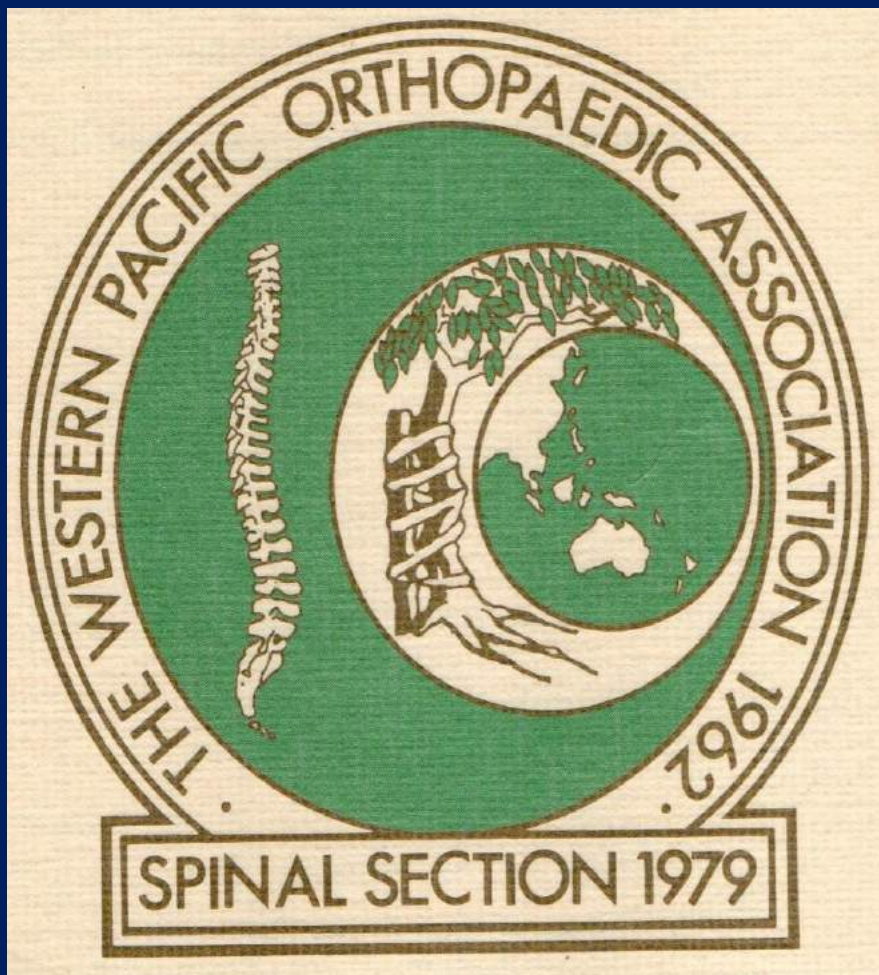


The APSS, 2016, Melbourne

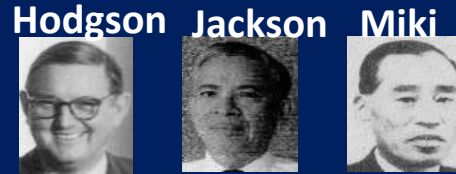
Spine Surgery in Asia Pacific Region - The Past, Present and Future -



Hiroshi Yamamoto
Past Chairman
WPOA Spine Section

WPOA (Western Pacific Orthopedic Association)

Japan, Korea, Taiwan
Hong Kong, Thailand, Malaysia
Singapore, Philippines, Indonesia
Australia, New Zealand



WPOA Congress

- 1st 1965, Japan
- 2nd 1968, Hong Kong
- 3rd 1970, Manila
- 4th 1973, Kuala Lumpur
- 5th 1976, Seoul
- 6th **1979, Taipei**



***Spine section was launched
as the first sub-specialty section***

WPOA, Spine Section 1979

Chairman Secretary-Treasurer



Yau, H.K.



Acosta, Phil.

Section Council Members



Griffiths
Australia



Leong
H.K.



Reksopur.
Indonesia



Spardan
Indonesia



Inoue
Japan



Yamamoto
Japan



Moon
Korea



Nicholson
New Zealand



Sembrano
Philippines



Chacha
Singapore



Yu
Taiwan



Keokarn
Thailand



Chotigawan.
Thailand



Subraman.
Malasia

WPOA Spine Section Congress

		Section Chair	Organising Chair
1 st : 1980	Manila	Yau	Acosta
2 nd : 1982	Perth	Yau	Griffiths
3 rd : 1983	Tokyo	Yau	Inoue
4 th : 1985	Bangkok	Inoue	Keokarn
5 th : 1989	Singapore	Inoue	Chacha
6 th : 1991	Seoul	Moon	Moon
7 th : 1992	Jakarta	Moon	Reksopurdjo
8 th : 1994	Taipei	Yu	Yu
9 th : 1996	Kochi	Yamamoto	Yamamoto
10 th : 1999	Pattaya	Yamamoto	Chotigawanich

Spine Surgery in Asia-Pacific

Era of Pre- WPOA Spine Section: ~ 1978

- TB spine : Curetting and fusion
- Spine deformity : Cast correction and fusion
- Spine trauma: fusion

After the Start of the Spine Section: 1979 ~

- Scoliosis: Harrington Instrumentation
- Ankylosing spondylitis: Surgical correction and fusion
- Myelopathy: Wide decompression by using air drill

Mission of WPOA Spine Section

- To advance spine care in Asia-Pacific
- To educate spine surgeons
by going around the Asia-Pacific countries

Spinal Operative Courses

1980: Manila

1983: Chiba

1985: Bangkok

1987: Manila

1991: Seoul

1992: Taipei, Kaoshiung

1998: Bangkok

3rd Practical Spinal Operative Course, Chiba

3rd Congress of the Spine Section, Tokyo, 1983



Spinal Operative Course



Pre-op. discussion
Live surgery
Post-op. discussion
Faculties ↔ Attendants



Combined Congress Spine Section & Pediatric Section

Pediatric spine disorders are the common topics

- 1st Combined Congress 1992 Jakarta
- 2nd Combined Congress 1994 Taipei
- 3rd Combined Congress 1996 Kochi
- 4th Combined Congress 1999 Pattaya

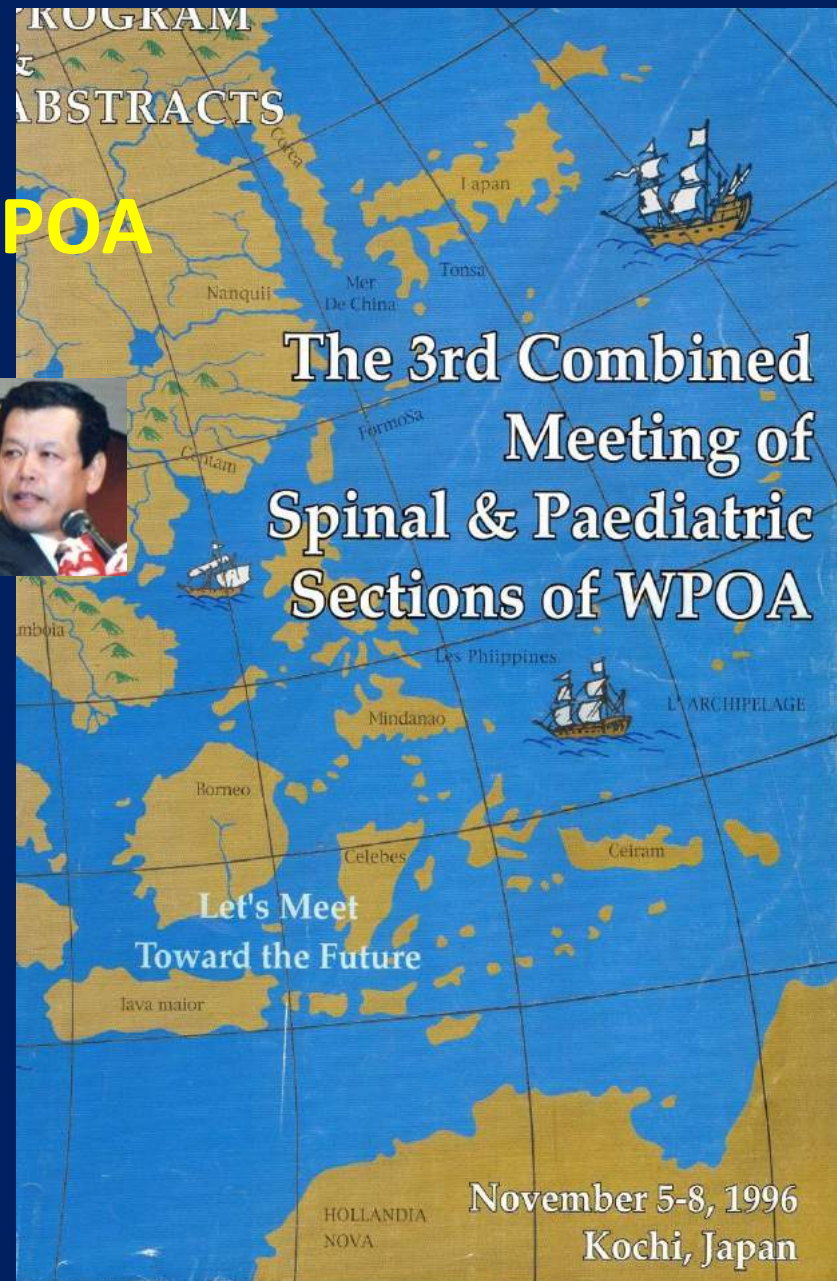
3rd Combined Congress Spinal & Pediatric Section, WPOA

1996 Kochi

370 attended
from 19 countries

206 spine papers

19 lectures



The 3rd Combined
Meeting of
Spinal & Paediatric
Sections of WPOA

November 5-8, 1996
Kochi, Japan

New Council Members at Kochi Congress

Hong Kong Dr. K. Luk, Dr. L. Hsu

Singapore Dr. H-K Wong

Taiwan Dr. P-Q Chen

Malaysia Dr. K.S. Sivananthan

Dr. D. Choon

Japan Dr. S.Kokubun

Dr. K. Shimizu

Australia Dr. I. Trode, Dr. O. Osti,

Korea Dr. J-Y Chung

Vietnam Dr. V.V. Thang



In the Era of the WPOA Spine Section 1979 - 2000

- Decompression using diamond head drill, for myelopathy
- Reduction and fusion using pedicle screwing,
for unstable lumbar spine
- Post. surgery using pedicle screwing, for scoliosis

*A contribution of Hong Kong university
as the secretary office*

2011 **WPOA** → **APOA**

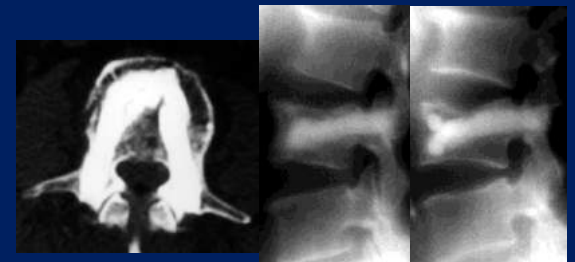
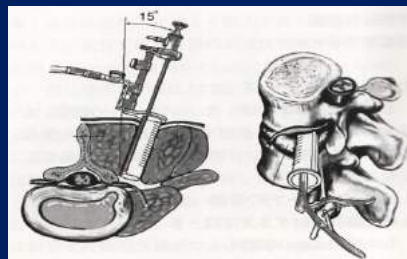
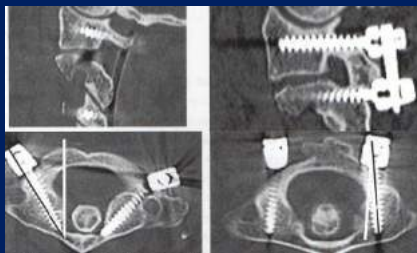
Asia Pacific Orthopedic Association

in the Era of APOA Spine Section 2001 - 2013

Pedicle screw fixation for cervical spine

Less invasive microendoscopic surgery

Vertebroplasty, kyphoplasty for osteoporotic fract.



10th APOA Operative Spine Course Kuala Lumpur 2001



APOA Spine Section



2015 **Asia Pacific Spine Society, APSS**

10th Combined Congress of APSS

2015 Hong Kong

11th Combined Congress of APSS

2016 Melbourne

* *37 years history since 1979*

* *Challenges for our future*

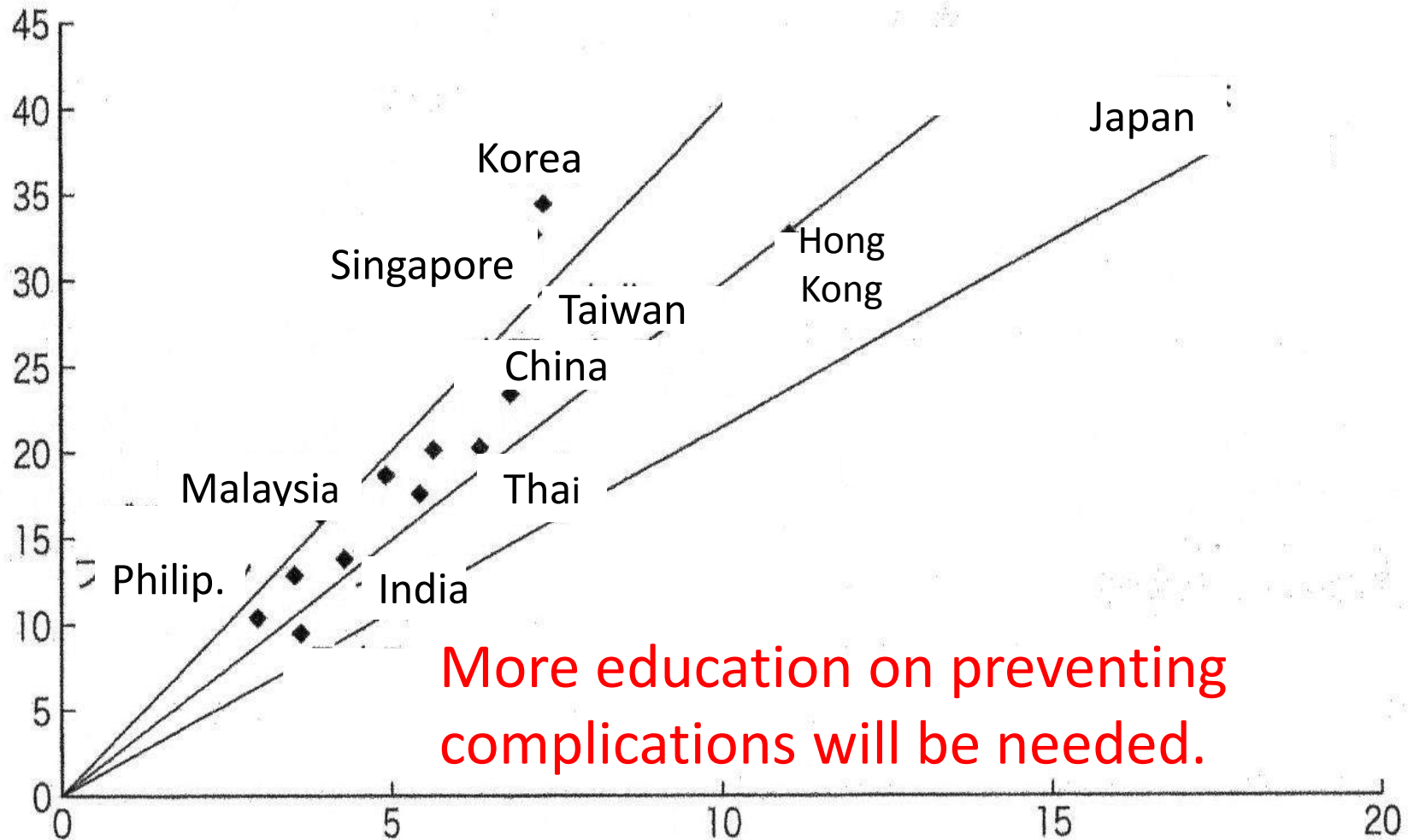
Nationwide Surveys for Spine Surgery in Japan

	cases	> 60y.	Complications
• 1994:	18,334	37 %	8.6%
• 2001:	16,157	49 %	8.6 %
• 2011:	31,380	63 %	10.4 %

Complications rate:

Scoliosis	12 %
Vert.fracture	16
Kyphosis	20

Fast-Aging Societies in Asian Countries



Post- operative acute and chronic pain



Drop in patient satisfaction for surgery care

*by using neuropathic pain drugs
physical reconditioning
psychological programs*

WHO, The Global Burden of Disease Study, 2012

Musculoskeletal Disorders

2nd greatest cause of disability

affecting 1.7 billion people

Low back pain : 0.6 billion

Neck pain : 0.3 billion

increased by 45% over the last 20 years

Multicenter RCT Studies in A-P Region

Survey for

- * Lumbar Canal Stenosis
- * Osteoporotic Compression Fracture
- * Senile Spine Deformity etc.

*Healthy spine condition is a key element of
“**Active Aging and Happiness**” of people*

Future Perspective for Innovative Spine Care

Translational researches on

bone, cartilage and spine-nerve regeneration therapy
using iPS cell

More less-invasive surgeries

combined with

local biological regeneration therapies

Certification System for APSS-trained Spine Surgeons

Certify the expertise surgeons
trained by

- * APSS scientific programs
- * Operative courses programs
- * Visiting fellowship programs

working closely with
national spine societies

National Spine Society

National Spine Society

Asia Pacific Spine Society

National Spine Society

National Spine Society

Spine Societies
on the other side of the Pacific Ocean



Asia Pacific Spine Society

*Let's encourage the younger spine surgeons
to join us in our activities and learn more
with “ **APSS Spirit of Challenge** ”*

*Our society will achieve a lot more
in accomplishing our missions*



**Healthy Spine Condition for
Active Aging and Happiness**