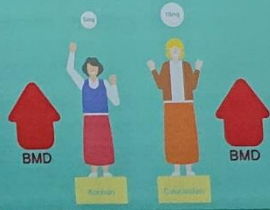


FOR OSTEOPOROSIS PATIENTS

MAXMARVIL<sup>®</sup> EC Tablet

Low Dose Alendronate(5mg)  
plus Calcium(0.5g)

Similar Improvement!



Incheon Tourism Organization

KOREA TOURISM ORGANIZATION

# APSS-APPOS 2019

April 4-6, 2019 Songdo ConvensiA Incheon, Korea

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DONG-A

WEEKLY PTH

Better ADL,  
Improvement of bone str...

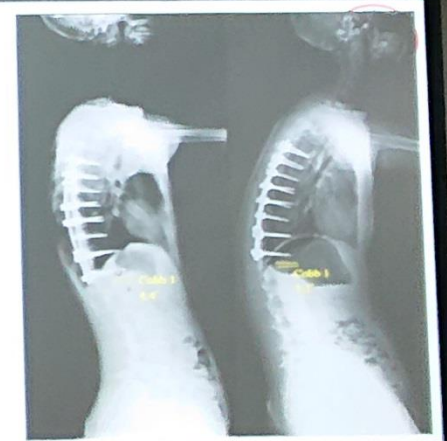
TERIBONE



04:46

## Introduction

- Posterior spinal fusion (PSF)
  - Adolescent idiopathic scoliosis (AIS)
  - Selective thoracic fusion
    - Preservation of motion
    - Risk of developing imbalance below the lowest instrumented vertebrae (LIV)
- Distal junctional kyphosis (DJK)
  - An abrupt transition between fused and mobile segments
  - Source of pain, imbalance and poor cosmesis



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04:53

# APSS DEPUY SYNTHES CLINICAL FELLOWSHIP 2019

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Dr Nischal Ghimire

APSS-APPOS 2019

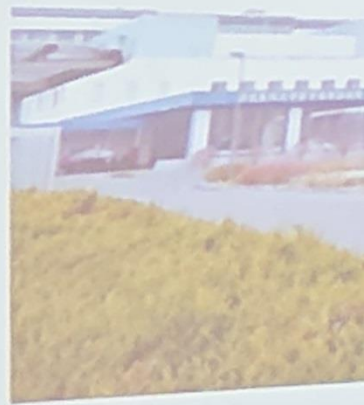
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02:56 APSS-APPOS 2019

A staged approach for lateral lumbar interbody fusion and open posterior corrective fusion in patients with degenerative kyphoscoliosis

Yu Yamato, Tomohiko Hasegawa, Daisuke Togawa, Go Yoshida, Tomohiro Banno, Hideyuki Arima, Shin Oe Yuki Mihara, Hiroki Ushirosako, Tomohiro Yamada, Yukihiro Matsuyama

Department of Orthopaedic Surgery, Hamamatsu Univ. Sch. of Med. Japan



Dept. of Orthopaedic Surgery, Hamamatsu University School of Medicine

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11:20 AM	<i>Gu Yufang</i> Percutaneous transforaminal endoscopic surgery (PTES) for symptomatic lumbar disc	11:40 AM	<i>Jason Pui Yin Cheung</i> The influence of developmental spinal stenosis on reoperation risk at the adjacent
11:25 AM	<i>Zaw-Min Oo</i> Outcome of decompression at late corda equina synd	11:45 AM	<i>Kuang-Ting Yeh</i> Sagittal alignment and the functional scores after long thoracolumbar instrumented
11:30 AM	<i>Tatsuya Yasuda</i> Impact of psoas muscle position relative to lumbar spine for pelvic alignment	11:50 AM	<i>Wan-Hwan Kwan</i> Risk factors for pseudarthrosis at L5-S1 after lumbosacral transforaminal lumbar
11:35 AM	<i>Ting-Chun Hsu</i> Lumbar spinal stenosis decompression with spine endoscopic surgery: preliminary	11:55 AM	<i>Si Jian Hui</i> Age stratified sagittal radiological parameters in Asian lumbar spinal deformity

08:00 AM 09:00 AM 10:00 AM 11:20 AM

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02:21

# PURPOSE

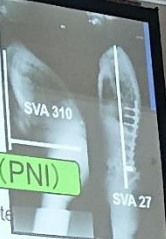
Onodera 1984

**Prognostic nutritional index (PNI)**

$PNI = 10 \times \text{Albumin} + 0.005 \times \text{total lymphocyte}$

Adult spinal deformity (ASD) patients

1. What is the risk factor of delirium ?
2. What is the cut-off value of PNI ?



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APSS-APPOS 2019  
April 4-6, 2019

Topic Paper  
Complication (3 min Presentation / 2 min Discussion)

Jee Chai Lee (Korea), Boon K Pak (Korea), Sang-Sea Kim (Korea)

11:20 - 11:25 Weng Shih-Feng (Taiwan)  
11:25 Postoperative spinal epidural hematoma, the danger caused by missed thrombus containing local hematoma

11:25 - 11:30 Sogun Gotoh (Japan)  
11:30 Relationship between the degree of retraction of posterior cervical extensor and axial pain after cervical laminoplasty

11:30 - 11:35 Ch Shih (Japan)  
11:35 Prognostic nutritional index less than 50 and age over 70 are risk factors of delirium after adult spinal deformity surgery

APSS-APPOS 2019





Remaining of end  
Soon after su





## Enhancement of intervertebral union

- Daily teriparatide usage (Ohtori et al., Spine, 2012)
- Weekly teriparatide usage (Ebata S et al., JBJS, 2017)

## Role of Weekly Teriparatide Administration on Osseous Union Enhancement within Six Months After Posterior or Transforaminal Lumbar Interspace Fusion for Osteoporosis-Associated Lumbar Degenerative Disorders

A Multicenter, Prospective Randomized Study

Shigeto Ebata, MD, PhD, Jun Takahashi, MD, PhD, Tomohiko Hasegawa, MD, PhD, Keiuro Mukaiyama,  
Yukihiro Isogai, PhD, Tetsuro Ohba, MD, PhD, Yosuke Shibata, PhD, Toshiyuki Ojima, MD, PhD, Zentaro Yamauchi,  
Yukihiro Matsuyama, MD, PhD, and Hiroataka Haro, MD, PhD





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April 4-6, 2019

Sheraton Hotel Grand Ball



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## K-pera 'Lin'

Fusion Korean Traditional Music  
'Gukak' Performance



# & Asia Pacific Paed Orthopaedic Soci

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Sheraton Hotel F. Grand Ball





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opaedic Society

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April 4-6, 2019

Sheraton Hotel 3F, Grand Ballroom

APSS-APPOS 20

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Asia Pacific Paediatric Orthopaedic Soci

