







# ULT

unteers

361

No whole spine radiographs

19

Unclear radiographs

3

No questionnaire returns

Identify the cut-off values

92

Age adjustment

Identify of risk factors



SPINE  
ACROSS  
THE SEA  
Jul. 29-Aug 2, 2018  
Kauai, Hawaii

## Radiographic measurements

### DISH

( Resnick Classification )

- ALL ossification along at least 4 contiguous vertebra
- preservation of intervertebral disk heights
- absence of sacroiliac joint involvement

- Location (**Thoracic** or **Thoraco-Lumbar**)
- Numbers of fused vertebral bodies
- Spinopelvic parameters (SVA, PT, PI, LL, TK)

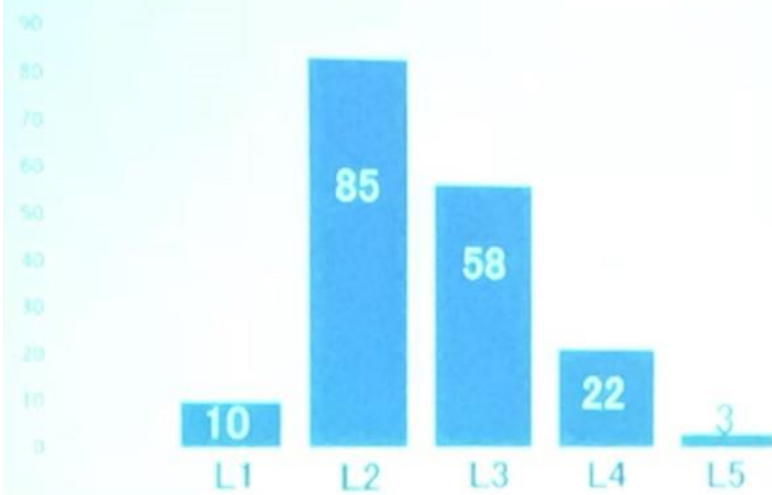
using standing whole spine radiograph



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Kauai, Hawaii

## Levels of Lumbar retrolisthesis



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Kauai, Hawaii



ns

SPINE 2016



SPINE  
ACROSS  
THE SEA  
Aug 1-29-Aug 2, 2016  
Honolulu, Hawaii







Yuki  
Name  
ATTENDEE

Name  
ATTENDEE

Hiroyuki  
Name  
ATTENDEE

Tomohiro  
Name  
ATTENDEE

Name  
ATTENDEE

SPINE  
ACROSS  
THE SEA  
MEMBER INFORMATION CENTER  
Date: Jul 27  
Time: 10:00 AM  
Venue: JAL 2F - Pacific Room 2  
13:00 - 15:00pm  
SPINE ACROSS THE SEA is a leading international spine clinic. We provide comprehensive spine care for patients from all over the world. We have a dedicated team of spine specialists and a state-of-the-art spine surgery center. We are committed to providing the best spine care for our patients.

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## MATERIAL AND METHODS

Duration: Mar 2010 – Oct 2015

Subjects: 282 consecutive patients who underwent ASD surgery

Inclusion criteria: Available the data 2 yr after surgery

Re-operation within 2yr after surgery due to PJK

Fused vertebrae over 5

Exclusion criteria: Neuromuscular disease (i.e Parkinson disease)

Syndromic scoliosis

Infection

Two years later

PJK group: PJK (+) or re-operation for PJK

Non-PJK group: PJK (-)

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THE SEA  
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Kuala Lumpur



