

Program

December 19 (Sun.), 2021 Main Venue (5F · 502)

Scar Therapy 1

9:00-9:40

Chair: Toshihiko Hayashi (Asahikawa Medical University Hospital)

- 1. Long-term outcome and recurrence-free interval after the treatment of keloid with surgical excision**
Toshihiko Hayashi (Asahikawa Medical University Hospital)
- 2. Treatment and management of keloids and hypertrophic scars with silicone cushion.**
Yasuyoshi Tosa (Showa University, Tokyo, Japan)
- 3. Keloid Today: 3 Year-Experience in Keelung Chang Gung Memorial Hospital**
Chia Hsuan Tsai (Department of Plastic and Reconstructive Surgery, Chang Gung Memorial Hospital, Keelung branch College of Medicine, Chang Gung University)
- 4. Zhang's Suture Method: A New Over-everted Tension-relieving (OETR) suture technique**
Yixin Zhang (The department of Plastic Surgery, Shanghai Ninth People's Hospital)

Scar Mechanisms 1

9:40-10:40

Chair: Naoki Murao (Department of Plastic and Reconstructive Surgery, Tonan Hospital)

- 1. The systemic factors shaping cutaneous pathological scarring and potentially involved in scar management**
Chenyu Huang (Department of Dermatology, Beijing Tsinghua Changgung Hospital, School of Clinical Medicine, Tsinghua University, Beijing 102218, China)
- 2. Molecular dissection of scar formation at single cell level**
Chao-Kai Hsu (Department of Dermatology, College of Medicine, National Cheng Kung University, Tainan, Taiwan)
- 3. Relationship between Keloid Pathogenesis and Fibrocyte**
Munetomo Nagao (Department of Plastic and Reconstructive Surgery, Tohoku University, School of Medicine.)
- 4. Proinflammatory Cytokines and CD4+ T Cells in Keloid Pathogenesis**
Naoki Murao (Department of Plastic and Reconstructive Surgery, Tonan Hospital /
Department of Plastic and Reconstructive Surgery, Faculty of Medicine, Hokkaido University)
- 5. The role of the Hedgehog signaling pathway in keloid.**
Mamiko Tosa (Plastic, Reconstructive and Aesthetic Surgery, Nippon Medical School)
- 6. Energy Metabolism of Keloids and Scars**
Koichi Ueda (Department of Plastic and Reconstructive Surgery, Osaka Medical and Pharmaceutical University)

Scar Prevention and Assessment 1

10:50-11:40

Chair: Fumiaki Shimizu (Department of Plastic Surgery, Oita University Hospital)

1. Total auricular construction for microtia -Importance of postoperative wound and scar management to achieve optimal outcomes

Akira Yamada (Professor of Surgery
Northwestern University Feinberg School of Medicine
Ann & Robert H. Lurie Children's Hospital of Chicago
Division of Plastic Surgery)

2. Clinical application of the novel artificial dermis that can sustain basic fibroblast growth factor

Naoki Morimoto (Kyoto University)

3. Wound management in head and neck reconstruction

Minoru Sakuraba (Iwate Medical University)

4. Thick vermilion due to scar tissue after cleft lip surgery becomes thinner as it grows over 12 years

Shunsuke Yuzuriha (Department of Plastic and Reconstructive Surgery, Shinshu University School of Medicine)

5. Assessment of scar's severity using artificial intelligence

Fumiaki Shimizu (Department of Plastic Surgery, Oita University Hospital)

Luncheon Seminar

11:50-12:40

Chair: Akira Takeda (Dept. of plastic and aesthetic surgery, Kitasato Univ.)

Treatment of deliberate self-harm scars in a Wound and Scars Clinic

Hideyuki Muramatsu (Wound and Scars Clinic in Toyosu)

Sponsored by: Syneron Candela K.K.

Scar Mechanisms 2

12:50-13:40

Chair: Keisuke Okabe (Keio University)

1. Neurovascular interplay in skin homeostasis and healing

Alexis Desmoulière (University of Limoges / Faculty of Pharmacy)

2. Keloid histology viewed with a multi-beam scanning electron microscope

Noriko Aramaki-Hattori (Department of Plastic and Reconstructive Surgery, Keio University School of Medicine)

3. Mechanical force in keloid

Keisuke Okabe (Keio University)

4. Basic and clinical mechanobiological computing simulation of keloid

Satoshi Akaishi (Department of Plastic, Reconstructive and Aesthetic Surgery, Nippon Medical School, Tokyo, Japan)

5. COMPLETE REGENERATION OF SKIN

Kazuo Kishi (Dept of Plastic and Reconstructive Surgery, Keio University)

Scar Prevention and Assessment 2

13:40-14:30

Chair: Teruyuki Dohi (Department of Plastic, Reconstructive and Aesthetic Surgery, Nippon Medical School)

1. Novel approach in surgical scar prevention: Pre-emptive pre-injury modulation of skin scarring

Ardeshir Bayat (Professor and Co-director of the Medical Research Council (SA) Wound Healing Research Laboratory at the University of Cape Town in South Africa)

2. Early wound manipulation for scar prevention of a healed wound

Wei Liu (Department of Plastic and Reconstructive Surgery, Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine)

3. Pathogenesis of skin atrophy due to HIV-associated metabolic disorder by the mesenchymal stem cells

Sadanori Akita (Fukushima Medical University)

4. Scar assessment using Scar-Q; a patient-oriented outcome, and Japanese language translation.

Hajime Matsumura (Department of Plastic and Reconstructive Surgery, Tokyo Medical University)

5. Current strategies in site-specific surgical treatment of abnormal scarring to minimize skin tension

Teruyuki Dohi (Department of Plastic, Reconstructive and Aesthetic Surgery, Nippon Medical School)

Afternoon Seminar

14:40-15:30

Chair: Satoko Yamawaki (Department of Plastic & Reconstructive Surgery Japanese Red Cross Osaka Hospital)

Total Scar Management including Surgery and Postoperative Care

Rei Ogawa (Department of Plastic, Reconstructive and Aesthetic Surgery, Nippon Medical School, Tokyo, Japan)

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Scar Academy Session

15:40-16:30

Chair: Peter Moortgat (OSCARE, Antwerp, Belgium)

1. From hands-on to lasers: a multidisciplinary approach to scar management

Jorge Leon-Vilapalos (Chelsea & Westminster NHS, London + London Scar Clinic)

2. Theoretical basis for optimal surgical incision planning to reduce hypertrophic scar formation

Oliver Rennekampff (Dept of Plastic Surgery, Rhein Maas Klinikum)

3. Extracorporeal Shockwave Therapy (ESWT) as a scar modulation tool

Peter Moortgat (OSCARE, Antwerp, Belgium)

4. Understanding scars by building 'The Scar Model'

Paul van Zuijlen (Plastic surgeon and Medical director of the Burn Center of the Red Cross Hospital, Beverwijk, The Netherlands.)

5. From cellular mechanotransduction to mechanotherapy in physical scar management: facts and gaps.

Ulrike Van Daele (University of Antwerp, Rehabilitation Sciences and Physiotherapy, Belgium / OSCARE, Organisation for burns, scar after-care and research, Antwerp, Belgium)

Chair: Keisuke Okabe (Keio University)

1. **Hypertrophic Scars and Mature Scars treatment using fractional energy devices**
Taro Kono (Department of Plastic Surgery, Tokai University School of Medicine)
2. **COMBINATION BETWEEN SURGICAL AND RADIATION THERAPY FOR SCAR MANAGEMENT**
Vu Quang Vinh (Plastic and Reconstructive, Aesthetic Centre, Vietnam National Hospital Of Burn)
3. **Scar Revision Using Skin Substitutes**
Esther Middelkoop (Plastic, Reconstructive & Hand Surgery, Amsterdam Movement Sciences, AUMC, Vrije Universiteit Amsterdam / Association of Dutch Burn Centers)
4. **Laser and injections: which combinations for which indications?**
Gerd Gauglitz (Dept. of Dermatology and Allergy, Ludwig Maximilian University Munich)
5. **Scars and telemedicine**
Luc Téot (Wound and scars healing Network Montpellier University Center)