

Tường thuật hội nghị



# Hội nghị cột sống quốc tế

Khách sạn Majestic

3 ngày 30/11/12, 01/12/12, 02/12/12

Hồ Quang Hưng

22/2/2013

# De Novo Scoliosis = Degenerative scoliosis

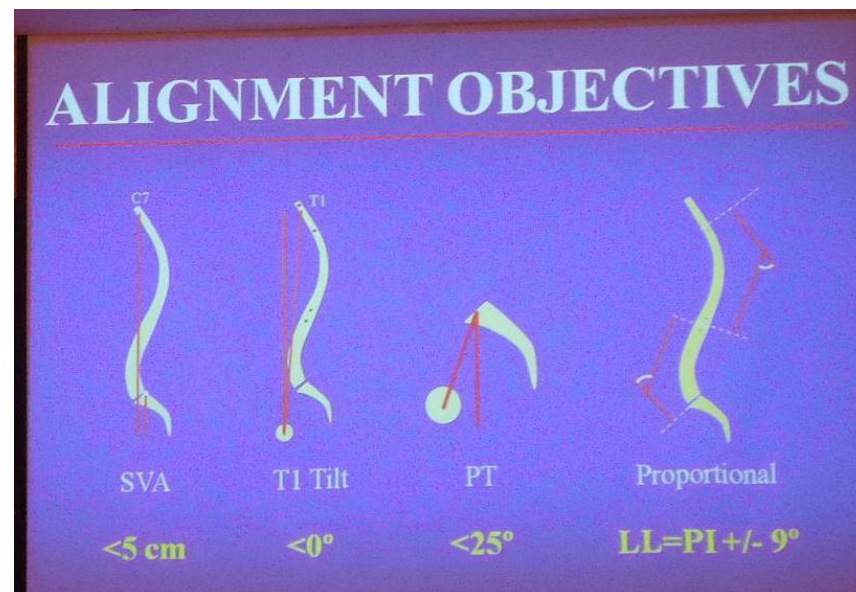
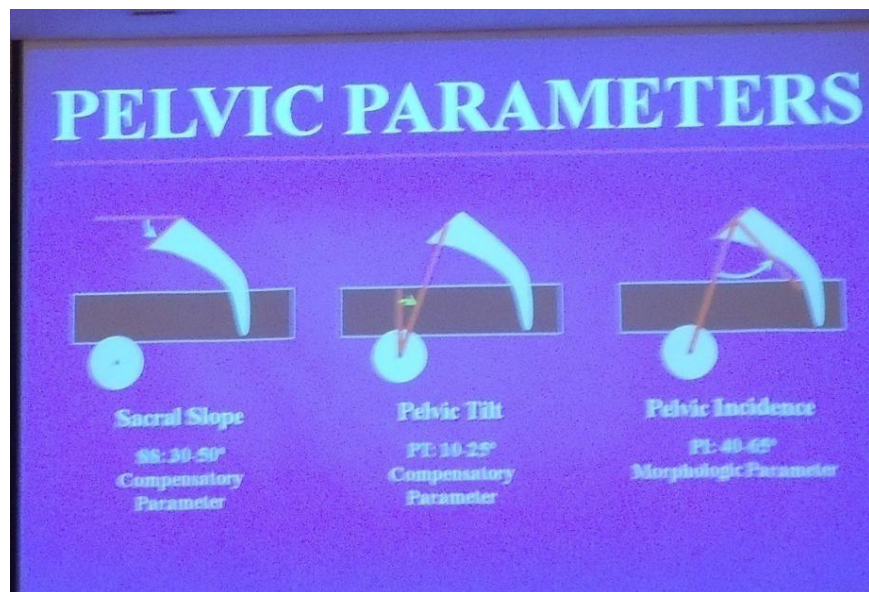
Prevalence: 10%

Asymmetrical disc degeneration

Cobb < 20



# Thông số độ nghiêng khung chậu (xương cụt) Thông số về sự canh hàng cột sống (thân mình)



Compensatory parameter:

1. SS: Sacral slope (30-50 degrees)
2. PT: Pelvic tilt (10-25)

Morphologic parameter:

1. PI: Pelvic incidence (40-65)

$PI = PT + SS$

**SVA: Sagittal vertical axis (<5cm)**

(C7PL: C7 Plumb line)

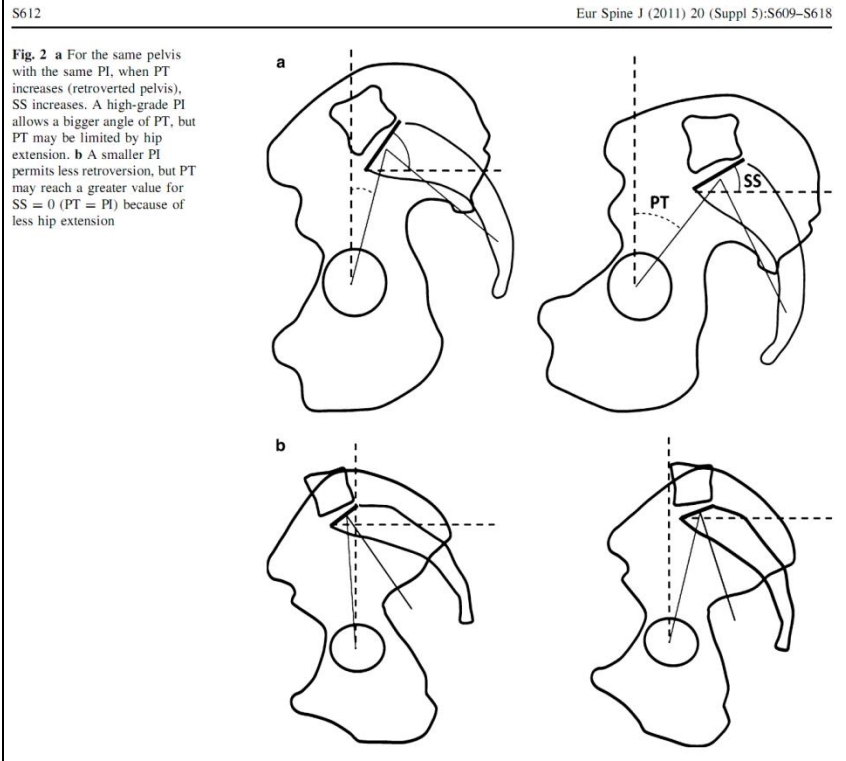
T1 Tilt (<0 degree)

LL: Lumbar lordosis

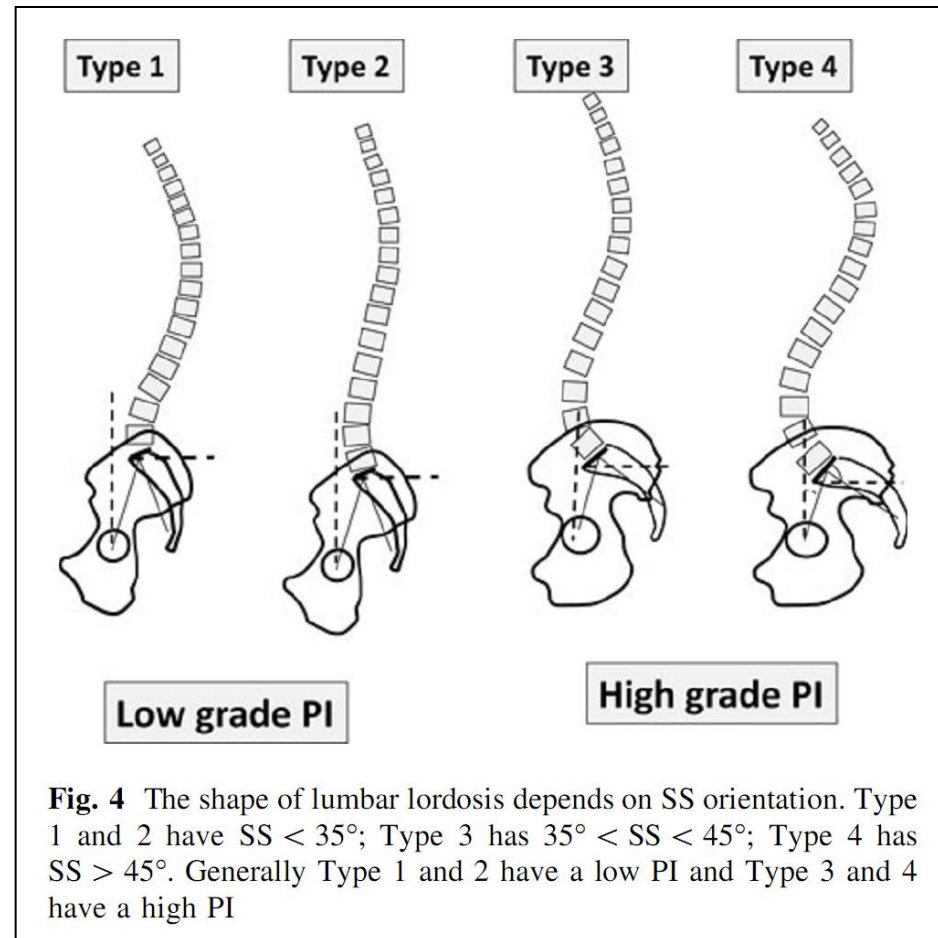
$LL = PI \pm 9$  degrees

BALANCE-IMBALANCE

# The influence of PI on positioning the pelvic



# Effect of PI on the shape of lumbar lordosis



Non-harmonious back	Harmonious flat back	Harmonious regular back	Harmonious hypercurved back
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# Spondylolisthesis

Variables		Spondylolisthesis N=214	Normals N=180
Pelvic Incidence	40-65	72 degrees	48 degrees
Pelvic tilt	10-25	22	7
Sacral Slope	30-50	49	41
Lumbar lordosis	30-50	66	48
Thoracic kyphosis		39	43

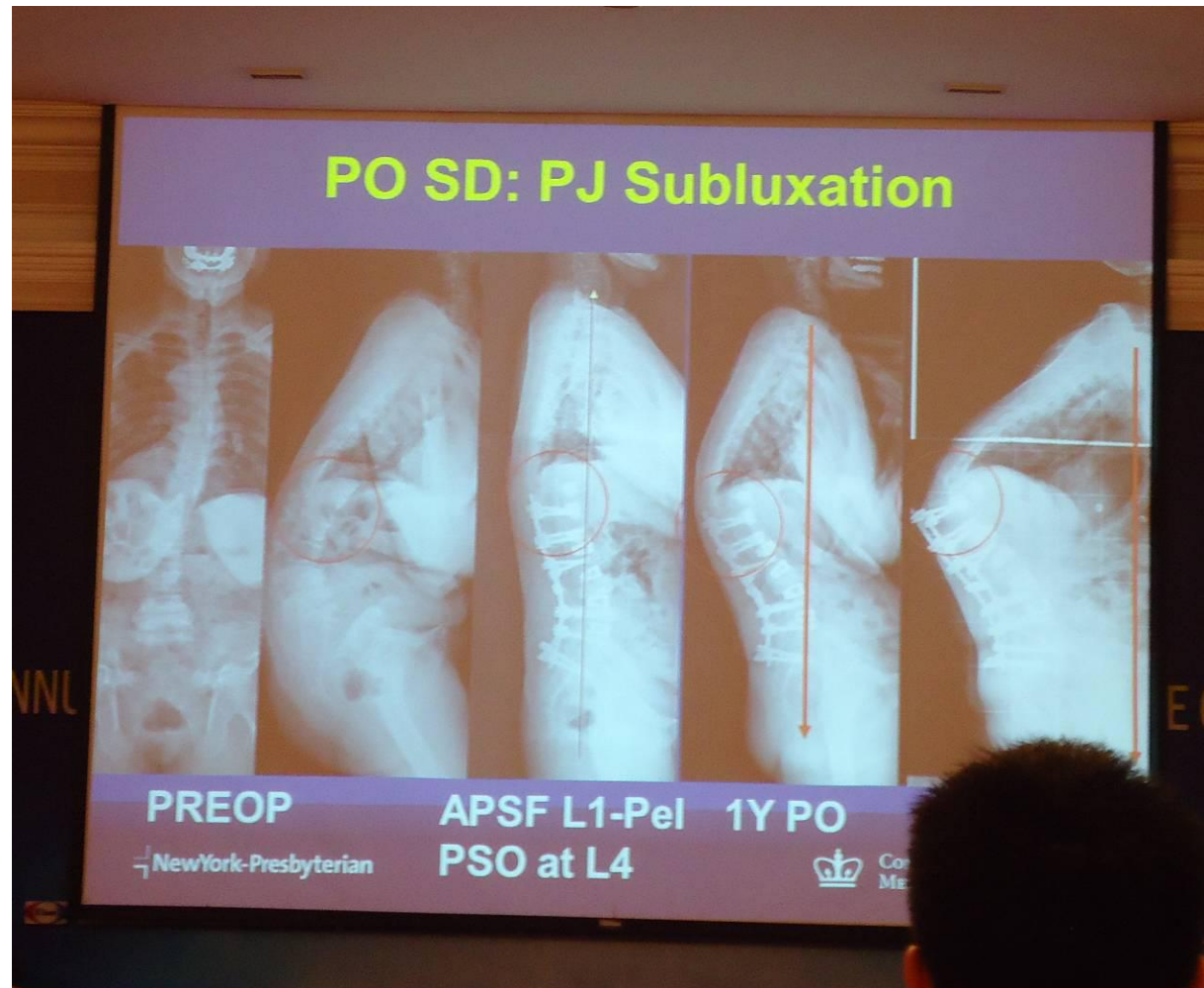
Low grade slip: core strengthening, trial of bracing

# Postoperative proximal/distal junctional subluxation (30%)

Degenerative Lumbar Kyphosis

Sagittal Spino-Pelvic Balance

Proximal/distal stops



# Defining the diagnosis in lumbar spine disorder

1. Clinical symptoms: leg pain, acute...
2. Structural pathology: disc collapse...
3. Compressive pathology: lateral compression...



Defining Diagnosis for Lumbar Spine Disorders

## Diagnostic Classification

### 3-digit descriptor

Digit 1	Symptoms	Description
1	Back Pain Dominant - Acute	Primary complaint is Low Back Pain. Symptoms < 3 months duration.
2	Leg Pain Dominant - Acute	Primary complaint is Leg Pain. Symptoms < 3 months duration.
3	Back Pain + Leg Pain - Acute	Patient reports 50% + 10% Low Back Pain and 50% + 10% Leg Pain. Symptoms < 3 months duration.
4	Back Pain Dominant - Chronic	Primary complaint is Low Back Pain. Symptoms > 3 months duration. May include multiple recurrent episodes of back pain (acute or chronic).
5	Leg Pain Dominant - Chronic	Primary complaint is Leg Pain. Symptoms > 3 months duration. May include multiple recurrent episodes of leg pain (acute or chronic).
6	Back Pain + Leg Pain - Chronic	Patient reports 50% + 10% Low Back Pain and 50% + 10% Leg Pain. Symptoms > 3 months duration. May include multiple recurrent episodes of back and leg pain (acute or chronic).
7	Neurogenic Classification	Numbness, weakness or pain in the buttocks or legs, unassociated by walking or standing, relieved by sitting.
8	Cauda Equina Syndrome	Lowest complaint is motor weakness, incontinence or Cauda Equina Syndrome, with or without associated complaints of pain.

Clinical Symptoms

# Complications of lumbar discectomy

## 1. Dural tear:

- 3.6% / first discectomy
- 8.5% / spinal stenosis surgery
- 13.2% / revision discectomy
- Sequelae: pseudomeningoceles

## 2. Nerve injury: 0.3%

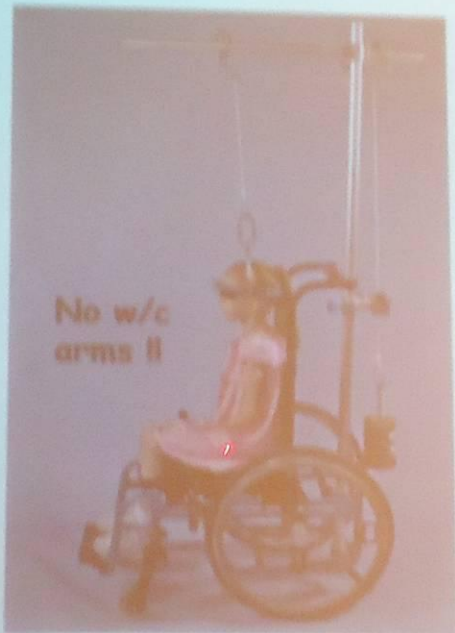
## 3. Infection: 0.5%

- 80%: symptoms within 4 weeks
- MRI: gadolinium-DTPA

## 4. Wrong level surgery: <12%

- 50% surgeons reported 1 time during career

Fixed weight - possible explanation  
for neuro lesions, etc



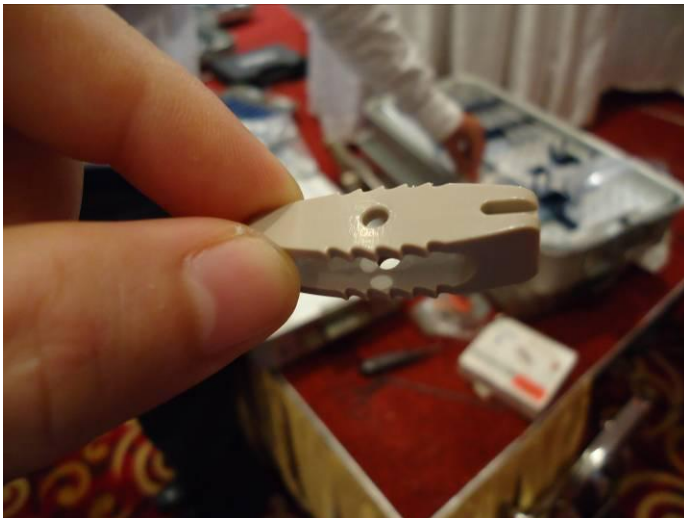
No w/c  
arms!!



Unable  
to  
relieve  
by push  
up

# Workshop

Screw and rod system, Implant-based reduction, Interbody implant, Pedicle screw fixation (bắt vít chân cung)



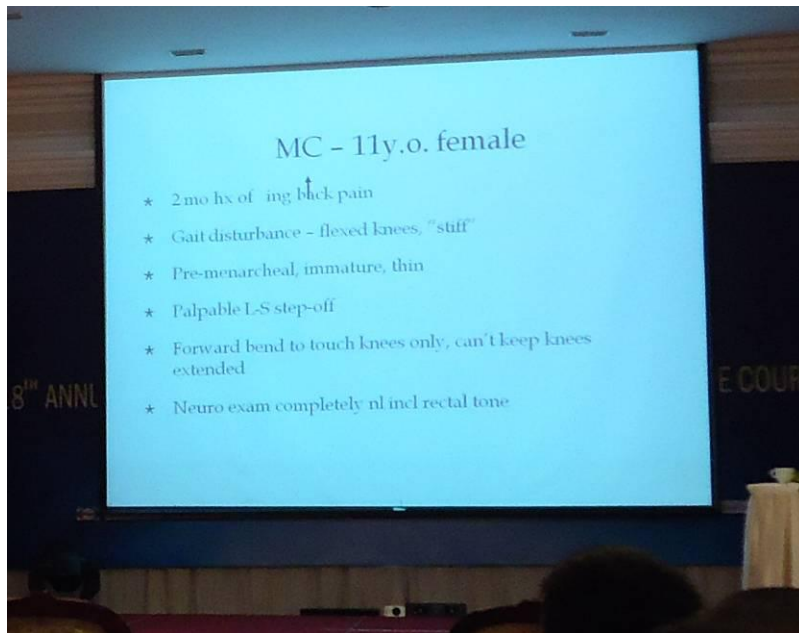
# Case presentation – Round table

BS fellow hay resident trình bày

Slide đơn giản

Ý kiến chuyên gia

Chủ tọa (moderator) điều phối





KS Majestic nhìn ra sông Sài Gòn



BS Huỳnh Mạnh Nhi, khoa Nhi BV Chấn thương chỉnh hình (HTO: Hospital of Trauma and Orthopaedics)