:00)  Chairs: Tom O'Connor, Joan-Enric Torra Bou  Magnetic Resonance Imaging and computational modelling to predict the soft tissue response of the face when interacting with Bethany Keenan, United Kingdom  Cell mechanobiology in the context of wound healing; Daphne Weihs, Israel  Internal strains reduction in soft tissues surrounding a pressure ulcer using a new bi-layer dressing; Nolwenn Fougeron, France  Failure of phagocytosis during the Impaired healing of pressure ulcers; Lisa Tucker-Kellogg, United States	Breakout room 3 / Keple
	Czech symposium (13:15–16:05)	Aquariu

14:15-14:25	Short break	
14:25—15:40	<ul> <li>Key session 3: Why are pressure ulcers associated with quality of care and patient safety?         Chairs: Jane Nixon, Katrin Balzer         The cost-effectiveness of using multi-layer foam dressings in the prevention of pressure ulcers; Dimitri Beeckman, Belgium         Interacting last generation dermal/epidermal substitutes: in search of engraftment rapidity, tissue elasticity, absence of scars and Guido Ciprandi, Italy         Implementing new standardized workflow at the hospital, as a result of the improvement and patient safety effort regarding preprevention in the Pandemic COVID19 Intensive Care Unit (ICU); Camilla Soerensen, Denmark     </li> <li>EPUAP - EWMA joint session: Challenges and benefits for education         Chairs: Jan Kottner, Beáta Grešš Halász         EWMA wound curricula for healthcare professionals: achievements and next steps; Andrea Pokorná, Czech Republic         Development of the EPUAP pressure ulcer curriculum for professionals responsible for quality and improvement; Beáta Grešš Halác     </li> </ul>	ssure ulcer (PU)  Breakout room 1 / Nadii
	Free paper session 3: Interdisciplinary collaboration and education for pressure ulcer care  Chairs: Miloslav Klugar, Alison Porter-Armstrong  A rapid response to preventing healthcare staff facial pressure ulcers in COVID-19 care settings; Zena Moore, Ireland  Creation and Evaluation of Face-Specific Measurement Data with Three-Dimentional Imaging Method for Face Masks; Ayişe Karacı  Development of the Pressure Ulcer Curriculum for Professionals Responsible for Quality and Improvement; Beáta Grešš Halász, Slo  Change Management in Pressure Ulcer Nursing Practice; Abdulaziz Binkanan, Saudi Arabia	
	Industry workshop (14:25–15:25)	Breakout room 3 / Kepler
15:40–16:25	Coffee break	
16:25–17:40	<ul> <li>Key session 4: What are recent innovations &amp; advanced interventions in pressure ulcer prevention and treatment?</li> <li>Chairs: Andrea Pokorná, Beáta Grešš Halász</li> <li>Skin injuries related with PPE usage among Czech and Slovak health professionals; Natália Antalová, Czech Republic</li> <li>Costing and cost-effectiveness concerns of the prevention and treatment of pressure ulcer in short term care; Csaba Dózsa, Hungo</li> <li>Why are pressure ulcers associated with quality of care and patient safety?; Doris Grinspun, Canada</li> </ul>	Plenary hall / Zenii ary
	Awards session: Quality Improvement projects  Chairs: Zena Moore, Steven Smet	Breakout room 1 / Nadi
	<ul> <li>Development of the PRONEtect practice guidance document regarding skin care considerations for the patient in the prone position and international expert collaboration; Anika Fourie</li> <li>A quality approach to pressure injury/ulcer prevention using SEM Assessments In every day clinical practice; Vignesh lyer</li> <li>Making proning easy; Irena Pukiova</li> </ul>	on: a gap analysis study
	Industry workshop (16:25–17:25)	Breakout room 2 / Tycho
	EPUAP Research Funding Chair: Pierre-Yves Rohan  Observational Study (PUCOVID) - Determinants of pressure ulcer development in intensive care in patients with covid: cohort study; Ulrika Källman, Sweden Knowledge and attitudes about pressure ulcer prevention in the operating theatre: a Swedish nationwide study to develop and validate measurement instruments; Karin Falk-Brynhildsen, Sweden Heel pressure ulcers: Back to basics; Bethany Keenan, United Kingdom	
18:00-19:30	EPUAP 2022 Prague walk	

Thursday   15 S	September 2022	
8:00	Registration, badge and bag collection - Registration area, exhibition	
9:00-10:15	Key session 5: Pressure ulcers in specialist care settings and populations  Chairs: Andrea Menšíková, Guido Ciprandi  Using pressure mapping perioperatively, a quasi-experimental study in Sweden; Eva Sving  Double Protection Strategy (DPS): Innovation in preventing PUs in most fragile patients; Paulo Alves  PU prevention in acute illness of elderly - strategies in the ER; Heli Lagus	Plenary hall /Zenit
	<ul> <li>Key session 6: Preventing and treating pressure ulcers in individuals with long term health conditions</li> <li>Chairs: Helen Strapp, Kirsti Ahmajärvi</li> <li>Treating pressure ulcers in individuals with spinal cord injuries; Marc LeFort</li> <li>Pressure ulcer prevention among individuals with spinal cord injuries; Zena Moore</li> <li>Pressure Ulcers in the community; Pauline Wilson</li> </ul>	Breakout room 1 / Nadir
	Free paper session 4: Pressure ulcer prevention and management in specialist care settings  Chairs: Simona Saibertová, Peter Worsley  A randomised controlled trial of the effectiveness of multi-layer silicone foam dressings for the prevention of sacral pressure injuri undergoing general surgery; Hyunjung Yeo, Rep. of South Korea  The pressure injury evidence in spinal cord injured patients at spinal unit of department of traumatology at University Hospital Bru Lia Vašíčková, Czech Republic	
	<ul> <li>Pressure ulcer risk assessment scales designed for adult intensive care patients - risk factors and predictive validity of the scales: A systematic review; Maarit Ahtiala, Finland</li> <li>The assessment of chronic wounds, including pressure ulcers: a review of psychometric properties of instruments and a study of the cognitive process of decision-making; Steven Smet, Belgium</li> <li>Prevention of skin injuries in patients with acute respiratory distress syndrome during the COVID-19 pandemic; Elizabeth Faust, United States</li> <li>The impact of prone positioning on the incidence of pressure injuries in adult intensive care unit patients: A meta review; Pinar Avsar, Ireland</li> <li>Implementation of evidence-based SKIN CARE practices in nursing home residents: Results of a mixed methods process evaluation alongside the SKINCARE trial; Katrin Balzer, Germany</li> </ul>	
	Industry workshop	Breakout room 3 / Kepler
10:15-10:45	Coffee break and exhibition	
10:45-12:00	Key session 7: Pressure ulcer prevention across the continuum of care — challenges faced in the community  Chairs: Maarit Ahtiala, Jan Stryja  Pressure ulcer prevention in home care - does continuum of care occure?; Kirsti Ahmajärvi, Finland  Patient involvement and understanding of pressure ulcer risk within community settings: shifting the practice paradigm; Lisa Ledge	Plenary hall /Zenit ger, United Kingdom
	Industry satellite symposium (10:45 – 12:15)	Breakout room 1 / Nadir
	Free paper session 5: Pressure ulcers: Health economics, safety and quality of  Chairs: Alison Porter-Armstrong, Zena Moore  Solving the Health Economic Burden of Pressure Ulcers in the United Kingdom Using SEM Assessment Technology; Martin Burns, United States  What is the economic impact of pressure ulcers among patients in intensive care units? A systematic review; Natalie McEvoy, Ireland  Pressure Injury Prevalence and Practice Improvements in Nursing (PIPPIN study): A realist evaluation of pressure injury prevention practices in an Australian hospital; Jenny Sim, Australia  Interventions for maintaining skin integrity in end-of-life care: a systematic review; Charlotte Raepsaet, Belgium  What the first National study of pressure ulcer prevalence and incidence in acute inpatient care told us about safety and quality of care?;  Tiina Kortteisto, Finland  Patient involvement and understanding of pressure ulcer risk within community settings: shifting the practice paradigm; Lisa Ledger, United Kingdom  EPUAP Workshop 1: The role of risk assessment in pressure ulcer prevention, Susanne Coleman  Breakout room 3 / Kepler	
12:00-13:15	Lunch break, exhibition 12:15 - 13:00 Poster presentations B	

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### FPUAP 2022 DETAILED PROGRAMME

#### 13:15-14:30

#### Key session 8: How to integrate person centeredness into policy making and practice?

Plenary hall / Zenit

Chairs: Lucie Charbonneau, Joan-Enric Torra Bou

- Person-centeredness in policy and practice, what steps can we take?; Georgina Gethin
- How to integrate a person-centred approach into pressure ulcer prevention practice?; Lisa Ledger
- Innovative approach to involving people with long-term neurological conditions in PU prevention research; Susanne Coleman

#### Industry satellite symposium (13:15 - 14:45)

Breakout room 1 / Nadir

#### Free paper session 6: Pressure ulcers: Implementation science and education

Breakout room 2 / Tvcho

Chairs: Steven Smet, Kirsti Ahmajärvi

- Skin hydration measurement and the prediction of the early development of pressure ulcers among at risk adults: A systematic review;
   Hannah Wilson, Ireland
- Implementation of carebundle in a clinical setting; Britt Hansen, Denmark
- A knowledge translation framework for wound and pressure ulcer care in nursing homes; Christelle Boersema, South Africa
- The Use of PURPOSE-T in Clinical Practice; Susanne Coleman, United Kingdom
- The Effect of Educational Program on Nurses' Knowledge About Pressure Ulcer; Abdulaziz Binkanan, Saudi Arabia

#### **EPUAP Workshop 2: Repositioning**; Menno van Ettenn

Breakout room 3 / Kepler

STINTS 1 (13:15- 14:20)

Chairs: Amit Gefen, Pierre-Yves Rohan

- Properties of corneocytes in the context of skin health; Ana Evora, United Kingdom
- An optimised method to analyse inflammatory markers from sebum and its role in detecting skin damage; Hemalatha Jayabal, United Kingdom
- A foam dressing is considerably advantageous over a hydrocolloid for prophylaxis of noninvasive ventilation mask-related-pressure ulcers;
   Aleksei Orlov, Israel
- Can non-invasive skin parameters reflect changes at grade 1 pressure ulcer skin sites?; Nkemjika Abiakam, United Kingdom
- Low-frequency ultrasound device for pressure ulcer diagnosis; Elis MarinaSales de Castro, France

### 14:30-15:15 15:15-16:30

Coffee break and exhibition, Annual General Assembly of the EPUAP

### Key session 9: How can e- Health and big data play a role in pressure ulcer prevention and management?

Plenary hall / Zenit

Chairs: Pierre-Yves Rohan, Jan Kottner

- How can e- Health and big data play a role in pressure ulcer prevention and management?; Pierre-Yves Rohan, France
- Soft tissue biomechanics for pressure ulcer prevention: what challenges for Artificial Intelligence?; Yohan Payan, France
- Marrying big databases with machine learning algorithms for artificial intelligence-powered wound care; Amit Gefen, Israel

#### Industry satellite symposium (15:15 – 16:15)

Breakout room 1 / Nadir

#### Free paper session 7: Pressure ulcers: Patient safety, quality of care and policy

Breakout room 2/Tycho

Chairs: Beáta Grešš Halász, Dimitri Beeckman

- I cannot "unhear her cries" or "unsee what I saw." Pressure injuries in Aged Care. A synopsis of the interim report of the Australian Royal Commission into Aged Care Quality and Safety; Suzanne Kapp, Australia
- Dressings and topical agents for preventing pressure ulcers; Pinar Avsar, Ireland
- Development of a reporting tool for Medical Device Related Pressure Ulcers: Cognitive pre-testing, usability, and feasibility assessment;
   Ewa Crunden, United Kingdom
- What is the impact of sub epidermal moisture (SEM) measurement and targeted pressure ulcer prevention, versus visual skin assessment and usual care, on mean SEM delta scores and early pressure ulcer development; Pinar Avsar, Ireland
- Enhancing pressure injury prevention bundle during COVID 19 pandemic to reduce hospital acquired pressure injury incidence and prevalence rate;
   Wilnora Cascolan, Saudi Arabia
- what are the effects of vasopressor agents on the development of pressure ulcers in critically ill patients in intensive care units? a systematic review;
   Natalie McEvoy, Ireland

#### **Industry workshop** (15:15 – 16:15)

Breakout room 3 / Kepler

**Industry workshop** (15:15 – 16:15)

Aquarius

### STINTS 2 (15:15-16:30)

Chair: Peter Worsley

- Contribution of the out-of-plane component in the assessment of sacral soft tissue deformations under compressive loading Preliminary study on one subject; Ekaterina Mukhina, France
- Human heel internal tissue displacements and strains calculated from Magnetic Resonance Imaging; Alessio Trebbi, France
- Molecular dynamics simulation and thermodynamical approaches to predict and model the barrier function of skin lipids;
   Nicola Piasentin, United Kingdom
- Characterization of skin integrity by quasi-static mechanical impedance device; Yisha Chen, France

#### 16:30–16:40

**Short Break** 

#### 16:40-17:40

# Key session 10: What are effective strategies for patient, informal carers and non-professional pressure ulcer education? Chairs: Beáta Grešš Halász, Andrea Pokorná

Plenary hall / Zenit

- Patient safety and informal caregivers; Joan-Enric Torra Bou, Spain
- Evaluating education for pressure ulcer care and prevention: are we measuring the right outcomes?; Tom O´Connor, Ireland
- What are effective strategies for patient, informal carers and non- professional pressure ulcer education?; Alexandre Rodriques, Portugal

#### Free paper session 8: Technologies for treating and monitoring wounds

Breakout room 1 / Nadir

Chairs: Camilla Soerensen, Jitka Klugarová

- Mini-invasive drainages and irrigation of any infected ulcer recess avoid exudate stasis, reduce recurrence and allow better rehabilitation;
   Marco Cavallini, Italy
- The integration of sensor technology in disposable bodyworns: a promising pathway in the prevention and reduction of skin damage;
   Charlotte Raepsaet, Belgium
- Subdermal injection of hyaluronate plus amino acids in recalcitrant pressure injuries: preliminary results; Roberto Cassino, Italy
- PhotoBioModulation in pressure injuries and IAD: a multicentric study in institutionalized elderly people; Roberto Cassino, Italy
- The use of electronic documentation datasets for the prevention and treatment of decubitus ulcers as an effective tool for education in the differential diagnosis of decubitus ulcers; Lenka Kolářová, Czech Republic
- Huntington's Disease: a contemporary update of seating, postural support and pressure ulcer prevention; Rebecca Fleming, United Kingdom

#### Student free paper session 1: Basic science

Breakout room 2 / Tycho

Chairs: Amit Gefen, Simona Saibertová

- Intelligent sensing to detect posture and mobility in vulnerable individuals: an indicator of pressure ulcer risk; Silvia Caggiari, United Kingdom
- Development of a finite element model for the heterogeneous structure of the calcaneal fat pad to study its loading distribution. Insights for strss-related
  injuries; Alessio Trebbi, France
- Biomechanical and physiological response of the skin following application of respiratory protective equipment devices; Silvia Caggiari, United Kingdom
- Nano-enabled hyaluronic acid hydrogels target multiple factors governing wound chronicity; Guillem Ferreres Cabanes, Spain

EPUAP Workshop 3: Debridement; Lucie Charbonneau and Steven Smet (16:40-17:40)

Breakout room 3 / Kepler

19:30-22:30

Conference dinner - Grand Bohemia Boat

Friday   16 Sep		
8:00	Registration, badge and bag collection - Registration area, exhibition	
09:00-10:15	<ul> <li>Key session 11: Patients voice</li> <li>Chairs: Andrea Pokorná, Maarit Ahtiala</li> <li>The role of the pressure relief cushion in the life of a person with spinal cord injury — patient experience;         Věra Kunhartová and Zdeňka Faltýnková, Czech Republic</li> <li>Pressure ulcers in people with spinal cord injury — exploring the patient perspective; Knaerke Soegaard, Denmark</li> <li>Patients and caregivers connect with health professionals in the fight against pressure ulcers; Michaela Tůmová, Czech Republic</li> </ul>	Plenary hall /Zeni
	Free paper session 9: Pressure ulcer prevention and management in specialist care settings and populations  Chairs: Serena Crucianelli, Ida Marie Bredesen  Data from Clinical Practice Demonstrates Pressure Ulcer (PU) Prevention in Long Term Care through the Introduction of Technology into the Care Pathway Vignesh Iyer, USA  Two case reports on pressure injury prevention in patients with COVID-19 associated acute respiratory distress syndrome; Armin Hauss, Germany  The Effectiveness of SEM Assessment in Early Identification of Pressure Damage in a Spanish Long Term Care Facility; Kate Hancock, United Kingdom  Implementing the high standards for pressure ulcers care: the physian's experience; Karolína Nováková, Czech Republic  Elevated sub-epidermal moisture predicts both pressure ulceration and diabetic foot ulceration; Pauline Wilson, Ireland	
	EPUAP Workshop 4: Skin care considerations for the patient in the prone position; Dimitri Beeckman and Anika Fourie	Breakout room 2 / Tycho
	EPUAP Workshop 5: Wound assessment; Helen Strapp	Breakout room 3 / Keple
10:15-11:00	Coffee break and exhibition	
11:00–12:00	Key session 12: Hyperbaric oxygen therapy  Chairs: Amit Gefen, Miloslav Klugar  Importance of hyperbaric oxygen therapy in hard-to heal and diabetic foot ulcers; Michal Hájek, Czech Republic  Effectiveness of HBOT in hard to-heal ulcers: an umbrella review; Miloslav Klugar, Czech Republic  Effectiveness of comprehensive pain management in hard-to heal ulcers: a systematic reveiw; Jitka Klugarová, Czech Republic	Plenary hall / Zeni
	<ul> <li>Student free paper session 2: Clinical science</li> <li>Chairs: Peter Worsley, Andrea Menšíková</li> <li>Prevalence and associations of common adverse skin conditions in aged nursing home residents - a representative prevalence stu Bettina Völzer, Germany</li> <li>Feasibility of PURPOSET - a mixed method study in Sweden; Lisa Hultin, Sweden</li> <li>Old dog, new tricks? Using modern advances in chronic wound management to improve outcomes and patient care; a case repor</li> </ul>	
	EPUAP Workshop 6: Pain in pressure ulcers; Jane Nixon	Breakout room 2 / Tycho
	EPUAP Workshop 7: Pressure ulcer prevention in younger population; Guido Ciprandi, Ann Marie Nie	Breakout room 3 / Keple
12:00–12:30	Presentation of EPUAP 2023 Closing of the conference; Jan Kottner, Andrea Pokorná, Susanne Coleman	Plenary hall / Zeni