



2025 INTERNATIONAL SOCIETY FOR BURN INJURIES REGIONAL CONFERENCE

CONFERENCE PROGRAM

***“IMPROVING THE QUALITY
OF BURN CARE FROM
ADMISSION TO DISCHARGE
AND BEYOND”***

DATE:
December 3 - 4, 2025



LOCATION:
Aristotle University of Thessaloniki
Thessaloniki, GREECE



office@worldburn.org



www.worldburn.org



PROGRAM COMMITTEE

David Harrington, MD (USA) - ISBI President

Ariel Miranda, MD (MEXICO) - ISBI President-Elect

Sophia Papadopoulou, MD (GREECE)

Athina Lavrentieva, MD (GREECE)

Mark Fisher, MD (USA)

Michael A Serghiou, OT, MBA, BT-C (USA)

ENDORSEMENTS



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Reconstructive and Aesthetic Surgery**

www.hespras.gr



**Hellenic Society of Intensive
Care Medicine**

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**Panhellenic Association
of Ergotherapists**

www.pse.org.gr



**Panhellenic Association
of Physiotherapists**

www.psf.org.gr

SCHEDULE

Day 1 - December 3, 2025

START TIME	END TIME	SESSION	TITLE OF TALK	PRESENTER	MODERATORS
ROOM: AMPHITHEATER II					
07:00	08:00	Registration (Foyer)			
08:00	08:15	Welcome and Introduction to Conference		David Harrington, MD Sophia Papadopoulou, MD Athina Lavrentieva, MD Michael A Serghiou, OT, MBA, BT-C	
08:15	08:30	What is quality and how it has impacted burns.		David Harrington, MD	Folke Sjoberg, MD
08:27	09:34	Quality Podium Presentations			David Harrington, MD Folke Sjoberg, MD
	OR 001	Dr. Tomáš Demčák	Epidemiology of burn injuries in Eastern Slovakia from 2014 to 2024		
	OR 002	Mrs. Deborah Knight	Perceptions of ISBI Membership Accessibility among Nurses and Rehabilitation Professionals Working in Burn Care around the World		
	OR 003	Ms. Georgina Liu	A rare presentation of a cutaneous burn following magnetic resonance imaging: A case report		
	OR 004	Dr. Shalli Gorka	Reducing Childhood Burn Risk in Low-Resource Settings: Outcomes of the BAPFAS Educational Initiative in Jammu, India		
	OR 005	Mr. Andrew McAuliffe	Identifying the Optimal Timing for Initial Burn Surgery: Associations With Short-term Outcomes in Adults		
	OR 006	Dr. Aslı Nur Abay	Pediatric Burns and Socioeconomic Development: Is Our Postcode Truly Our Destiny?		
	OR 007	Dr. Ayse Ebru Abali	Contact burns in children and adolescents: A single-center experience		
	OR 008	Dr. Inês Oliveira Pires	Determinants of Mortality in Burn Patients: A 10-Year Retrospective Study		
09:34	10:19	Industry Sponsored Presentations	SUPRATHEL®, BTM and NexoBrid: Three Gamechangers in Pediatric Burn Surgery	Carsten Krohn, MD	Vinita Puri, MD
			The Use of NovoSorb BTM in Burn Patients — Experience of the Clinic for Burns, Plastic and Reconstructive Surgery, University Clinical Center of Serbia	Assoc. Prof. Marko Jovic	
			Surfasoft®, the Ideal Protective Dressing for Wound Closure	Henk Hoeksema, PT	
10:19	10:49	Coffee Break with Exhibitors			
10:49	10:54	Patient Resuscitation in the First 48 Hours after the Burn Injury (Introduction)		David Greenhalgh, MD	David Harrington, MD
10:54	11:24	Patient Resuscitation in the First 48 Hours after the Burn Injury (Debate)		Folke Sjoberg, MD Anjay Kandelwal, MD	

SCHEDULE

Day 1 - December 3, 2025 (Continued)

START TIME	END TIME	SESSION	TITLE OF TALK	PRESENTER	MODERATORS
ROOM: AMPHITHEATER II					
11:24	11:48	Patient Resuscitation in the First 48 Hours after the Burn Injury Podium Presentations			David Greenhalgh, MD Athina Lavrentieva, MD
	OR 009	Dr. Ahmed Al-Naqqash	Eiratex vs standard wound care in paediatric facial burns: A single-centre retrospective analysis		
	OR 010	Dr. Laura Ordoñez-Arenas	Multidimensional Approach to Burn Patient Assessment: A Predictive Model for Intensive Care Unit Admission		
	OR 011	Dr. Cagri Uysal	Early Cooling Practices in Scald Injuries: Associations with Healing, Surgery, and Hospitalization		
11:48	11:53	Burn Wound Debridement (Introduction)		Sophia Papadopoulou, MD	Sophia Papadopoulou, MD
11:53	12:23	Burn Wound Debridement (Debate)		Karel Claes, MD Jorge Villapalos, MD	
12:23	13:23	Lunch with Exhibitors			
13:23	13:28	Burn Wound Closure (Introduction)		Tina Palmieri, MD	Naïem Moïemen, MD
13:28	13:58	Burn Wound Closure (Debate)		Laura Pompermaier, MD Claudia Malic, MD	
13:58	15:26	Burn Wound Debridement/ Wound Closure Podium Presentations			Laura Pompermaier, MD Jyrki Vuola, MD
	OR 012	Dr. Pablo Rodriguez-Ferreya	Nanocellulose dressing as a first-line dressing, followed by biological dressing (Cultured allogeneic Keratinocytes able to release grow factors) in second-degree burns.		
	OR 013	Dr. Obaid Obaidullah	Effects of 0.1% Betamethasone ointment in better healing of skin graft donor areas		
	OR 014	Dr. Nikolaos Vlassis	Bone debridement in burns: How, why and when to do it?		
	OR 015	Dr. Stavros Tsilingeridis	Lessons Learned and Unresolved Issues After Four Years of Enzymatic Burn Wound Debridement		
	OR 016	Dr. Cem Aydogan	Genital Burns: Institutional Experience with Management and Outcomes		
	OR 017	Dr. Steven Jeffery	A spray-on local anaesthetic for burns? We are getting there! Results of a first in man study of topical LA for suturing acute wounds		
	OR 018	Dr. Inês Pires	Amputation in Burn Patients: A 10-Year Retrospective Study from a Tertiary Burn Unit		
	OR 019	Dr. Salih Çanlar	Our Experience with Ultrasonic Debridement in the Treatment of Burn Wounds		
	OR 020	Dr. Liang Qiao	Clinical study on the combined application of autologous epidermal cell suspension and meshed autologous split thickness skin graft in the treatment of deep partial thickness burns.		
	OR 021	Ms. Aarushi Pant	Low-Cost Template for Rapid and Accurate Meshing of Autograft Skin in Surgical Burn Care		
	OR 022	Dr. Sotirios Tasigiorgos	Enzymatic Bromelain-based (Nexobrid®) Debridement: A New Indication in the Prevention of Traumatic Tattoos		

SCHEDULE

Day 1 - December 3, 2025 (Continued)

START TIME	END TIME	SESSION	TITLE OF TALK	PRESENTER	MODERATORS
ROOM: AMPHITHEATER II					
15:26	15:56	Coffee Break with Exhibitors			
15:56	16:01	Quality in Burn Critical Care (Introduction)		Athina Lavrentieva, MD	Claudia Malic, MD
16:01	16:31	Quality in Burn Critical Care (Debate)		Nadia Depetris, MD Jennes Serges, MD	
16:31	18:23	Quality in Burn Critical Care Podium Presentations			Maria Theodorakopoulou, MD David Greenhalgh, MD
	OR 023	Ms. Lily Kidayu	Need for Expansion in the Indication of Mechanical Ventilation for a Burnt Patient		
	OR 024	Dr. Folke Sjoberg	High Early Incidence of Sepsis and Its Impact on Kidney Dysfunction (KDIGO) in Burn Trauma Patients		
	OR 025	Dr. Nuran SARI	Competition between Acinetobacter, Staphylococcus, and Pseudomonas in burn infections		
	OR 026	Mr. George Arampatzis	Predictive value of Procalcitonin to Albumine Ratio at admission in Burn ICU patients		
	OR 027	Dr. Maria Avgoulea	A case report of management of severe 80% total body surface area burns in a 40-year-old patient		
	OR 028	Dr. Emmanouil Moschonas	Retrospective Analysis of Blood Product Transfusions in Adult Burn Patients Hospitalized in a Regional Burn Center: Determining Needs and Protocols		
	OR 029	Mrs. Vasiliki Soulountsi	New beta-lactam/beta-lactamase inhibitor for the treatment of severe infections in critically ill burn patients		
	OR 030	Dr. Jeongsoo Park	Association Between Blood Selenium Increase and Mortality in Burn Patients Receiving Selenium Supplementation: A Retrospective Cohort Study		
	OR 031	Dr. Ayse Ebru Abali	Effects of burn trauma on the endocrine pancreas in an experimental rat model of metabolic syndrome		
	OR 032	Ms. Martha Bara	Landiolol for heart rate control in burn patients with septic shock and persistent tachycardia.		
	OR 033	Dr. Dohern Kym	Wound-to-Blood Pathogen Transfer in Burn Patients With Sepsis: A Retrospective Cohort Study		
	OR 034	Dr. Armonia Chatzigeorgiou	Antimicrobial Resistance of Pseudomonas Aeruginosa Strains Isolated from Tracheobronchial Cultures in Intubated Patients in a Greek Burns Intensive Care Unit		
	OR 035	Dr. Georgios Arampatzis	Central Venous Catheter Related Blood Stream Infections in Severe Burn Patients in a Greek Burns Intensive Care Unit		
	OR 036	Mr. Nikolaos Arkoulis	The role of Toxic Shock Syndrome Toxin-1 testing in the prevention of Toxic Shock in children. Experience from a tertiary Burn Centre in the UK and presentation of our testing protocol.		
18:30	20:00	Social Reception with Exhibitors			

SCHEDULE

Day 1 - December 3, 2025 (Rehabilitation Symposium)

START TIME	END TIME	SESSION	TITLE OF TALK	PRESENTER	MODERATORS
ROOM: AMPHITHEATER III					
07:00	08:00	Registration (Foyer)			
09:00	17:00	Rehabilitation Symposium: Current Advances in Burn Rehabilitation Along the Continuum of Care			

Rehabilitation Symposium: Current Advances in Burn Rehabilitation Along the Continuum of Care.

December 3, 2025
Aristotle University (KEDEA), Thessaloniki, Greece

This day long symposium will provide an update on current advances in burn rehabilitation. The course will cover burn rehabilitation interventions to include patient evaluation, positioning, orthotics/casting, range of motion/exercise, scar management and research along the continuum of care. This symposium is suitable for Physical Therapists, Occupational Therapists, Speech Pathologists, Nurses and Students.

Topics of Presentations and Discussion

Patient Evaluation:

- Burn Depth/Pathophysiology
- General Burn Evaluation PT/OT
- Introduction to Cutaneous Functional Units
- Goal setting
- Patient/family involvement/education
- Assessment tools/tests



Dr. Kyriaki Keramiotou, OT, HT, MSc, PhD
President of the Panhellenic Association of Ergotherapists

Activities of Daily Living /Aide Equipment:

- Adaptive equipment (bathing, dressing aids, toileting aids, eating)
- Transfer equipment



Petros Lymeridis
President of the Panhellenic Association of Physiotherapists

Therapeutic Exercise as Physiotherapy Intervention in Burn Rehabilitation

Exercise:

- Impact of exercise on hypermetabolism
- Early exercise/Ambulation
- Pre-exercise preparation of patient (wrapping)
- Aerobic & resistance exercises
- Enablers & barriers
- Exercise examples/activity



Villy Papachristou
MC, Primary Contact of the Panhellenic Association of Physiotherapists

Splinting, Orthotics & Serial Casting:

- Demonstration through photos, cases, and discussion
- Hand splint fabrication demonstration



Deborah Knight, MOT, OTR/L, BT-C
JMS Burn Center Augusta, GA, USA

Scar Management/Aftercare:

- Pressure Therapy
- Gels; silicone and polymers
- Non-invasive scar management
- Holistic approach
- Multidisciplinary team approach
- Hydration & manual skin techniques
- Shockwave, vacuum massage, needling, taping
- Pressure decreasing taping demonstration/practice



Prof. dr. Jill Meirte PT, PhD
University of Antwerp, Belgium

Research Care Research:

- Top 10 Research Questions in Burn Care; Rehabilitation
- What have we learned from the rehabilitation research?
- What are the gaps?
- Patient reported outcome measures/non-invasive measures



Michael A Serghiou, OTR, MBA, BT-C
ISBI Executive Director

SCHEDULE

Day 2 - December 4, 2025

START TIME	END TIME	SESSION	TITLE OF TALK	PRESENTER	MODERATORS
ROOM: AMPHITHEATER II					
07:00	08:00	Registration (Foyer)			
08:00	08:15	Burn Reconstruction: Nose		Mark Fisher, MD	Josef Haik, MD
08:15	08:30	Burn Reconstruction: Mouth		Naiem Moiemen, MD	Ariel Miranda, MD
08:30	09:10	Reconstruction Podium Presentations (1)			Vinita Puri, MD Mark Fisher, MD
	OR 037	Dr. Habib Ur Rahman QASIM	From Disability to Mobility: Walking Towards the Dream After Pediatric Post-Burn Foot Reconstruction		
	OR 038	Dr. Berkan Sanli	The Role of Free Flaps in Post-Burn Joint Contractures		
	OR 039	Dr. Khaled Zeynalov	The Superficial Temporal Artery Fascia Flap for Distal Extremity Burn Reconstruction: A Thin and Reliable Solution for Vital Structure Coverage		
	OR 040	Dr. Raquel Barbosa	Ten Years of Burn Care: Clinical and Epidemiological Insights from a Burn Centre		
	OR 041	Dr. Raquel Barbosa	A Decade of Intentional Burns: Patterns, Severity, and Mental Health Links		
09:10	09:25	Burn Reconstruction: Hand		Vinita Puri, MD	Sunil Keswani, MD Maria Kalofonou, MD
09:25	09:40	Burn Reconstruction: Hand		Leila Harhaus, MD	Anjay Khandelwal, MD Eirini Gamatsi, MD
09:40	10:10	Coffee Break with Exhibitors			
10:10	11:22	Reconstruction Podium Presentations (2)			Benjamin Wabwire, MD Leila Harhaus, MD
	OR 042	Dr. Hannah Callaghan	Antimicrobial use in burns resurfacing – a systematic review and retrospective regional cohort study of the effect on surgical outcomes		
	OR 043	Dr. Nicos Marathovouniotis	Burn Reconstruction at the Hand of Children		
	OR 044	Dr. Sunil Keswani	Reconstruction of Neck Contracture		
	OR 045	Dr. Maya Argirova	Application of biosynthetic dressing in the surgical treatment of extensive and full thickness burns in children: a retrospective analysis		
	OR 046	Dr. Abbas Bayatli	Reconstruction of a Severe Knee Contracture with Reverse Flow Anterolateral Thigh Flap in a Pediatric Patient		
	OR 047	Dr. Khaled Zeynalov	Radial Forearm Snake Flap for the Reconstruction of a Hand Defect		
	OR 048	Dr. Amna Al Bahrani	Reconstruction of breast burn sequelae in young girls through tissue expansion starting in the prepubertal phase		

SCHEDULE

Day 2 - December 4, 2025 (continued)

START TIME	END TIME	SESSION	TITLE OF TALK	PRESENTER	MODERATORS
ROOM: AMPHITHEATER II					
	OR 049	Dr. Kenechukwu Anieze	Incision, Depth, and Decision: Evaluating Escharotomy Practice in Major Burns Over Five Years.		
	OR 050	Dr. Jasminka Mlnic	A Retrospective Analysis Study: Enzymatic Debridement (ED) in large burn patients		
11:22	11:37	Burn Reconstruction: Tissue Expanders		Josef Haik, MD	Jose Luis Cabral, MD
11:37	12:22	Industry Sponsored Presentations	Polylactic Acid Matrices – Why We Use Them	Ariel Miranda MD	Tina Palmieri, MD
			Ten Years of Experience with Nexobrid: Evolution and Optimization of Enzymatic Debridement in Burn Treatment	Ilaria Mataro	
			Bioptron Hyperlight in Burns and Wounds Healing	Aleksandar Neskovi, MD	
12:22	13:22	Lunch with Exhibitors			
13:22	13:54	Reconstruction Podium Presentations (3)			Jorge Villabalos, MD Sabri Demir, MD
	OR 061	Dr. Banu Zoroğlu	Pediatric Ear Burns: Epidemiology and Early Treatment Outcomes		
	OR 062	Dr. Abbas Bayatlı	A Severe Electrothermal Ring Burn Case and Proposed Treatment Algorithm		
	OR 063	Dr. Mehmet Albayrak	Terrible result of burn; neck contracture. How to manage?		
	OR 064	Dr. Salih Çanlar	Use of Matriderm® in the Reconstruction of Contracture Defects Due to Thermal Burn Sequelae		
13:54	14:09	Burn Aftercare Pain and Itch		Nadia DePetris, MD	Ariel Miranda, MD
14:09	14:24	Burn Aftercare Pain and Itch		Kathleen Romanowski, MD	
14:24	15:04	Scar Management Podium Presentations			Kathleen Romanowski, MD Cagri Uysal, MD
	OR 065	Dr. Virginia Galati	Correlation of O2C-Device with Cutometer and scar scales in evaluation of burn scars: a retrospective cohort study of scar elasticity and perfusion.		
	OR 066	Dr. Huseyin Ulas	The Role of Autologous Fat Grafting in Burn Scar Management		
	OR 067	Mrs. Argyro Pipinia	Scars Speak Greek: Cross-Cultural Validation of POSAS 3.0 for Greek-Speaking Populations		
	OR 068	Dr. Zeynep Büşra Ayhan	Atmospheric Glow Discharge Technology as an Innovative Approach to Wound and Scar Management: Preliminary Experimental Study in a Rat Model		
	OR 069	Dr. Tamara Gjorgjevska	Reshaping Scars with Fat: Multimodal Management Including Fat Grafting for Post- Electrocombustion Scars in a Teenager		

SCHEDULE

Day 2 - December 4, 2025 (continued)

START TIME	END TIME	SESSION	TITLE OF TALK	PRESENTER	MODERATOR
ROOM: AMPHITHEATER II					
15:04	15:34	Coffee Break with Exhibitors			
15:34	15:49	Burn Disaster in North Macedonia "What Went Well / What Needs To Be Improved"		Igor Peev, MD	Nadia Depetris, MD Serges Jennes, MD
15:49	16:19	Ethical Dilemmas in Burn Care		Jyrki Vuolo, MD Victoria Metaxa, MD	Folke Sjoberg, MD Deborah Knight, OT
16:19	16:43	Disaster Management/Ethics Podium Presentations			Vinita Puri, MD Kathe Conlon, RN
	OR 070	Dr. Gordana Georgieva	Clinical Outcomes and Lessons Learned from a National Mass Casualty Burn Disaster - Between heat and hope		
	OR 071	Dr. Cem Aydogan	From Pain Relief and Warming to Harm: Patterns and Mechanisms of Burns Caused by Hot Water Bags		
	OR 072	Ms. Sophia Paraskevopoulou	Attitudes of Burn Care Professionals Toward Futile Treatment and Ethical Dilemmas in Burn Management: A Survey of Greek-Speaking Burn Centers		
16:43	17:13	Best Case Competition			David Harrington, MD Ariel Miranda, MD
17:13	17:28	Conference Summary and Adjourn			

SCHEDULE

Day 2 - December 4, 2025 (continued)

START TIME	END TIME	SESSION	TITLE OF TALK	PRESENTER	MODERATORS
ROOM: AMPHITHEATER III					
08:00	08:15	Burn Rehabilitation (Occupational Therapy)		Deborah Knight, OT	Jill Meirte, PT, PhD
08:15	08:30	Burn Rehabilitation (Physical Therapy)		Jill Meirte, PT, PhD	Deborah Knight, OT
08:30	08:45	Speech, Swallowing, Trach Management		Sonia Tsipi, MD	Kathe Conlon, RN
08:45	09:00	Burn Nursing		Katie Hollowed, RN	
09:46	11:06	Rehabilitation/Nursing/Nutrition Podium Presentations			Deborah Knight, OT Jill Meirte, PT, PhD
	OR 051	Ms. Japleen Thind	Exploring an Association between Post-burn Pruritus and Anxiety, Depression, or Post-traumatic Stress Disorder: A Meta-Analysis and Systematic Review using Bradford Hill Criteria		
	OR 052	Dr. Burcu Akin Sari	Psychiatric Comorbidities in Burns in Children and Adolescents		
	OR 053	Mrs. Mine Seyyah	Is Burn Percentage a Predictor of Quality of Life in Burns?		
	OR 054	Ms. Alexandra Murray	Social media challenges associated paediatric burn		
	OR 055	Dr. Burcu Akin Sari	Frequency of Attention Deficit Hyperactivity Disorder in Child and Adolescent Patients Admitted to a Burn Center		
	OR 056	Dr. Inês Pires	Burnout Among Healthcare Professionals in a Burn Unit: Prevalence, Profiles, and Associated Factors		
	OR 057	Ms. Rebekah Allely	Addressing Intimacy and Sexuality within Burn Care: A Multi-Disciplinary Survey Analysis		
	OR 058	Dr. Kathrina Prelack	Prevalence of Malnutrition and Its Impact on Clinical Outcome in Internationally Referred Children with Large Burn Injury		
	OR 059	Dr. Francis Pleban	Child Fire-Related Mortality & Family Environmental Risks in the United States: An Analysis of National Fatality Review Case Reporting System Data		
	OR 060	Dr. Rahul Gorka	Development of a 3D-Printed Airplane Splint for the Management of Axillary Contracture in Burn Patients		
	OR 073	Dr. Petros Chassiotis	School-Based Health Education for Burn Prevention: "Investigating Adolescents' Knowledge, Attitude, and Needs"		

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PolyMedics Innovations GmbH (PMI) is a Germany-based specialist in synthetic dermal substitutes and advanced wound care, dedicated to improving outcomes in burn and reconstructive surgery. Since 2001, PMI has focused on developing fully synthetic, biodegradable materials that meet the demanding requirements of burn surgeons: biocompatibility, reliable healing, and reduced patient pain.

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Zepter International is a Swiss-based global enterprise committed to advancing health and wellbeing through cutting-edge technologies. A cornerstone of this mission is Bioptron AG, a Zepter company specializing in medically certified light therapy systems. Bioptron devices are widely recognized for their effectiveness in accelerating wound healing, reducing inflammation, and supporting non-invasive recovery, making them especially valuable in burn care and rehabilitation. At Zepter we view medical devices not merely as products, but as instruments of empowerment and prevention. Our dedication to science-backed innovation aligns with ISBI's mission to improve burn treatment worldwide. Through continuous research and collaboration, we strive to offer solutions that enhance patient outcomes and support healthcare professionals in delivering safer, faster, and more holistic care.

BRONZE



PolyNovo UK Limited

PolyNovo develops innovative medical devices utilising the patented bioabsorbable polymer technology NovoSorb®. NovoSorb is a family of proprietary medical grade polymers that can be expressed in a variety of physical formats. NovoSorb polymers have advantageous properties such as biocompatibility and design flexibility. These properties underpin novel medical devices designed to support tissue repair, before they biodegrade in situ into biocompatible by-products via established pathways. NovoSorb BTM (Biodegradable Temporarily Matrix) is the first product commercialised by PolyNovo.

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EXHIBITORS

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REFERENCES

- ¹ Uhlig et al. 2007: Burns. 33(2):221-9.
- ² Schwarze et al. 2007: Burns. 33(7):850-4.
- ³ Schwarze et al. 2008: Ann Plast Surg. 60(2):181-5.
- ⁴ Güneliöglu et al. 2019: J Burn Care Res. Jun 21;40(4):444-450
- ⁵ Demircan et al. 2021: Ulus Travma Acil Cerrahi Derg Actions. Jan;27(1):122-131.
- ⁶ Schriek et al. 2023: Eur. Burn J. 2022, 3, 1-9.



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- » Reduces the pH value ⁴

REFERENCES

- * Indicated for chronic wounds.
- ¹ Liden and Ramirez-GarciaLuna 2023: Wounds. 2023;35(8):E257-E260.
- ² Liden et al. 2024: Wounds. 2024 Sep;36(9):297-302.
- ³ Ring et al. 2010: Int J Artif Organs Dec;33(12):877-84 (preclinical data).
- ⁴ Unpublished data: pH reduction in vitro with different initial water pH values.



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References: 1. Greenwood JE, et al. Burns Open. 2018; 2. Greenwood JE, Anaesthesia and Intensive Care. 2020; 3. Schnitt B, et al. Burns. 2020 © PolyNovo and NovoSorb are registered trademarks of PolyNovo Biomaterials Pty Ltd.



John, salvaged arm
after burn trauma

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