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# APASTB 2023

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The 19th Scientific Meeting of Asia Pacific Association  
of Surgical Tissue Banking

Centennial Hall Kyushu University School of Medicine  
Fukuoka, Japan

August 17(Thu)-19(Sat), 2023

Chairperson

**Ken Urabe, MD, PhD**  
Kitasato University Medical Center

# Welcome Message

We are pleased to announce that The 19th Scientific Meeting of Asia Pacific Association of Surgical Tissue Banking (APASTB) will be held on August 17–19, 2023 at Centennial Hall. It is our great pleasure to welcome you to this conference. This will be the third time that Japan has hosted this conference, the first being in Yokohama and the second in Gifu. This year's conference will be held at the Centennial Hall Kyushu University School of Medicine in Fukuoka City, Fukuoka Prefecture. The Kyushu University School of Medicine is the historical place where the first bone bank was established in Japan. Prof. Tamikazu Amako, Professor Emeritus of Orthopedic Surgery at Kyushu University School of Medicine, purchased a freezer from the United States and established a bone bank in 1953. Since then, about 200 bone banks have been established in Japan. It is a great honor to host The 19th Scientific Meeting of APASTB at this historic location.

The theme of the conference is “Let's connect with various countries and fields. Let's take the next step forward in cell and tissue transplantation”. We sincerely hope that many of you will attend this conference and that it will be an opportunity to gain new knowledge and find new colleagues.

Special lectures will be given by Prof. Kinoshita, President of the Japanese Society of Tissue Transplantation, and Prof. Hee Joong Kim, Professor Emeritus of Seoul National University College of Medicine. Symposium 1 is entitled “Tissue Banking in the world: Current Initiatives and Challenges”. Symposium 2 will be entitled “Current status and challenges of tissue transplantation in the Asia Pacific Rim”, followed by a round table discussion on “a global framework for tissue donation and transplantation”. Symposium 3 will be entitled “Current status of regenerative medicine in Japan” and will focus on the latest regenerative medicine in Japan. We are very grateful for the 30 abstracts submitted for the general sessions.

Fukuoka City is the largest city in Kyushu with a 2000-year history of exchange with Asia, as well as a variety of attractions such as gourmet food, shopping, and nature. We hope that you will absorb a lot of knowledge at the conference and enjoy Fukuoka as a tourist city. We are sincerely looking forward to seeing you at the conference, even though it is in the very hot month of August.

*Ken Urabe*

APASTB 2023  
Chairman of Organizing Committee  
Ken Urabe, MD, PhD.  
(Kitasato University Medical Center)



# APASTB 2023

Access and Floor plan

# Access



## Public Transportation Access Methods

Centennial Hall Kyushu University School of Medicine 3-1-1 Maidashi, Higashi-ku, Fukuoka 812-8582, JAPAN

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**【From Fukuoka Airport】**

- 8 minutes on foot from "Maidashi-Kyudaibyoimae" Station (Subway Hakozaki Line)

..... Subway Kuko(Airport) Line .....      ..... Subway Hakozaki Line .....

Fukuoka Airport Station [K13] → Nakasu-Kawabata Station [K09] → Transfer Subway Hakozaki Line → Maidashi-Kyudaibyoimae Station [K04] → Kyushu University Hospital Campus → Centennial Hall Kyushu University School of Medicine

**【From Tenjin】**

- 8 minutes on foot from "Maidashi-Kyudaibyoimae" Station (Subway Hakozaki Line)

..... Subway(for Kaizuka) .....

Tenjin Station [K08] → Maidashi-Kyudaibyoimae Station [K04] → Kyushu University Hospital Campus → Centennial Hall Kyushu University School of Medicine

**【From JR Hakata Station】**

- 8 minutes on foot from "Maidashi-Kyudaibyoimae" Station (Subway Hakozaki Line)

..... Subway Kuko(Airport) Line .....      ..... Subway Hakozaki Line .....

Hakata Station [K11] → Nakasu-Kawabata Station [K09] → Transfer Subway Hakozaki Line → Maidashi-Kyudaibyoimae Station [K04] → Kyushu University Hospital Campus → Centennial Hall Kyushu University School of Medicine

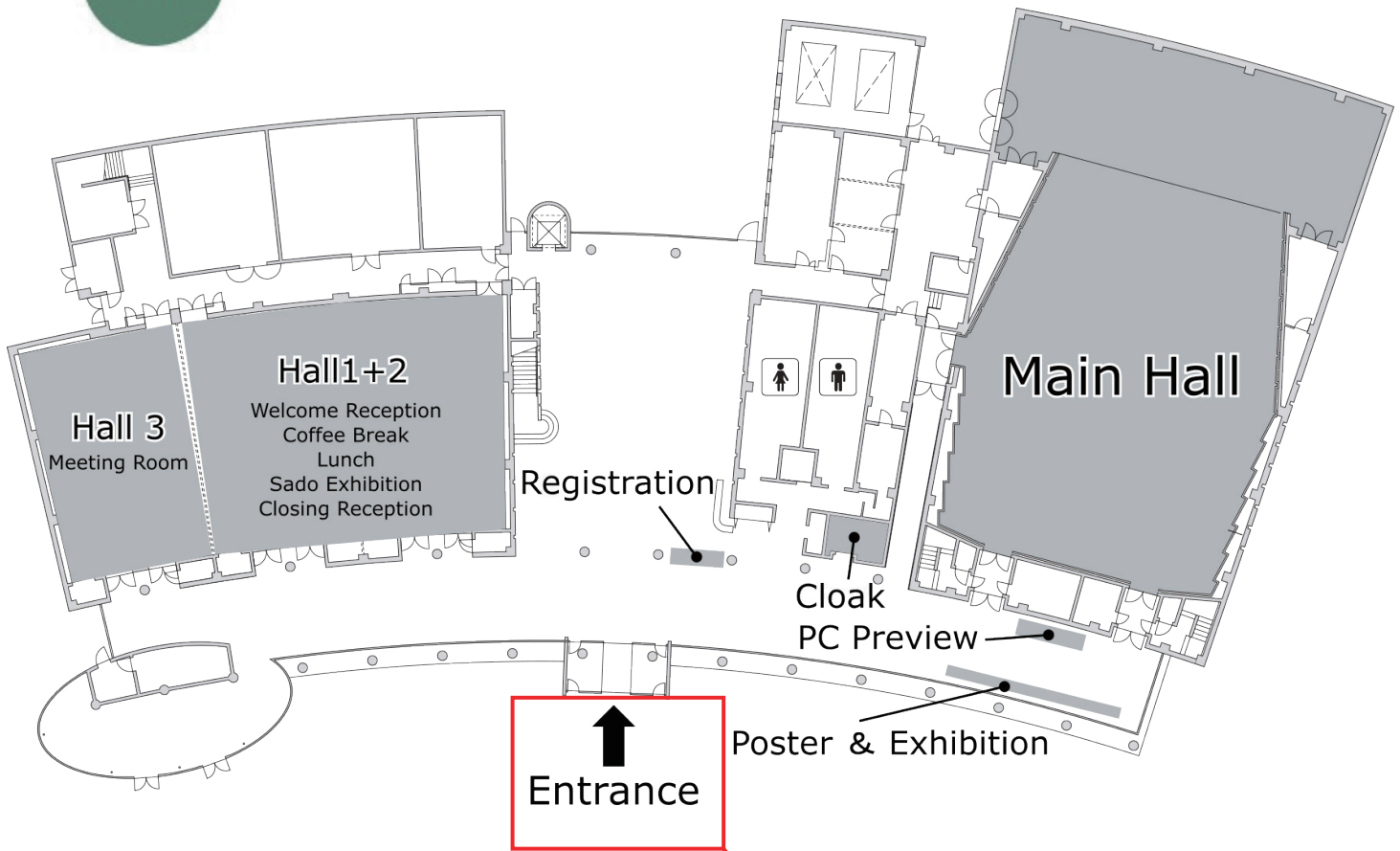
**【From Hakata Port】**

- TAXI about 20 minutes

Port of Hakata → Kyushu University Hospital Campus → Centennial Hall Kyushu University School of Medicine

# Floor Plan

1F



# APASTB 2023

General Information

## Dates

August 17(Thu)-19(Sat),2023

## Venue

Centennial Hall Kyushu University School of Medicine  
3-1-1 Maidashi, Higashi-ku, Fukuoka City, Fukuoka 812-8582, Japan

## Chairperson

Ken Urabe,MD,PhD (Kitasato University Medical Center)

## Theme

Let's connect with various countries and fields  
Let's take the next step forward in cell and tissue transplantation

## Executive Committee Members

Koichi Nakayama, M.D., Ph.D.  
Professor and Chairman  
Department of Regenerative Medicine and Biomedical Engineering,  
Faculty of Medicine,Saga University

Sumihito Tamura, M.D., Ph.D.  
Director/Associate Professor, International Medical Center  
Director, The University of Tokyo Tissue Bank

## Official Language

English

## Congress Dress Code

Smart casual  
\*The average low and high Fukuoka temperature in August is 24.6-32°C

## Congress Secretariat

Kitasato University Medical Center

## Congress Coordinator

Association for Convention Support Center  
4F,Shintomi-Tadokoro Building, 2-4-14 Shintomi, Chuo-ku,  
Tokyo 104-0041,Japan  
Mail:a-csc@a-csc.org

## Registration Desk

Date	Time	Place
Thu,17 August	14:00-18:00	at Centennial Hall Kyushu University School of Medicine 1F
Fri,18 August	9:00-17:00	
Sat,19 August	9:00-15:00	

Attendee APASTB JPY 50,000 \*Cash only  
Student JPY 30,000 \*Student ID must be presented  
\*Graduate students are not included in students

Registration fee includes the following items

- Final Program and Abstract Book
- Coffee and Beverages
- Kyushu's famous sweets
- 2-Day Lunch Box
- Sado Exhibition
- Welcome Reception
- Banquet for all participants
- Closing Reception

## Budges

All participants are required to wear their name badges in order to gain entry to the scientific sessions

## Social Programs

Thu,17 August

Welcome Reception

Time:17:00-18:30

Place:Hall1+2(Centennial Hall 1F)

Fri,18 August

Banquet for all participants

Time:18:30-21:00

Place:Hotel Nikko Fukuoka

Sat,19 August

Closing Reception

Time:16:00-17:30

Place:Hall1+2(Centennial Hall 1F)



## Lunch

Fri,18 August  
Sandwich Box

Sat,19 August  
Bento (Kyushu Style,Japanese box lunch)

## Internet

Free wireless internet access is available at Centennial Hall Kyushu University School of Medicine

## Luggage

Cloakroom is available at Centennial Hall Kyushu University School of Medicine

## Meeting

- Board Member Meeting  
Aug,17th 14:30–15:30 Place:Hall 3(Centennial Hall 1F)
- APASTB WUTBA Meeting  
Aug,17th 15:30–17:00 Place:Hall 3(Centennial Hall 1F)
- Organizer Meeting  
Aug,18th 9:30–10:30 Place:Hall 3(Centennial Hall 1F)

## Guideline for Presentation

Below are some guidelines to help you prepare your presentation

### Equipment setup

Conference room is equipped with a standard audio–visual package that supports presentation

The package includes the following items

- Full HD LCD Projector (1920 x 1080 resolution)
- Screen
- Microphone
- Moniter
- Mouse & Keyboard
- Laser Pointer
- Windows 11
- Power Point 2021

## Presentation Preview

Presentation Preview is imperative for every presenter

- Please come to the preview desk at least 1 hour before the beginning of your session
- The Presentation Preview Desk is set in front of the conference room
- Technical supports concerning electronic presentation are available there
- Presenters will need to bring USB or their own laptops for their presentation
- If you are a presenter using your own laptop, please make sure you have brought the AC adapter of your PC
- The standard power voltage in Japan is 100V. If your AC adapter does not match this power voltage, you will have to bring a voltage inverter with you
- The video output terminal is HDMI. Please bring a conversion adapter if necessary

Hours of Presentation Preview Operation

Date	Time	Place
Fri,18 August	9:00-16:00	front of Main Hall
Sat,19 August	9:00-15:00	

## Presentation

- Please arrive at the conference room at least 15 minutes before your session begins
- Presenters will have to operate their slides by themselves during the presentation, though presentation technical support is available in the conference room
- When presenting, please speak slowly and clearly so as to make your presentation better understood
- Be sure to come early to your session. You, or one of your co-authors, MUST be present during the start of the session

## Poster-Presentation

- Panel size is 1200mm (width) x 1800mm (height)
- Any paper size is acceptable. Please make sure that your poster fits within the size of the panel
- Please print out your own poster and display it by yourself
- Pins will be provided at the venue

Place: front of Main Hall

## Presentation Time

Session Name	Presentation	Discussion
Special Lecture President Lecture	30min	10min
Symposium	15min	30min
Oral Session	6min	4min
Poster Session	Free Discussion in Poster Viewing Time (No chairperson)	

# APASTB 2023

## Schedule & Program

# Program at a glance

Aug,17th

	Hall 1+2	Hall 3	Registration PC Preview Exhibition
14:00			
:30			
15:00		Board Member Meeting	
:30			
16:00		APASTB WUTBA Meeting	Registration
:30			
17:00	Welcome Reception		
:30			
18:00			
:30			
19:00			

Aug,18th

	Main Hall	Hall 1+2	Hall 3	Registration PC Preview Exhibition
8:00				
9:00				
:30				
10:00			Organizer Meeting	
:30				
10:45-12:30	Opening			
11:00	Symposium1 Diletta Trojan Francisco Martinez Chris Van Diemen Sandra Venter Suzina Sheikh Ab Hamid			
:30				
12:00	Chairs Marisa Herson Sumihito Tamura			
:30				
13:00	Lunch Time Poster Viewing			9:00 ~16:00
:30				
13:30-14:10	Special Lecture Shigeru Kinoshita Chair:Noboru Motomura			
14:00	Coffee Break			
:30				
14:20-15:10	Oral Session 1 Tissue Bank O-1~5 Chair:Yong-Koo Kang			
15:00	Coffee Break			
:30				
15:20-17:20	Symposium2 Marisa Herson JINYOUNG JEONG Azura Mansor Heri Suroto Sumihito TAMURA Aziz Nather Efstratios CHATZIXIROS Chairs Efstratios Chatzixiros Marisa Herson			
16:00				
:30				
17:00				
:30				
18:00				
:30				
18:30-21:00	Banquet for all participants HOTEL NIKKO FUKUOKA 5F 「志賀-Shika-」			
19:00				

Aug,19th

	Main Hall	Hall 1+2	Registration PC Preview Exhibition
8:00			
9:00	9:00-9:40 Oral Session 2 Basic Research O-6~9		
:30			
9:40-10:30	Oral Session 3 Quality Control O-10~14 Chair:Heri Suroto		
10:00			
:30	Coffee Break		
10:40-11:30	Oral Session 4 Clinical Outcome O-15~19 Chair:Wataru Saito		
11:00			
:30	Coffee Break		
11:40-12:20	APASTB president lecture Suzina Sheikh Ab Hamid Chair:Jinyoung Jeong		9:00 ~15:00
12:00			
:30	Lunch Time Poster Viewing		
13:00			
:30	13:10-13:50 Special Lecture Hee Joong Kim Chair:Gen Inoue		
14:00	Coffee Break		
:30			
14:00-15:45	Symposium3 Yusuke Shimizu Keitaro Matsumoto KIYOSHI OKADA Morio Ueno Manabu Itoh Chairs Koichi Nakayama Shaila Kothiwale		
15:00			
:30			
16:00	Closing		
:30		Closing Reception	
17:00			
:30			
18:00			

Thu,18 August

10:30~10:45	<b>Opening Remarks</b>
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**Ken Urabe**

Kitasato University Medical Center

10:45~12:30	<b>Symposium 1</b> Tissue Banking in the world: Current Initiatives and Challenges.
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Chair persons



**Marisa Herson**

Expert member to the WHO Taskforce on Human Organ and Tissue Donation and Transplantation  
General Secretary of the World Union of Tissue Banking Associations (WUTBA) from 2014-2021

**Sumihito Tamura**

The University of Tokyo Hospital

**European Association of Tissue and Cell Banks: current situation**



**Diletta Trojan**

EATCB and FBTV

**Current initiatives and challenges of ALABAT**



**Francisco Martinez Flores**

Latin American Association of Tissue Banks

**Tissue Banking Sector in Australia and New Zealand – Current Initiatives and Challenges**



**Chris Van Diemen**

President of the Biotherapeutics Association of Australasia (BAA)

**The current human tissue donation situation in South Africa.**



**Sandra Venter**

South African Tissue Bank Association; Vitanova Tissue Bank, Cape Town, SA

**APASTB's current initiatives and challenges**



**Suzina Sheikh Ab Hamid**

Tissue Bank, School of Medical Sciences, Health Campus, Universiti Sains Malaysia,16150 Kubang Kerian, Kelantan, Malaysia

12:30~13:30

Lunch Time  
Poster Viewing

13:30~14:10

Special Lecture

Chair person

**Noboru Motomura**

Toho University Sakura Medical Center

**The present Status of the Japanese Society of Tissue Transplantation****Shigeru Kinoshita**Kyoto Prefectural University of Medicine  
Professor, Department of Frontier Medical Science and Technology for  
Ophthalmology

14:10~14:20

Coffee Break

14:20~15:10

Oral Session 1 Tissue Bank

Chair person

**Yong-Koo Kang**

Bonafide Orthopedic Clinic

O-1

**Bone donation in Malaysian multiracial population****Suhaili Mohd**Bone Bank, National Orthopaedic Centre of Excellence in Research and Learning  
(NOCERAL), Department of Orthopaedic Surgery, Faculty of Medicine, University  
of Malaya, 50603 Kuala Lumpur, MALAYSIA

O-2

**Community Perspectives on Bone Donation: A Survey on  
Awareness and Knowledge****Suhaili Mohd**Bone Bank, National Orthopaedic Centre of Excellence in Research and Learning  
(NOCERAL), Department of Orthopaedic Surgery, Faculty of Medicine, University  
of Malaya, 50603 Kuala Lumpur, MALAYSIA

0-3

**ISO 9001:2015 in the Bangkok Biomaterial center:  
Preparation of Tissue and Bone using in Surgical Procedures**

**Rapin Phimolsarnti**

Bangkok Biomaterial Center, Department of Orthopaedic Surgery, Faculty of  
Medicine Siriraj Hospital, Mahidol University, Bangkok THAILAND

0-4

**Tissue Bank in Bone Tumor Cases  
A Case Series 30 years Surabaya experienced**

**Mouli Edward**

Consultant in Orthopedic Oncology, Department of Orthopaedic & Traumatology,  
Airlangga University, Dr. Soetomo Academic General Hospital School of Medicine

0-5

**Report on early results of the SATiBA study on methods for  
improving human cadaver tissue donation in South Africa**

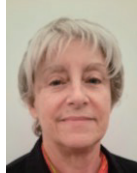
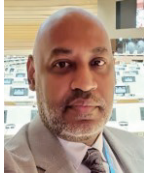
**S Venter**

SATiBA

**15:10~15:20**      **Coffee Break**

**15:20~17:20**      **Symposium 2**  
Current status and challenges of tissue  
transplantation in Asia Pacific Rim

Chair persons



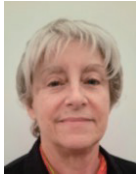
**Efstratios CHATZIXIROS**

World Health Organization (WHO)  
Adviser on Transplantation of Human Organs,  
Tissues and Cells

**Marisa Herson**

Expert member to the WHO Taskforce on Human  
Organ and Tissue Donation and Transplantation  
General Secretary of the World Union of Tissue  
Banking Associations (WUTBA) from 2014-2021

**Current scenarios and challenges faced in tissue donation,  
banking and transplantation in Australia**



**MARISA ROMA HERSON**

Expert member to the WHO Taskforce on Human Organ and  
Tissue Donation and Transplantation  
General Secretary of the World Union of Tissue Banking  
Associations (WUTBA) from 2014-2021

**Current Status of Tissue Banking in Korea**



**JINYOUNG JEONG**

St.Vincent's Hospital, The Catholic University of Korea  
Doctor/Professor





**Azura Mansor**

University Malaya, Kuala Lumpur, MALAYSIA.  
Associate Professor Dr Azura Mansor.  
Consultant Orthopaedic Surgeon & Head of Bone Bank,  
University Malaya Medical Centre.



**Heri Suroto**

Orthopaedic & Traumatologic Surgeon  
Consultant of Upper Limb & Microsurgery

**Tissue Transplantation in Japan**



**Sumihito TAMURA**

University of Tokyo Tissue Bank,  
The University of Tokyo Hospital



**Aziz Nather**

National University Health Services Singapore  
Senior Consultant Orthopaedic Surgeon

**Developing a global action framework to advance universal access to human tissues for transplantation**



**Efstratios Chatziros**

World Health Organization (WHO)  
Adviser on Transplantation of Human Organs,  
Tissues and Cells

**18:30~21:00**

Banquet for all participants  
HOTEL NIKKO FUKUOKA 5F[志賀-Shika-]

Thu,19 August

9:00~9:40

Oral Session 2 Basic Research

Chair person



**Azura Mansor**

Universiti Malaya, Kuala Lumpur

0-6

**Growth Factor Identification Based on Speed and Duration of Centrifugation in Platelet Rich Plasma**

**Rizki Rahmadian**

Department of Orthopaedics and Traumatology, Dr. M.Djamil General Hospital, Padang, Indonesia

0-7

**Histological Comparison of Lyophilized Amniotic Membrane, Tulle Gras Dressing and Topical Gentamicin on Acute Partial Thickness Wound, In Vivo Study**

**Benni Raymond**

Department of Surgery, M. Djamil General Hospital, Padang / Faculty of Medicine, Andalas University, Indonesia

0-8

**DEVELOPMENT OF A HUMAN FIBROBLASTIC DRESSING IN A THREE-DIMENSIONAL FIBRIN CULTURE MODEL.**

**Martínez-Flores Francisco**

National Institute of Rehabilitation LGII; Ministry of Health, Mexico  
(2) Department of Pharmacology. Medicine Faculty National Autonomous University of Mexico (UNAM)

0-9

**Fibrous membrane formed around liquid nitrogen-treated bone promotes osteogenesis and revitalization of frozen bone: A rat study**

**Yohei Asano**

Department of Orthopaedic Surgery, Kanazawa University  
Graduate School of Medical Sciences

9:40~10:30

Oral Session 3 Quality Control

Chair person



**Heri Suroto**

Orthopaedic & Traumatologic Surgeon  
Consultant of Upper Limb & Microsurgery

O-10

**Does Radiation Weaken Frozen Bone Allografts?  
A Revisit**

**Norimah Yusof**

Bone Bank, National Orthopaedic Centre of Excellence in Research and Learning (NOCERAL), Department of Orthopaedic Surgery, Faculty of Medicine, University of Malaya, 50603 Kuala Lumpur, MALAYSIA

O-11

**Dose distribution in frozen bone allografts during gamma irradiation complying with quality assurance**

**Saravana Ramalingam**

UMMC Bone Bank, NOCERAL, Department of Orthopaedic Surgery, Faculty of Medicine, University of Malaya, Lembah Pantai, 50603 Kuala Lumpur, MALAYSIA

O-12

**Reducing rejection rate of living and deceased bone donors through quality control**

**Saravana Ramalingam**

UMMC Bone Bank, NOCERAL, Department of Orthopaedic Surgery, Faculty of Medicine, University of Malaya, Lembah Pantai, 50603 Kuala Lumpur, MALAYSIA

O-13

**Bone graft and tendon stability tests**

**Petr Koska**

National Cell and Tissue Centre (Narodni centrum tkani a bunek), Dr. Slabihoudka 6232/11, 708 00, Ostrava, Czech Republic

O-14

**Examination of microbial growth prevalence in musculoskeletal tissue and the effectiveness of the unique mechanical and chemical processing methods to ensure safe allografts.**

**S Venter**

Vtianova, Bone SA

10:30~10:40

Coffee Break

10:40~11:30

Oral Session 4 Clinical Outcome

Chair person



**Wataru Saito**

Kitasato University Medical Center

O-15

**Clinical outcomes of malignant pelvic bone tumors including acetabular region that were reconstructed using liquid nitrogen-treated tumor-bearing bone**

**Norio Yamamoto**

Department of Orthopaedic Surgery, Graduate School of Medical Sciences,  
Kanazawa University, Japan

O-16

**Reconstruction with unidirectional porous  $\beta$ -tricalcium phosphate material after resection of bone tumor**

**Ayana Kondo**

Department of Orthopedic Surgery, Okayama University Hospital

O-17

**Enhancing Bone Reconstruction: The Efficacy of Human Bone Graft and Platelet-Rich Plasma (PRP) in Combination with the Masquelet Reconstruction Technique**

**Fajar Satria Pratama**

Orthopaedic Resident, Faculty of Medicine Andalas University/Dr. M Djamil  
General Hospital, Padang, West Sumatera, Indonesia

O-18

**A clinical and radiological evaluation of demineralized freeze dried bone allograft with amniotic membrane and xenograft with collagen membrane in the treatment of human periodontal osseous defects (class-II furcation)- A comparative study**

**Shaila Kothiwale**

KAHER's KLE VK Institute Of Dental Sciences, Belagavi, Karnataka, 590010.

O-19

**ANALYSIS OF ISCHEMIA TIME AND CELL VIABILITY IN SKIN ALLOGRAFTS TRANSPLANTED IN BURNED PATIENTS WITH TISSUE INTEGRATION ON THE RECIPIENT AREA**

**Arce de la Vega Elizabeth**

National Institute of Rehabilitation LGII, Ministry of Health, México.

11:30~11:40

Coffee Break

<b>11:40~12:20</b>	<b>APASTB President Lecture</b>
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Chair person



**JINYOUNG JEONG**

St.Vincent's Hospital, The Catholic University of Korea

**Amnion for wound healing**



**Suzina Sheikh Ab Hamid**

Tissue Bank, School of Medical Sciences, Health Campus, Universiti Sains Malaysia, 16150 Kubang Kerian, Kelantan, Malaysia

<b>12:20~13:10</b>	<b>Lunch Time Poster Viewing</b>
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<b>13:10~13:50</b>	<b>Special Lecture</b>
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Chair person



**Gen Inoue**

Department of Orthopaedic Surgery, Kitasato University

**Use of Allogenic Tissue in Hip Surgery**



**Hee Joong Kim**

Yeson Hospital  
(Seoul National University College of Medicine)  
Honorary President (Professor Emeritus)

<b>13:50~14:00</b>	<b>Coffee Break</b>
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14:00~15:45

### Symposium 3

Current status of Regenerative medicine in Japan.

Chair persons



#### **Koichi Nakayama**

Department of Regenerative Medicine and Biomedical Engineering, Faculty of Medicine, Saga University

#### **Shaila Kothiwale**

KAHER's KLE VK Institute Of Dental Sciences, Belagavi, Karnataka, 590010.

### Establishment of Japan's first "Industrial Application Ethics Review Committee" for the development of regenerative medicine products



#### **Yusuke Shimizu**

Department of Plastic and Reconstructive Surgery, Graduate School of Medicine, University of the Ryukyus

### Artificial organs including trachea, esophagus, intestine and ureter using bio-3D printing system



#### **KEITARO MATSUMOTO**

Department of Surgical Oncology, Graduate School of Biomedical Sciences, Nagasaki University

### The current status of legislation and promotion activity for regenerative medicine in Japan.



#### **KIYOSHI OKADA**

Osaka University Graduate School of Medicine

### Cell therapy for corneal endothelial dysfunction



#### **Morio Ueno**

Department of Ophthalmology, Kyoto Prefectural University of Medicine

### Translational research of scaffold free Bio-3D printed vascular graft



#### **Manabu Itoh**

Saga University Faculty of Medicine

15:45~16:00

APASTB Award, Y.I.A Award Ceremony  
Closing Remarks

**Ken Urabe**

Kitasato University Medical Center

16:00~17:30

Closing Reception  
Hall 1+2