

# APBC Symposium 1

Live-streaming

Saturday, October 23 11:00 - 11:50

## Burn Care During the COVID-19 Pandemic

Moderator : Hiroto IKEDA

Department of Emergency Medicine  
Teikyo University school of Medicine  
JAPAN

Niann-Tzyy DAI  
Department of Surgery  
Tri-Service General Hospital  
TAIWAN

### **ASY1-1 The impact of COVID-19 on burn care in Japan**

Tetsuro KIYOSUMI

Department of Defense Medicine, National Defense Medical College / Japanese Society for  
Burn Injuries  
JAPAN

### **ASY1-2 Restructuring burns management during the COVID-19 pandemic: A Malaysian experience**

Devananthan ILENGHOVEN

Universiti Teknologi MARA  
MALAYSIA

### **ASY1-3 Application of Continuous Home Remote Visiting Mode Based on Standardized Communication System in Visiting Management of Severe Burn Patients in Post-epidemic Era**

Ning LI

Department of Burns, The First Affiliated Hospital of Army Medical University  
CHINA

### **ASY1-4 Characteristics of burn injury during COVID-19 pandemic in Tokyo Metropolis**

Ryo YAMAMOTO

Department of Emergency and Critical Care Medicine, Keio University School of Medicine  
JAPAN

### **ASY1-5 Burn Care during the Covid 19 pandemic**

Kuldeep SINGH

Indraprastha Apollo Hospital  
INDIA

## APBC Symposium 2

Live-streaming

Saturday, October 23 13:25 - 14:45

### Management of Burn Wound Infection

Moderator : Jun WU

Department of Burn and Plastic Surgery  
The First Affiliated Hospital, Shenzhen University  
CHINA

Hiroyuki SAKURAI  
Plastic and Reconstructive Surgery  
Tokyo Women's Medical University  
JAPAN

#### **ASY2-1 Burn Wound Debridement for Infection Control in Massive Burn**

Pornprom MUANGMAN

Department of Surgery, Faculty of Medicine Siriraj Hospital, Mahidol University  
THAILAND

#### **ASY2-2 Prevention of nosocomial infection in hydrotherapy in shared showers facility**

Yoshitaka KUBOTA

Department of Plastic Surgery, Chiba University  
JAPAN

#### **ASY2-3 Wound bed preparation with maintenance debridement for engraftment skin graft**

Minoru HAYASHI

St. Mary's Hospital  
JAPAN

#### **ASY2-4 Management of burn wound infection and unique aetiology**

Farrah Hani IMRAN

Universiti Kebangsaan Malaysia Medical Centre  
MALAYSIA

## APBC Symposium 3

Live-streaming

Saturday, October **23**    **16 : 40 - 18 : 00**

### Infection Control in Burn ICU/Burn Unit

Moderator : Folke SJÖBERG

The Burn Center, Linköping University Hospital  
Department of Biomedical Clinical and Clinical Sciences  
(BKV), Linköping University  
SWEDEN

Jun ODA

Emergency and Critical Care Medicine  
Tokyo Medical University  
JAPAN

#### **ASY3-1 Usefulness of surveillance wound cultures for severe burn patients**

Yasuhiko KAITA

Department of Trauma and Critical Care Medicine Kyorin University, School of Medicine  
JAPAN

#### **ASY3-2 Infection Prevention and Antibiotic Stewardship in Burn Patients from Formosa Fun Coast Dust Explosion**

Sheng-Kang CHIU

Division of Infectious Diseases and Tropical Medicine, Taipei Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation / Division of Infectious Diseases and Tropical Medicine, Department of Medicine, Tri-Service General Hospital, National Defense Medical Center  
TAIWAN

#### **ASY3-3 Application of ECMO for burns**

Gaoxing LUO

Institute of Burn Research, State Key lab of Trauma, Burn and Combined injury, Southwest Hospital, Third Military Medical University  
CHINA

#### **ASY3-4 Infectious control in the Burn ICU/Burn Unit - A holistic Approach**

Folke SJÖBERG

The Burn Center Linköping University Hospital, Departments of Biomedical and Clinical Sciences (BKV), Linköping University Hospital,  
SWEDEN

## APBC Symposium 4

Live-streaming

Sunday, October 24 11:00 - 12:20

### Burn Treatment Guideline

Moderator : David G GREENHALGH

Division of Burn Surgery

Shriners Hospitals for Children Northern California and University of California, Davis  
USA

Asako MATSUSHIMA

Department of Advancing Acute Medicine

Nagoya City University Graduate School of Medical Sciences  
JAPAN

**ASY4-1 Chinese Burn Association expert consensus on the operation and management of deep vein catheterization in severe burn patients (2020 version)**

Jun WU

The First Affiliated Hospital, Shenzhen University  
CHINA

**ASY4-2 Goal-directed fluid resuscitation protocol with early colloid intervention in major burns: The first 48 post burn hours**

Hao-Yu CHIAO

National defense medical center / Tri-service general hospital  
TAIWAN

**ASY4-3 Fluid resuscitation in new practical guidelines for burn care in Japan**

Yukio SATO

Department of Emergency and Critical Care Medicine, Keio University School of Medicine  
JAPAN

**ASY4-4 Burn Treatment Guidelines - Need of the hour in India**

Vinita PURI

Seth G S Medical College and KEM Hospital  
INDIA

**ASY4-5 Treatment of the massive burn patient**

David G. GREENHALGH

Shriners Hospitals for Children Northern California and Department of Surgery,  
University of California  
USA

## APBC Symposium 5

Live-streaming

Sunday, October **24**      **13 : 20 - 14 : 50**

### **Scar Management and Surgery, Post-Burn Scar Contracture and Keloids**

Moderator : Dong Chul KIM

Department of Plastic and Reconstructive Surgery  
Advanced Burn Reconstruction Center, Bundang Jesaeng Hospital  
KOREA

Rei OGAWA

Department of Plastic, Reconstructive and Aesthetic Surgery  
Nippon Medical School  
JAPAN

#### **ASY5-1 Useful and effectiveness of Burn scar management using by FTSG with fat graft**

Young Chul JANG  
BPS Soo Hospital  
KOREA

#### **ASY5-2 RECONSTRUCTION OF LARGE BURN SCAR - DIFFICULTIES AND CHALLENGE**

Vinh Quang VU  
Vietnam national hospital of burn  
VIETNAM

#### **ASY5-3 Free Tissue Transfer for Post-burn Reconstruction**

Hiroyuki SAKURAI  
Department of Plastic and Reconstructive Surgery, Tokyo Women's Medical University  
JAPAN

#### **ASY5-4 Use of Tissue Expanders in Burn Reconstruction: Our experience**

Vinita PURI  
Seth G S Medical College and KEM Hospital  
INDIA

#### **ASY5-5 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  
TAIWAN

**ASY5-6 The systemic factors shaping cutaneous pathological scarring and potentially involved in scar management**

Chenyu HUANG

Beijing Tsinghua Changgung Hospital, Tsinghua University  
CHINA

**ASY5-7 Super tension-relieving suture technique combined with adjuvant radiotherapy in keloid management**

Yixin ZHANG

Department of Plastic and Reconstructive Surgery, Shanghai Ninth People's Hospital /  
Shanghai JiaoTong University School of Medicine  
CHINA

## APBC Symposium 6

Live-streaming

Sunday, October **24**      **15 : 50 - 17 : 35**

### Laser/Aesthetic Treatment in Burn Care

Moderator : Jui-Yung YANG

Plastic & Reconstructive surgery, Burn Center  
Chang Gung Memorial Hospital and University  
TAIWAN

Taro KONO

Department of Plastic Surgery  
Tokai University  
JAPAN

#### **ASY6-1 Improvement of hypertrophic scar by early intervention with ablative fractional carbon dioxide laser**

Jianlin TAN

Institute of Burn Research, State Key Laboratory of Trauma, Burns and Combined Injury,  
Chongqing Key Laboratory for Disease Proteomics, Southwest Hospital, Army Medical  
University  
CHINA

#### **ASY6-2 Effect analysis of early application of sequential laser in treatment of hypertrophic scar in children with burn**

Chunhui XIE

The First Hospital of Jilin University  
CHINA

#### **ASY6-3 Aesthetic Burn Reconstruction -from Laser and Make-up Therapy to Surgery-**

Rei OGAWA

Department of Plastic, Reconstructive and Aesthetic Surgery  
Nippon Medical School  
JAPAN

#### **ASY6-4 Management of burn scar with dermabrasion and non-cultured regenerative epithelial suspension**

Liang QIAO

Department of Burn and Plastic Surgery, Ruijin Hospital, School of Medicine, Shanghai  
Jiaotong University  
CHINA

#### **ASY6-5 Laser treatments in burn and traumatic scars**

Whoraphong MANUSUKIATTI

Department of Dermatology, Faculty of Medicine Siriraj Hospital, Mahidol University  
THAILAND

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### Basic Research

**AO-01 Adjustable biodegradability of low-swelling hydrogels prepared from recombinant peptides based on human collagen type 1**

Takashi NAKANO

Department of Plastic and Reconstructive Surgery, Graduate School of Medicine, Kyoto University, JAPAN

**AO-02 BMSCs derived exosomes alleviate smoke inhalation lung injury**

Guang-Hua GUO

The First Affiliated Hospital of Nanchang University, CHINA

**AO-03 Role and mechanism of PI3K/AKT/FoxO1/PDX-1 signaling pathway in functional changes of pancreatic islets in rats after severe burns**

Bohan ZHANG

The Fourth Medical Center of Chinese PLA General Hospital, CHINA

**AO-04 Study on changes of insulin secretion and signal transduction mechanism in rats at early stage post severe burns**

Dawei LI

The Fourth Medical Center of Chinese PLA General Hospital, CHINA

**AO-05 Long-term influence of burns on islets**

Xinzhu LIU

The Fourth Medical Center of Chinese PLA General Hospital, CHINA

**AO-06 Tideglusib Promotes Wound Healing in Aged Skin by Up-regulating Epidermal Growth Factor Receptors**

Jiachen SUN

The Fourth Medical Center of Chinese PLA General Hospital, CHINA

**AO-07 Adiponectin receptor agonist AdipoRon blocks skin inflamm-aging by regulating mitochondrial dynamics**

Jiachen SUN

The Fourth Medical Center of Chinese PLA General Hospital, CHINA

**AO-08 Protective effects of ginsenoside Rc against severe burn-induced myocardial injury in rats**

Yan XUE

the Department of Burn Surgery, the First Hospital of Jilin University, CHINA

**AO-09** Resistance reversal of methicillin-resistant *Staphylococcus aureus* through regulation of *MecA* gene by sub-high temperature photothermal and its mechanism

Xinxin CHEN

The Department of Burn Surgery, the First Hospital of Jilin University, CHINA

**AO-10** Cucurbitacin E induces autophagy-involved apoptosis in intestinal epithelial cells

Huapei SONG

State Key Laboratory of Trauma, Burn and Combined Injury, Institute of Burn Research, Southwest Hospital, Third Military Medical University, CHINA

**AO-11** Withdrawal

**AO-12** Creating a third-degree burn model using Japanese fire belly newt

Ikkei TAKASHIMIZU

Department of Plastic and Reconstructive Surgery, Shinshu University School of Medicine, JAPAN

**AO-13** Network analysis revealed central genes expressions in the blood in patients with severe burns.

Yuki TOGAMI

Department of Traumatology and Acute Critical Medicine, Osaka University Graduate School, JAPAN

**AO-14** Ellagic acid exerts anti-fibrotic effects via TGF-  $\beta$  1/Smad2/3 pathway suppression in hypertrophic scar fibroblasts

Xianglong MENG

Department of Burns Surgery, the First Hospital of Jilin University, CHINA

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### Burn Care Facility

**AO-15** a new burn unit in Uttarakhand

Vishal MAGO

AIIMS Rishikesh, INDIA

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### Clinical and Intensive-Care

**AO-16 The Effect of Direct Peritoneal Resuscitation on Mice with Severe Burn Shock and Its Mechanism**

Dawei LI

The Fourth Medical Center of Chinese PLA General Hospital, CHINA

**AO-17 Blood Loss in Burn Surgeries: Prediction and Its Related Factors**

Leorca AURINO

Faculty of Medicine Universitas Indonesia, INDONESIA

**AO-18 ROLE OF ACUTE KIDNEY INJURY IN SEVERELY BURNED PATIENTS**

Zhiqiang YUAN

Institute of burn research, Southwest hospital, CHINA

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### Disaster-Management

**AO-19 Withdrawal**

**AO-20 Triage and transportation for Kyoto Animation Arson Attack**

Kenichiro TAKASHINA

Emergency and Critical Care Medical Center, Japanese Red Cross Society Kyoto Daiichi Hospital, JAPAN

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### Electrical and Chemical Burns

**AO-21 A Case of Chemical Injury Around the Anus After Drinking Kerosene**

Yohei SUGI

Department of Emergency and Critical Care, National Hospital Organization Kumamoto Medical Center, JAPAN

**AO-22 Chemical burn of the face, mouth, pharynx, and esophagus caused by alkaline powder ingestion: a case report**

Ryosuke YUNOKI

Trauma and Emergency Center, Fukaya Red Cross Hospital, JAPAN

**AO-23** The Evaluation of Golden Period of Fasciotomy for High Voltage Electrical Burn Injury Patients with Compartment Syndrome  
 Almahitta Cintami PUTRI  
 Division of Plastic Reconstructive and Aesthetic Surgery, Department of Surgery, Faculty of Medicine, Universitas Padjajaran (FK UNPAD), Dr. Hasan Sadikin Hospital / Graduate School of Biomedical Sciences, Doctoral Program, FK UNPAD, INDONESIA

**AO-24** Epidemiology of electrical burns: A 5 year retrospective analysis of 131 cases at dr Kariadi Central General hospital between January 2015 and December 2019  
 Silvina SUTEDJO  
 Diponegoro University Medical Faculty, INDONESIA

**AO-25** Amputation of Upper Limb Following Electric Burn Injury: Bangladesh Experience  
 Most. Nurunnahar BEGUM  
 Sheikh Hasina National Institute of Burn and Plastic Surgery, BANGLADESH

**AO-26** COMPARATIVE ANALYSIS OF MIDLINE VS CONVENTIONAL TYPE FASCIOTOMY IN COMPARTMENT SYNDROME OF UPPER LIMB IN POST ELECTRIC BURN PATIENTS  
 Manish M BHARADWAJ  
 Patna medical college and hospital, INDIA

**AO-27** Outcome of Transposition flap in Scalp Reconstruction following Electric Burn  
 Most. Nurunnahar BEGUM  
 Sheikh Hasina National Institute of Burn and Plastic Surgery, BANGLADESH

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### Epidemiology

**AO-28** When does a burn patient die?  
 Akinori OSUKA  
 Department of Trauma, clitical care & burn center  
 JCHO Chukyo Hospital, JAPAN

**AO-29** Survey on the current status of self-immolation attempts in Akita Prefecture  
 Yasuhito IRIE  
 Department of Emergency and Critical Care Akita University Graduate School of Medicine, JAPAN

**AO-30 The epidemiology of alcohol burns in Beijing, China: 163 cases from 2015 to 2020**

Wen ZHANG

The Fourth Medical Center of Chinese PLA General Hospital, CHINA

**AO-31 Retrospective analysis of bloodstream fungal infections in severe burn patients**

Cheng ZHANG

Southwest Hospital, CHINA

**AO-32 The trends of burn patients in Tokyo analyzed the data of TBUA during recent 30 years**

Naoki MORITA

Department of Plastic and Reconstructive Surgery Tokyo Metropolitan Hiroo Hospital, JAPAN

**AO-33 Burns First Aid and Burn-Related Nutrition Among 2437 Inhabitant in Saudi Arabia: A Nationwide Survey**

Faisal Ali AL JABR

College of Medicine, King Faisal University, SAUDI ARABIA

**AO-34 Epidemiological Study of Burn Patients in only tertiary care center in resource crunch state of Eastern India**

Ashutosh SHANKHDHAR

Patna medical college and hospital, INDIA

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### Ethics

**AO-35 The value of renal injury marker protein in the early clinical diagnosis of burn delayed resuscitation of acute renal injury**

Xiaoliang LI

Zhengzhou first people hospital, CHINA

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### Infection Control

**AO-36 A single center study on antimicrobial use and bacterial resistance in burn ward**

Dou YI

Ruijin Hospital, Shanghai Jiaotong University School of Medicine, CHINA

**AO-37** Discovery of a Novel lytic bacteriophages of carbapenem-resistant *Klebsiella, kpssk3*

Yizhi PENG

Burn Institute, Southwest Hospital, The Third Military Medical University, CHINA

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### Management of Burns in Developing Countries

**AO-38** The prognostic value of serum procalcitonin measurements in severe burn patients: A retrospective study

Zhaoxing LIU

The Fourth Medical Center of Chinese PLA General Hospital, CHINA

**AO-39** Intermingled skin allograft and autograft use in the treatment of major burns in older adults

Hongmin LUO

Guangdong Provincial People's Hospital, Guangdong Academy of Medical Sciences, CHINA

**AO-40** Epidemiology and Knowledge of First Aid Treatment Related to Burn Injury in the Rural Region of Kulon Progo, Indonesia

Almas Nur PRAWOTO

Wates Regional Hospital, INDONESIA

**AO-41** The predictive value of first operation after burn in extremely severe burn patients

Wei ZHU

Institute of Burn Research, Southwest Hospital, Army Medical University, CHINA

**AO-42** Clinician Interviews to Determine Opinion on Risk Factors for Burn Contracture Formation

Ruthann FANSTONE

Global Centre for Burn Injuries Policy and Research, Swansea University, UK

**AO-43** Out of the box solutions for tissue protection in postoperative period

Armaan KHOSA

Seth GS Medical College & KEM Hospital, INDIA

**AO-44** Holistic Burn Care To All: Survival and Beyond

Raghav SHROTRIYA

Department of Plastic Surgery, Seth GS Medical College and KEM Hospital, INDIA

**AO-45** Retrospective evaluation of geriatric burn patients treated in a tertiary care burn unit.

Raghav MAGO

Department of Plastic & Reconstructive Surgery, K.E.M Hospital, INDIA

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### Nursing

**AO-46** Study on Application and Therapeutic Effect of Citric Acid In-vitro Anticoagulation Standard Nursing Intervention Techniques in Blood Purification Treatment for the Severely Burned

Ning LI

Department of Burns, The First Affiliated Hospital of Army Medical University, CHINA

**AO-47** Application of sequential rehabilitation nursing technology in new healing skin care after deep burn of face and neck

Ning LI

Department of Burns, The First Affiliated Hospital of Army Medical University, CHINA

**AO-48** Humanistic care in continuous care to reduce incidence of delirium and the application of large area burn patients

Ting Ting HE

The First Hospital of Jilin University, CHINA

**AO-49** Analysis of causes of hypothermia and nursing intervention in patients with severe burn

Wu Ming ZHANG

The First Hospital of Jilin University, CHINA

**AO-50** Clinical application of intravenous anesthesia combined with ultrasound guided PICC catheter in children with severe burns

Yan MA

The First Hospital of Jilin University, CHINA

**AO-51** Application of fast track surgery in patients with deep stress injury

Dan CHENG

The First Hospital of Jilin University, CHINA

**AO-52** Application of MDT with Hand Function Rehabilitation Video Production in Home Nursing Care for Children with Burns

Duo CAI

The First Hospital of Jilin University, CHINA

**AO-53 INFECTION CONTROL HANDS THAT HEAL SHOULD NOT BE THAT HAND THAT KILLS… SPREAD THE CARE AND NOT THE GERMS!**

Vijayalakshmi PILLAI

Military Hospital Jalandhar Punjab India, INDIA

**AO-54 BURN DRESSING AN ART** Lone nurse an artist has been painting for three hours yet feels like 30 minutes have gone by

Vijayalakshmi PILLAI

Military Hospital Jalandhar Punjab India, INDIA

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**Outcome Measures**

**AO-55 Post-burn incidence of contractures in one year.**

Ankit MISHRA

Choithram Hospital And Research Centre, INDIA

**AO-56 PREVENTION OF LONG TERM BURN COMPLICATIONS - PIVOTAL ROLE FOR BURN NURSES**

Siji BHASKARAN

Maharashtra University of Health Sciences / Armed Forces Medical College Pune / Command Hospital Kolkata, INDIA

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**Pain Management**

**AO-57 HEALING TOUCH WITH HOLISTIC NURSING - PATHWAY TO PAIN MANAGEMENT IN BURNS**

Siji BHASKARAN

National Academy of Burns India / Command Hospital Eastern Command Kolkata / Maharashtra University of Health Sciences / Indian Nursing Council / Trained Nurses Association of India / Society of Midwives India, INDIA

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**Pediatric Burn**

**AO-58 Withdrawal**

**AO-59 A scalded 2-year-old child associated with acute encephalopathy: a case report**

Keiichiro NAKAGOMI

Trauma and Emergency Center, Fukaya Red Cross Hospital, JAPAN

**AO-60 Autologous scar-related tissue for reconstruction of large area burn scars of children**

Juntao HAN

Department of Burns and Cutaneous Surgery, Xijing Hospital, Air Force Medical University, CHINA

**AO-61 Is Fever in Pediatric Burn relevant to successive Infection?**

Erina KAWABATA

Plastic Surgery, Osaka Medical College, JAPAN

**AO-62 Hypnotherapy for Procedural Pain, Itch and State Anxiety in Children with Acute Burns: A Feasibility and Acceptability Study Protocol**

Daly GEAGEA

Centre for Children's Burns and Trauma Research / The University of Queensland, AUSTRALIA

**AO-63 Pattern of Presentation of Pediatric Burn During Covid -19 Pandemic**

Most. Nurunnahar BEGUM

Sheikh Hasina National Institute of Burn and Plastic Surgery, BANGLADESH

**AO-64 Retrospective evaluation of paediatric burn patients treated in a tertiary care burn unit**

Armaan KHOSA

Seth GS Medical College & KEM Hospital, INDIA

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### Pre-Hospital Burn Care

**AO-65 Estimation of Total Body Surface Area Burned - A Comparison Between Burn Unit and Referring Facilities**

Hui Lian HO

Department of Surgery, Faculty of Medicine and Health Sciences, Universiti Malaysia Sabah / Reconstructive Science Unit, School of Medical Sciences, Universiti Sains Malaysia, MALAYSIA

**AO-66 Knowledge of burn first aid practices among the community and challenges faced by healthcare workers in managing burn injury at primary health care in Kota Selatan, Gorontalo.**

Azmi Ritana NANO

Kota Selatan Primary Health Care, INDONESIA

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**Prevention**

**AO-67** Does a respiratory circuit equipped with a heated humidifier cause moderate-temperature burns? - Measurement of circuit surface temperature -

Masato AKIMOTO

Department of Plastic and Reconstructive Surgery, Shinshu University School of Medicine, JAPAN

**AO-68** Prevention of microstomia in patients having peri-oral burns

Raghav SHROTRIYA

Department of Plastic Surgery, Seth GS Medical College and KEM Hospital, INDIA

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**Psychological Reaction**

**AO-69** Impact analysis of India's only Pediatric Burn Survivor Camp: Preliminary findings

Vinita PURI

Seth G S Medical College and KEM Hospital, INDIA

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**Quality of Life**

**AO-70** Withdrawal

**AO-71** Effectiveness of rehabilitation makeup therapy for burn-induced hypertrophic scars with an uneven surface

Rintaro ASAHI

Nippon Medical School, JAPAN

**AO-72** THE QUALITY OF OUTCOME MUST BE WORTH THE PAIN OF SURVIVAL

Siji BHASKARAN

Maharashtra University of Health Sciences / Armed Forces Medical College / Command Hospital Kolkata, INDIA

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### Reconstruction and Scar Management

**AO-73 Ablative Fractional CO<sub>2</sub> Laser Surgery Improving Sleep Quality, Pain and Pruritus in Adult Hypertrophic Scar Patients: A Prospective Cohort Study**

Kaiyang LV

Department of Plastic Surgery, Xinhua Hospital, Shanghai Jiao Tong University School of Medicine, CHINA

**AO-74 Withdrawal**

**AO-75 Effect of extracorporeal shock wave therapy on hand function after skin grafting in adult hand burns**

Xiao Chuan XU

The First Hospital of Jilin University, CHINA

**AO-76 Childhood Burns Leading to Skeletal and Soft Tissue Deformities**

Raghav SHROTRIYA

Department of Plastic Surgery, Seth GS Medical College and KEM Hospital, INDIA

**AO-77 The Superficial circumflex iliac artery perforator flap for reconstruction of post burn neck contracture.**

Daisuke FUJISAWA

Department of Plastic and Reconstructive Surgery, Dokkyo Medical University, JAPAN

**AO-78 Long-Term Follow-up of Breast Development and Optimal Correction in Female Patients with Anterior Chest Burns**

Masami MURAKAMI

Department of Plastic and Reconstructive Surgery, Tokyo Women's Medical University, JAPAN

**AO-79 Use of Integra® after release of post burn contractures: Our experience**

Vinita PURI

Seth G S Medical College and KEM Hospital, INDIA

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**Registries**

**AO-80** Association between perineal burns injury and in-hospital mortality: A retrospective observational study from the nation-wide burn registry in Japan

Tetsuya HOSHINO

Department of Emergency and Critical Care Medicine, University of Tsukuba Hospital, JAPAN

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**Rehabilitation**

**AO-81** Preliminary study on correlation between DASH Questionnaire initial score and time to functional independence in burn patients

Li CHANG

Sunshine Social Welfare Foundation, TAIWAN

**AO-82** Pressure therapy intervention for a case of burn hypertrophic scars on dorsal aspect of forefoot

Chen-Jui HSU

Sunshine Social Welfare Foundation, TAIWAN

**AO-83** The effect of gait assisted robot training on the biomechanical properties of burn scars

Yoon Soo CHO

Department of Rehabilitation Medicine, Hangang Sacred Heart Hospital, College of Medicine, Hallym University, KOREA

**AO-84** Design and Application of Comprehensive Evaluation APP of Burn Hand Function

Xiu-Hang ZHANG

The First Hospital of Jilin University, CHINA

**AO-85** Secondary injuries caused by inappropriate rehabilitation treatments: a series of case reports

Siyuan MA

Institute of Burn Research, Southwest Hospital, State Key Laboratory of Trauma, Burns and Combined Injury, the Army Medical University, CHINA

**AO-86** Exploring use of 3D printing in facemask fabrication for patients with facial burns

Anna TAN

Singapore General Hospital, SINGAPORE

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### Surgical Techniques

**AO-87** Using large skin sheets alternately spliced from autologous and allogeneic micrografts for repairing extensive deep burn wounds

Chuanan SHEN

The Fourth Medical Center of Chinese PLA General Hospital, CHINA

**AO-88** A case report of sever contact burn with exhaust pipe at lower limb

Yoshitaka MATSUURA

Otsu red cross hospital, JAPAN

**AO-89** Two-step coverage of split-skin Meek-Isles after 7-10 days with a polylactide membrane (Suprathel®)

Matthias RAPP

Clinic for Orthopedics, Trauma Surgery and Sports Traumatology - Burn Center, Marienhospital Stuttgart, GERMANY

**AO-90** Our time tested technique of full thickness skin graft immobilisation over mobile regions of face

Nishanth SADHANALA

Department of plastic surgery, KEM HOSPITAL, SETH G S MEDICAL COLLEGE, INDIA

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### Systemic Infection

**AO-91** Comparison of Morbidity and Mortality in Burn Patients with Multi-Drug Resistant Organisms (MDRO) and Non-MDRO Bacteria in Sanglah Hospital Bali

Gede Wara SAMSARGA

Division of Plastic and Reconstructive Surgery, Faculty of Medicine Udayana University, Sanglah General Hospital, INDONESIA

**AO-92** Early diagnosis of sepsis in severe burn patients

Mitsuhide HAMAGUCHI

Department of Emergency & Clinical Core Medicine, Kindai University Faculty of Medicine, JAPAN

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## Tissue Engineering, skin substitute and Cell therapy

**AO-93 Preventive Effect of The First Epidermal Growth Factor Motif of Coagulation Factor 9 on Keloid and Hypertrophic Scar**

Tsutomu KASHIMURA

Department of Plastic and Reconstructive Surgery, Nihon University School of Medicine, JAPAN

**AO-94 Placental-based allografts in complex limb salvage: a pilot study**

Marc R. MATTHEWS,

The Arizona Burn Center, Phoenix AZ / Department of Surgery, Valleywise Health Medical Center, USA

**AO-95 The synthetic, resorbable, temporary, epidermal skin substitute Suprathel® for the treatment of burns, burn-like-syndromes and donor sites**

Matthias RAPP

Clinic for Orthopedics, Trauma Surgery and Sports Traumatology - Burn Center, Marienhospital Stuttgart, GERMANY

**AO-96 Identification of biologically relevant laminins to culture keratinocytes for potential treatment of burns**

Alvin CHUA

Singapore General Hospital / Duke-NUS Medical School, SINGAPORE

**AO-97 Clinical application of autologous dermal keratinocytes for chronic, diabetic, difficult-to-heal wounds**

Niann-Tzyy DAI

Division of Plastic and Reconstructive Surgery, Department of Surgery, Tri-Service General Hospital, National Defense Medical Center, TAIWAN

**AO-98 Evaluation of pre-vascularized 3D skin substitutes in full-thickness skin defects**

Hiromi MIYAZAKI

Division of Traumatology, Research Institute, National Defense Medical College, JAPAN

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## Wound Management • Others

**AO-99 Simple and effective technique for calculating burn wound surface area and its applications**

Nishanth SADHANALA

Department of plastic surgery, KEM HOSPITAL, SETH G S MEDICAL COLLEGE, INDIA

**AO-100 Vacuum sealing drainage with instillation in treatment of necrotizing soft-tissue infection: a retrospective analysis**

Hongjie DUAN

Department of Burns and Plastic Surgery, the Fourth Medical Center of PLA General Hospital, CHINA

**AO-101 Combination of 3 different NPWT application and free ALT flap for open elbow joint injury with extensive burn**

Junya OSHIMA

Department of Plastic and Reconstructive Surgery, University of Tsukuba, JAPAN

**AO-102 Tideglusib Promotes Wound Healing in Aged Skin by Up-regulating Epidermal Growth Factor Receptors**

Jiachen SUN

The Fourth Medical Center of Chinese PLA General Hospital, CHINA

**AO-103 NLRP3 Activation Induced by Neutrophil Extracellular Traps Sustains Inflammatory Response in the Diabetic Wound**

Dan LIU

Burn Department, Ruijin Hospital, Shanghai Jiaotong University, CHINA

**AO-104 The practice of negative pressure wound therapy with ostomy paste, as a skin graft bolster dressing.**

Kazuki MATSUMURA

Department of Emergency and Critical Care Medicine, Keio University School of Medicine, JAPAN

**AO-105 Experience with silver-containing dressings for burn wounds**

Shimpei NARA

Plastic surgery, Towa Hospital, JAPAN

**AO-106 A case of burn ulcer with bone exposure successfully treated using PELNAC Gplus® without invasive procedures**

Yosuke OJIMA

Department of Plastic & Reconstructive Surgery, Tokyo Medical University Hospital, JAPAN

**AO-107 Investigation and management of the heat-press injury to the hands**

Norio FUKUDA

Plastic and Reconstructive Surgery, Yamagata University Hospital, JAPAN

**AO-108 The treatment of toxic epidermal necrolysis (TEN) with Suprathel® - the Stuttgart treatment concept**

Matthias RAPP

Clinic for Orthopedics, Trauma Surgery and Sports Traumatology - Burn Center, Marienhospital Stuttgart, GERMANY

**AO-109 Efficacy of acetic acid for wound management**

Raghav MAGO

Department of Plastic & Reconstructive Surgery, K.E.M Hospital, INDIA

**AO-110 EFFECT OF TOPICAL CORTICOSTEROID TIME OF APPLICATION ON FIBROBLAST AND TYPE III COLLAGEN EXPRESSION ON DEEP DERMAL BURN WOUND (BEST TIME TO START TOPICAL CORTICOSTEROID APPLICATION IN PREVENTING HYPERTROPHIC SCAR)**

Loelita LUMINTANG

Department of Surgery, Division of Plastic Reconstructive and Aesthetic Surgery, Faculty of Medicine, Udayana University, Sanglah General Hospital, Bali, INDONESIA