

7th Wound and Tissue Repair Congress (WTRC 2020)

Program at the Glance

All sessions take place in **Tehran time**. Use the time zone converter to easily convert to your time

Session 1: Wednesday, December 2, 2020, 10:00-12:20










New insight into Wound Management during COVID-19 pandemic



Moderator: Gholamreza Esmaeeli Djavid, MD, PhD

Executive President

Assistant Professor of Biophysics, Medical Laser Research Center, Yara Institute, ACECR, Iran

10-11:20	 <p>Masoud Habibi, MD Chairman</p>	 <p>Seyed Mehdi Tabaie, MD President</p>	 <p>Parvin Mansouri, MD Clinical Sciences Co-Chair</p>	 <p>Mansour Jamali Zavareh, MD Basic Sciences Co-Chair</p>
Welcome Message	 <p>Hamidreza Tayebi, PhD President of ACECR Iran</p>	 <p>Mohammadreza Pourabedi, PhD Deputy of Research and Technology, ACECR, Iran</p>	 <p>Hossein Ali Shahriari, MD Professor of Ophthalmology, Head of Health and Medicare Committee, Islamic Parliament of Iran</p>	
	 <p>Vahid Ghobadi-dana, MD Head of State Welfare Organization of Iran</p>			
11:20-11:40	 <p>Bagher Larijani, MD Distinguished Professor of Endocrinology & Metabolism, Endocrinology and Metabolism Research Institute, Tehran University of Medical Sciences, Iran</p>	NCD and COVID-19: Global and national perspective		

11:40-12:00	 <p>Mohammadreza Zafarghandi, MD Professor of Vascular Surgery, Tehran University of Medical Sciences (TUMS), Iran</p>	New insight into venous insufficiency management
12:00-12:20	 <p>Mostafa Dahmardehei, MD Associate Professor of Plastic & Reconstructive Surgery, Burn Research Center, Iran University of Medical Sciences, Iran</p>	Skin substitutes in burn

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Session 2: Wednesday, December 2, 2020, 13:00-15:00

Surgery/Vascular/Perfusion



Moderator: Mohammad Nazari, MD
Assistant Professor of Interventional Radiology
Yara Institute, ACECR
Iran

13:00-13:20	<p>Abdolkhalegh Keshavarzi, MD Assistant Professor of General Surgery, Shiraz Burn and Wound Research Center, Shiraz university of medical science, Iran</p>	The effect of drainage catheter in the healing of grade 3 and 4 diabetic wound
13:20-13:40	<p>Shahpar Haghighat, MD, PhD Associate Professor, Motamed Cancer Institute, ACECR, Iran</p>	Compression therapy in venous leg ulcer: challenges and solutions
13:40-14:00	<p>Mohammad Nazari, MD Assistant Professor of Interventional Radiology, Yara Institute, ACECR, Iran</p>	Approach and treatment of lower extremity varicose veins
14:00-14:20	<p>Homan Riazi, MD Vascular Surgeon, Oberarzt der Gefäßchirurgie bei Evang Krankenhaus Herne, Germany</p>	Upper extremities arterial ulcers: diagnosis and treatment
14:20-14:40	<p>Tayyeb Ghadimi, MD Associate Professor of Plastic & Reconstructive Surgery, Burn Research Center, Iran University of Medical Sciences, Iran</p>	Maggot therapy as a safe debridement of necrotic and infected wound due to high voltage electrical injuries
14:40-15:00	<p>Hanna Tayeh ICW wound expert, International Inter- professional wound care course, Lebanon</p>	ICW Initiative: save wounds to save lives

15:00-15:15 Live: Question & Answer






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Session 3: Wednesday, December 2, 2020, 16:00-18:00







Nanomaterial and Biomaterials in Wound Care



Moderator: Khatereh Khorsandi, PhD
Assistant Professor of Biochemistry, Medical Laser Research Center,
Yara Institute, ACECR, Iran








16:00-16:20	 <p>Hamid Mirzadeh, PhD Professor of Polymer Engineering , Amirkabir University of Technology, Iran</p>	Different strategies for design and fabrication of wound dressing
16:20-16:40	 <p>Heidi Abrahamse, PhD Professor and Director of Laser Research Centre, University of Johannesburg, South Africa</p>	The combined effect of Photobiomodulation and green-synthesized silver nanoparticles for the treatment of diabetic wounds: In vitro studies
16:40-17:00	 <p>Khatereh Khorsandi, PhD Assistant Professor of Biochemistry, Medical Laser Research Center, Yara Institute, Iran</p>	Antimicrobial Photodynamic Inactivation: current statuses and future application
17:00-17:20	 <p>Mohammad hasan Soheilifar, PhD Research Fellow, Molecular Medicine, Yara Institute, ACECR, Iran</p>	Potential role of AngiomiRs in wound healing: an in-vitro study
17:20-17:40	 <p>Saeed Ur Rahman, PhD Assistant Professor, Tissue Engineering and Regenerative Medicine at IRCBM, COMSATS University Islamabad</p>	Smart Nano-biomaterials for Wound healing and Regenerative Medicine
17:40-18:00	Live: Question & Answer	

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Session 4: Thursday, December 3, 2020, 8:00-10:00		
Advanced Therapy Medicinal Products (ATMP) in Wound Management/		
 <p>Moderator: Hamidreza Bidkhori, MD, PhD Assistant Professor, Stem Cells and Regenerative Medicine Research Department, ACECR-Khorasan Razavi, Mashhad, Iran</p>		
8:00-8:30	 <p>COVID-19 Lecture: Thomas Serena, MD, FACS President, Association for the Advancement of Wound Care (AAWC). Director, Serena Group Research Foundation, USA</p>	Hyperbaric Oxygen reduces the need for Mechanical Ventilation in patients with severe COVID-19
8:30-8:45	 <p>Hamidreza Bidkhori, MD, PhD Assistant Professor, Stem Cells and Regenerative Medicine Research Department, ACECR-Khorasan Razavi, Mashhad, Iran</p>	The reparative capacity of mesenchymal stromal cells derived from distinct sources: an update
8:45-9:00	 <p>Somaieh Kazemnejad, PhD Associate Professor of Clinical Biochemistry, Reproductive Biotechnology Research Center, Avicenna Institute, ACECR, Iran</p>	Significant amelioration of diabetic wounds using menstrual blood stem cells seeded on bilayer nanofibers scaffold
9:00-9:20	 <p>Mehmet R. Dokmeci, PhD Associate Professor, Terasaki Institute for Biomedical Innovation, USA</p>	Organ on chip or microfluidic systems for modeling of wound healing and Angiogenesis
9:20-9:40	 <p>Aziz Ghahari, PhD Professor, University of British Columbia, Vancouver, Canada</p>	Therapeutic Use of Nutritional Liquid Scaffold for Treating Acute and None Healing Wounds
9:40-10:00	Live: Question & Answer	

Session 5: Thursday, December 3, 2020, 10:30-12:30

New Trends in Wound Management

 <p>Siamak Bashardoust Tajali, PhD, MCPT Assistant Professor, School of Rehabilitation, Tehran University of Medical Sciences, Iran</p>		
10:30-10:45	 <p>Mohammad Ali Nilforoushzadeh, MD Professor of Dermatology, Skin and Stem cell Research Center, Tehran University of Medical Sciences, Iran</p>	Stem cells in wound healing
10:45-11:00	 <p>Maryam Yazdizadeh, DDS Lecturer, UCLA School of Dentistry, USA</p>	Differential diagnosis of oral ulcers
11:00-11:15	 <p>Nasrin Zand, MD Assistant Professor of Dermatology, Medical Laser Research Center, Yara Institute, ACECR, Iran</p>	Photobiomodulation in management of oral mucositis
11:15-11:30	 <p>Moderator: Siamak Bashardoust Tajali, PhD, MCPT Assistant Professor, School of Rehabilitation, Tehran University of Medical Sciences, Iran</p>	Advanced High Power Lasers as minimal invasive Approaches for Tissue Healing
11:30-11:45	<p>COVID-19 Lecture</p>  <p>Mohammad Reza Mohajeri Tehrani, MD Professor, Endocrinology and Metabolism Research Institute, Tehran University of Medical Sciences. Iran</p>	Approach to diabetic foot ulcer management in COVID-19 pandemic based on IWGDF clinical guideline
11:45-12:15	 <p>Hans Smola, MD Professor of Dermatology, University of Cologne, Germany</p>	Hydro-responsive wound dressings for the treatment of complicated wounds
12:15-12:30	Live: Question & Answer	

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Session 6: Thursday, December 3, 2020, 13:30-15:30

Experimental Medicine in Wound Healing/Tissue Repair/Modeling



Moderator: Atefeh Shahbazi, PhD

Research Fellow of Cellular and Molecular Biology, Yara Institute, ACECR, Iran

13:30-13:45	 <p>Sahar Ijaz, PhD Lecturer, University of Veterinary and Animal Sciences, Lahore, Pakistan</p>	Mechanisms of wound healing and cell therapy
13:45-14:10	 <p>Majid Ebrahimi Warkiani, PhD Associate Professor in the School of Biomedical Engineering, University Technology Sydney, Australia</p>	Empirical systems in wound healing and repair
14:10-14:35	 <p>Naisana Seyedasl, PhD Senior Lecturer & Lead of Stem Cell and Cancer Biology Group, University of Sydney & Centre for Cancer Research, Westmead Institute for Medical Research, Westmead, NSW Australia</p>	Rebuilding the tissue complexity: lessons from 3D cancer models
14:35-14:50	 <p>Hoda Keshmiri-Neghab, PhD Research Fellow of Biophysics, Yara Institute, ACECR, Iran</p>	Directed osteogenic differentiation of mesenchyme stem cell by optogenetics
14:50-15:10	 <p>Atefeh Shahbazi, PhD Research Fellow of Cellular and Molecular Biology, Yara Institute, ACECR, Iran</p>	Tumorigenicity of cultured skin stem cells and their secretome
15:10-15:30	Live: Question & Answer	

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Session 7: Thursday, December 3, 2020, 16:30-18:30

Advanced Therapy Medicinal Products (ATMP) in Wound Management



Moderator: Siamak Bashardoust Tajali, PhD, MCPT,
Assistant Professor, School of Rehabilitation, Tehran University of Medical Sciences, Iran

16:30-16:50	 <p>Hassan Vahidnezhad, PhD Department of Dermatology, Thomas Jefferson University Hospitals, Philadelphia, USA</p>	Skin Fragility disorder: Paradigm of Epidermolysis Bullosa
16:30-16:50	 <p>Ensiyeh Hajizadeh-Saffar Assistant Professor, Royan Institute for stem cell biology and technology (RI-SCBT), ACECR, Iran</p>	Advanced therapy medicinal products (ATMP) in skin disorders
16:50-17:10	 <p>Angela Min Hwei Ng, PhD Associate Professor, Head of Tissue Engineering Centre, Universiti Kebangsaan Malaysia Medical Centre, Malaysia</p>	Secretome of adipose-derived mesenchymal stem cells promotes healing of diabetic wound
17:10-17:30	 <p>Gholamreza Esmaeeli Djavid, MD, PhD Assistant Professor of Biophysics, Medical Laser Research Center, Yara Institute, ACECR, Iran</p>	Allogeneic stem cell therapy in diabetic foot ulcers: a pilot study
17:30-17:50	 <p>Lucie Germain, PhD Professor, Canada Research Chair in Stem Cells and Tissue Engineering, Université Laval Research Chair on laboratory made organs and their clinical applications, Quebec, Canada</p>	Producing autologous tissues from stem cells by tissue engineering for the treatment of severe wounds
18:10-18:30	Live: Question & Answer	

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Session 8: Friday, December 4, 2020, 15:00-17:00

Telemedicine and Digital Health in Management of Chronic Wound/Diseases/Education



Moderator: Marjan Ghazi Saeedi, PhD

Associate Professor of Health Information Management, Tehran University of Medical Sciences , Iran

15:00-15:20	 <p>Farhad Fatehi, MD, PhD Digital Health Researcher, University of Queensland, Australia</p>	Telemedicine in dermatology: an Australian experience
15:20-15:40	 <p>Kambiz Bahaadinbeigy, MD, PhD Medical Informatics, Kerman University of Medical Sciences, Iran</p>	Needs assessment and readiness assessment for tele-wound care
15:40-16:10	 <p>Mansour Fatehi, MD Chief of Imaging informatics, Virtual University of Medical Sciences, Iran</p>	Technical and executive requirements of implementing a telemedicine unit
16:10-16:30	 <p>Hesamodin Allameh, MD, PhD Head of the Secretariat of the National Council of the Elderly, Iran</p>	Online, outline and telemedicine in geriatric medicine
16:30-16:50	 <p>Ebrahim Ebrahimbay Salami, PhD PhD in Information Technology Management, Smart Business Moderator of "SIB System" and "Baya"</p>	Challenges of Technology Application in Medicine in Iran
16:50-17:00	Live: Question & Answer	

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Session 9: Friday, December 4, 2020, 17:30-19:30

Challenges in Wound Management



Parvin Mansouri, MD,

Professor of Dermatology, Skin and Stem Cell Research Center, Tehran University of Medical Sciences, Iran

17:30-17:45		<p>Kamran Balighi, MD Associate Professor of Dermatology, Razi Hospital, Tehran University of Medical Sciences, Iran</p>	Hidradenitis Suppurativa: diagnosis and treatment
17:45-18:00		<p>Seyed Mehdi Tabaie, MD Associate Professor of Dermatology, Medical Laser Research Center, Yara Institute, ACECR, Iran</p>	Misdiagnosis of chronic wound
18:00-18:15		<p>Masoumeh Rohaninasab, MD Assistant Professor of Dermatology, Iran University of Medical Sciences, Iran</p>	Factitial wound (self-induced wounds)
18:15-18:30		<p>Jouni Uitto, MD, PhD Professor of Dermatology, Chair and Professor of Department of Dermatology and Molecular Medicine, Thomas Jefferson University, USA</p>	Skin fragility syndromes: challenging cases, current treatment and therapeutic development
18:30-19:00		<p>COVID-19 Lecture: Parvin Mansouri, MD, Professor of Dermatology, Skin and Stem Cell Research Center, Tehran University of Medical Sciences, Iran</p>	Skin barrier in COVID-19 pandemics
19:00-19:30	Live: Question & Answer		

Pre-Congress Program WTRC 2020

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Session 1: Thursday, December 1, 2020, 15:00-16:30		
Nano-Biotechnology in Wound Healing and Tissue Regeneration (1)		
Moderators: Farhad Seif, PhD, Immunologist, Research Fellow at Yara Institute, ACECR, Iran		
15:00-15:15	Maryam Khaleghi	Formulation of a bio-hydrogel based on cross-linked hyaluronic acid for soft tissue engineering perspectives
15:15-15:30	Maryam Tavakolizadeh	An environmentally friendly wound dressing based on self-healing, extensible and compressible antibacterial hydrogel
15:30-15:45	Fatemeh Kalalinia	Evaluation the performance of chitosan-PEO nanofibers containing teicoplanin for wound healing
15:45-16:00	Narges Toolabi	Cell and molecular regulators of aged alveolar macrophages might involve in severity of Covid-19 symptoms.
16:00-16:15	Asieh Rahimi	Dental pulp stem cells: function, isolation and applications in regenerative medicine. review
16:15-16:30	Live: Question & Answer	

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Session 2: Tuesday, December 1, 2020, 17:00-18:30		
Nano-Biotechnology in Wound Healing and Tissue Regeneration (2)		
Moderators: Khatereh Khorsandi, PhD, Assistant Professor of Biochemistry, Yara Institute, ACECR, Iran		
17:00-17:15	Razieh Dalirfardouei	A meta-proteomics analysis reveals the wound healing mechanisms of extracellular vesicles derived from MSCs
17:15-17:30	Mina Shahriari-Khalaji	Development of Antibacterial Bacterial Nanocellulose (BNC)/Alginate Based Composite for wound dressing application
17:30-17:45	Tayebah Baniasadi	Development of a Post-Discharge Follow-up System for Surgical Wound Teleassessment
۱۷:۴۵-۱۸:۰۰	Shiva Shahabi	The Effect of Laser Photobiomodulation on Periodontal Ligament Stem Cells
18:00-18:15	Mehdi Varsei	Preparation and characterization of Peppermint Essential Oil loaded alginate/polyvinyl alcohol) electrospun Nano fibers for Wound Dressing Applications
18:15-18:30	Live: Question & Answer	