



APSS ASIA PACIFIC SPINE SOCIETY

SURABAYA OPERATIVE COURSE



Workshop &
Live Surgery

December 16th - 18th 2016

ORGANIZED AT

Orthopaedic & Traumatology Department
Dr. Soetomo Hospital - School of Medicine Airlangga University
Surabaya - INDONESIA

FINAL REPORT

**SURABAYA OPERATIVE COURSE
BY ASIA PACIFIC SPINE SOCIETY – ORTHOPAEDIC & TRAUMATOLOGY DEPARTMENT OF DR.
SOETOMO GENERAL HOSPITAL
SURABAYA, INDONESIA
2016**

PREFACE

Technology in medical field nowadays grows very rapidly, so the medical practitioners should be able to adapt with the changes and technology. So does the field of orthopedic, especially in the field of spinal surgery or Spine, which is known to have complex cases and handling methods. Therefore, it is necessary to increase the capacity of medical practitioners in this field.

We hope this workshop and live surgery can be a medium to transfer the knowledge and science in the field of medicine. And we hope through this event, can improve the competitiveness and the competence of medical practitioners, especially in Spine surgery field.

We thank you for the support of all parties, APSS regional, Chairman of Dr. Soetomo General Hospital, all the organizers, all participants and sponsors who supported this event. We are sorry if there are deficiencies in of the event, but we've been trying to give the best.

Thus, hopefully our good cooperation will be continued and success is ours together.

Warm regards,

Ketut Martiana, MD



A. BACKGROUNDS

Technology in medical field nowadays grows very rapidly, so the medical practitioners should be able to adapt with the changes and technology. So does the field of orthopedic, especially in the field of spinal surgery or Spine, which is known to have complex cases and handling methods. Therefore, it is necessary to increase the capacity of medical practitioners in this field.

In order for technology transfer and improving the quality of Orthopaedics & Traumatology specialists to be able to play a role in global competition, it is necessary to hold the event Course & Live Surgery that will be conducted by APSS (Asia Pacific Spine Society) in collaboration with the Orthopaedic & Traumatology Department Dr. Soetomo General Hospital Surabaya.

B. GOALS

1. Improving the capacity and knowledge of medical practitioners through learning in the form of workshops and live surgery in the field of Orthopaedics especially in Spine Surgery
2. Improving the competitiveness of the medical practitioners in the Orthopaedic Surgery field
3. Introducing the latest methods and techniques for handling complex cases in Orthopaedic Surgery.

C. EVENTS

1. Saw bones workshop
2. Seminars
3. Live Surgery

D. SCHEDULE

DATE	TIME
Friday, December 16 th 2016	09.00 AM – 05.00 PM
Saturday, December 17 th 2016	07.00 AM – 05.00 PM
Sunday, December 18 th 2016	08.00 AM – 05.00 PM



E. PLACE

1. Saw Bone Workshop & Seminars

At Diagnostic Center 7th floor, Dr. Soetomo General Hospital, Surabaya

2. Live Surgery

At Surgical Center 6th floor, Dr. Soetomo General Hospital, Surabaya

F. COMMITTEES

APSS CHAIRMAN : Kuniyoshi Abumi

PATRONS

- Harsono, MD. (Director of Dr. Soetomo General Hospital Surabaya)
- Dwikora N. Utomo, MD, PhD (Head of the Orthopaedic & Traumatology Department)

LOCAL CHAIRMAN:

- I Ketut Martiana, MD

VICE CHAIRMAN :

- Tri Wahyu Martanto, MD

SECRETARY

- Lukas Widhiyanto, MD
- Imelda Lumban Gaol, MD

TREASURER:

- Teddy Heri Ward, MD
- Dra Suparti

SCIENTIFIC & WORKSHOP TEAM:

- Primadenny Ariesa Airlangga, MD
- Fachrizal Achmad, MD
- Christopher A. Simanjuntak, MD
- Citra Adhi Prasetya, MD
- Stacy Benedicta, MD



PUBLICATION & DOCUMENTATION TEAMS:

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- Trixie Brevi, MD

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- Ritzky Pratomo Affan, MD
- Hannan Ahmad Putra, MD

INSTRUMENTATIONS TEAMS:

- Hardian M. Basuki, MD
- Bahauddin Andi Fahmi, MD
- Satria Agung Rizky, MD
- Kadek Seta Prawira, MD

SECRETARY & REGISTRATION:

- Secretariat Orthopaedic and Traumatology Department – Dr. Soetomo General Hospital, Surabaya.



LIST OF CASES :

1. Cervical Spine
 - a. Anterior Cervical i.e. ACDF or ACCF
 - b. Anterior Cervical i.e. Arthroplasty
 - c. Posterior Cervical Fixation i.e. Lateral Mass or Pedicle Screw Fusion
 - d. Posterior Cervical Decompression i.e. Laminoplasty
 - e. Posterior Cervical C1/2 Fusion
 - f. Posterior Occipitocervical Fusion
2. Coronal Deformity Correction
 - a. Adolescent Idiopathic Scoliosis i.e. Posterior Instrumented Spinal Fusion
3. Sagittal Deformity Correction
 - a. Ankylosingspondylitis
 - b. Scheuermann kyphosis
 - c. Neglected traumatic fracture
 - d. TB spine kyphosis
4. Spinal Instability +/- Neurological Deficit for Stabilization +/- Decompression
 - a. Traumatic acute fracture
 - b. Spinal infection
 - c. Spinalmetastases
5. Lumbar Spinal Stenosis (LSS)
 - a. Decompression alone i.e medial facetectomy, laminectomy or internal , discectomy for HNP
 - b. Decompression and fusion i.e. Open TLIF, MIS TLIF or DLIF

EVENTS REPORT

1. 1st Day – Friday, December 16th 2016

The first event was pre-surgery discussion. Pre-surgery discussion held in Diagnostic Center. 7th floor of Dr. Soetomo Hospital, on Friday, December 16th 2016. Pre surgery discussion attended by 19 speakers both from foreign and domestic, 23 international participants and 47 local participants. In the pre-surgery discussion, displayed the diagnosis of the patient, so participants and surgeons can determine the actions would be taken to patient surgery.

The second event was Saw Bone Workshop which have two themes, were : “Thoracic Pedicle Screw, Lumbar Pedicle Screw, S1 Screw Iliac Screw and S2AI Screw Fixation” and “Posterior Instrumentation of Cervical Spine I.E C1/C2 Fixation, Lateral Mass and Cervical Pedicle Screw Fixation/ Anterior Cervical Discectomy Fusion ”. In the Saw Bone the workshop, participants were divided into random eight groups,



consist of international participants, surgeon, Spine Fellow, residents and general practitioner. Each group was accompanied by one instructor.



Picture : Saw Bone workshop with Prof Shu-Hua Yang as an instructor.



Picture : Saw Bone workshop with Gabriel Liu from Singapore





Picture : Prof Kuniyoshi Abumi was giving explanation during the Workshop

2. 2nd Day - Saturday, December 17th 2016

Second day, began with opening ceremony and directly opened by Dr. Soetomo General Hospital Director representative, followed by a speech from the Local Chairman Ketut Martiana, MD and the speech of the APSS Chairman Prof. Kuniyoshi Abumi.

Operations started at 08.00 AM at the Surgery center Dr. Soetomo General Hospital 6th floor and directly broadcast to Diagnostic Center 7th floor.





Schedule of 2nd Day, Saturday, 17 th December 2016

Time	Event
07:00 – 08:00	Registration of Participants
08.00 – 08.30	Opening Conference - Hospital Director's Welcome Speech - The Organizing Chairman's Welcome Speech – Ketut Martiana - The APSS President's Welcome Speech – Kuniyoshi Abumi
08:20 – 08:35	Ethics in Spine Surgery – Ketut Martiana
08:35 – 08:50	Patient Safety Matters in Spine Surgery - Hardiono
08:30 – 09:05	Pathophysiology of Disc Degeneration and the Production of Pain. - Jose Manuel F. Ignacio
09:5 – 09:20	Surgical Management of Cervical OPLL: Anterior or Posterior Approach is Better? - Kuniyoshi Abumi
09:20 – 09:35	TLIF with Cortical Pedicular Screw Fixation. - Dato' K. S. Sivananthan
09:35 – 09:30	The Role of Minimally Invasive Spine Surgery in Metastatic Spine Tumours. - Chris Yin Wei Chan
09:50 – 10:05	How to Choose between Fusion and Artificial Disc Replacement for Lumbar Degenerative Disc Disease – Bambang Tiksnadi
08:00 – 17:00	Live Surgery: Operation Theatre 1 Operation Theatre 2 Operation Theatre 3

List of Live Surgery Patient at Second Day

Saturday, December 17 th 2016		
Name	Diagnosis	Action and Operator
Suwiadi Kurniadi Male 59 years old	Ankylosing Spondylitis	Posterior Osteotomy and Instrumented Fusion Operator: Jae Yoon Chung/ Kyu Jung Cho (Korea)
Sri Iswahyuni Female 50 years old	Severe Spondylolisthesis L4-5	Open TLIF Operator: at Wa Wong (Hongkong)
Andhika Nuril Male 13 years old	Congenital Scoliosis	Hemivertebrectomy + PSIF Operator: Keith Luk (Hongkong)



Picture : Speech of Local Chairman, Ketut Martiana, MD



Picture : Speech of APSS Chairman, Prof Kuniyoshi Abumi, MD



Picture. Opening Ceremony by Director of Dr. Soetomo General Hospital representative



Picture : Faculty Member of Asia Pacific Spine Society and Dr. Soetomo General Hospital Representative



3. 3rd Day – Sunday, December 18th 2016

Operations started at 08.00 am at the Surgery Center 6th floor and broadcast directly to Diagnostic Center 7th floor. The surgery was performed by the operator from the abroad whom already received permission from the Indonesian Medical Council. On the second day 4 surgeries were performed. Several surgeries carried out by using implants donated by Prof Kuniyoshi Abumi.

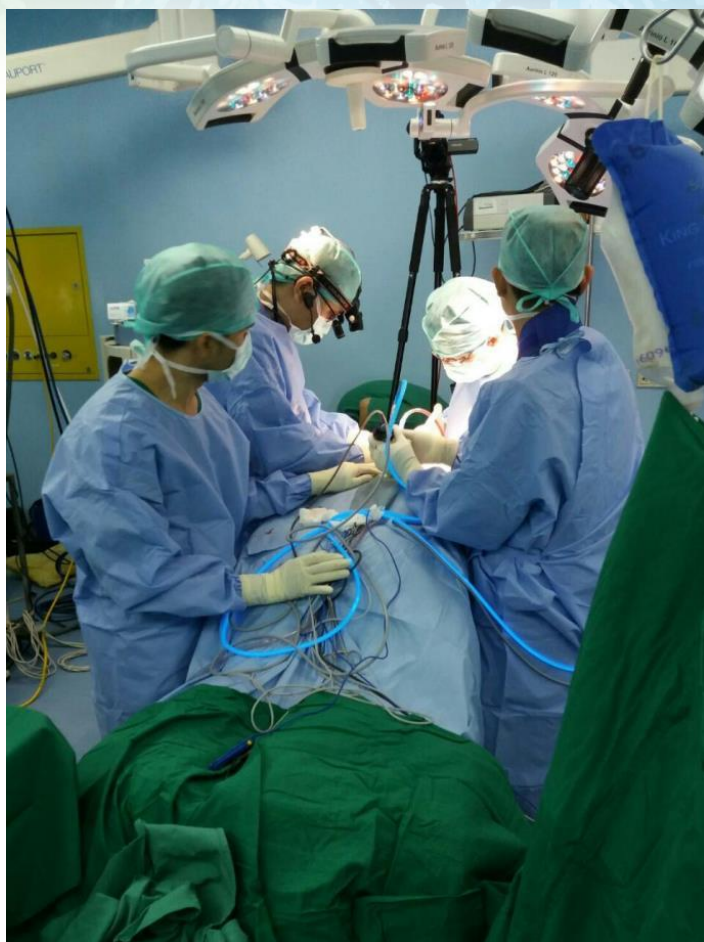
Time	Event
08:00 – 08:15	Discussion and evaluation post-op cases done on DAY 2
08:15 – 08:30	Thoracic and Lumbar Pedicle Screw Fixation – Kyu Jung Cho
08:30 – 08:45	Surgical Management of Ankylosing Spondylitis Kyphotic Deformity. - Keith Dip Kei Luk
08:45 – 09:00	Selecting Fusion Levels in AIS Surgery. – Gabriel Liu
09:00 – 09:15	Congenital Scoliosis: Management Principles. - Yat Wa Wong
09:15 – 09:30	Severe Scoliosis: Treatment Options and Complications Avoidance. - Arvind Jayaswal
09:30 – 09:45	Degenerative Spondylolisthesis – Luthfi Gatam
08:00 – 17:00	Live Surgery: Operation Theatre 1 Operation Theatre 2 Operation Theatre 3
17:00	Closing and Certificate Presentation

List of Live Surgery Patient at Third Day

Sunday, December 18 th 2016		
Name	Diagnosis	Action and Operator
Rika Female 25 years old	Tetraparesis UMN type ac atlantoaxial instability + susp nonunion odontoid fracture	O-C2 Fusion Operator: Kuniyoshi Abumi (Japan)
Tirto Husodo Male 59 years old	Cervical Spondylotic Myelopathy	Laminoplasty Operator: Jose Manuel F. Ignacio (Philippine)
Sampurno Male 50 years old	Cervical Spondylotic Myelopathy C5-C6	ACDF Operator: Dato K.S Sivananthan (Malaysia)
Anggraeni Wulansari Female 26 years old	Idiopathic Scoliosis	PSIF Operator: Mun Keong Kwan + Chris Chan (Malaysia)

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Picture: Live Surgery Situation



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Picture : Live Surgery Situation



Picture: Live Surgery with Prof Kuniyoshi Abumi