

Orthoview 101

Dr. Duy Thai

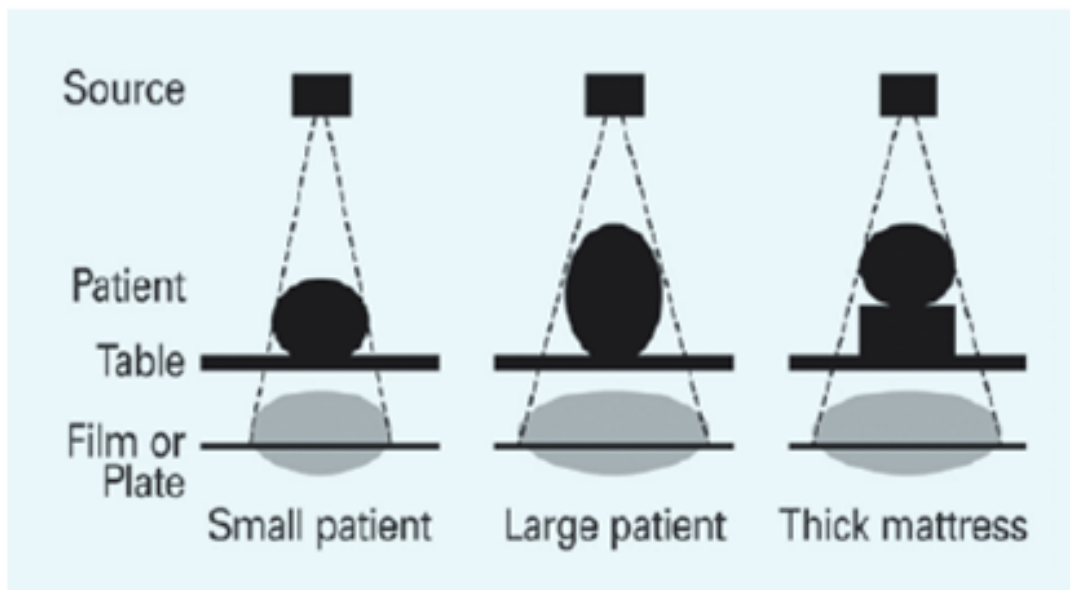
- OrthoView™ allows digital image to be imported
 - Scaling of image performed
 - Appropriately scaled template used
 - Library of prostheses from different companies

The logo for OrthoView™ is centered on a white rectangular background. The word "OrthoView" is written in a bold, sans-serif font, with "Ortho" in black and "View" in blue. A small "TM" trademark symbol is positioned to the upper right of the "View". Below "OrthoView", the words "Orthopaedic Digital Templating" are written in a smaller, black, sans-serif font.

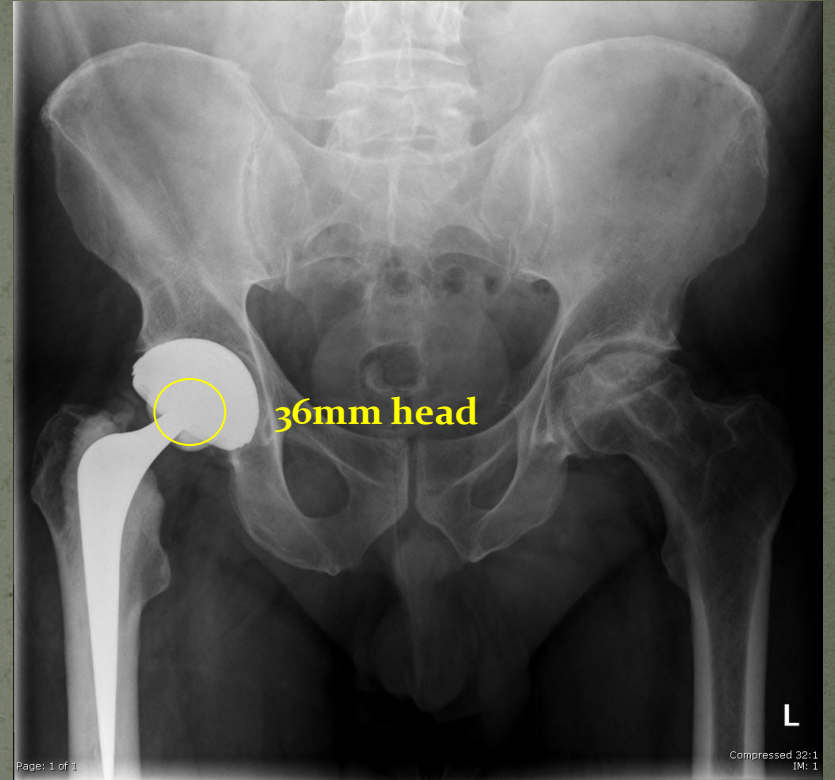
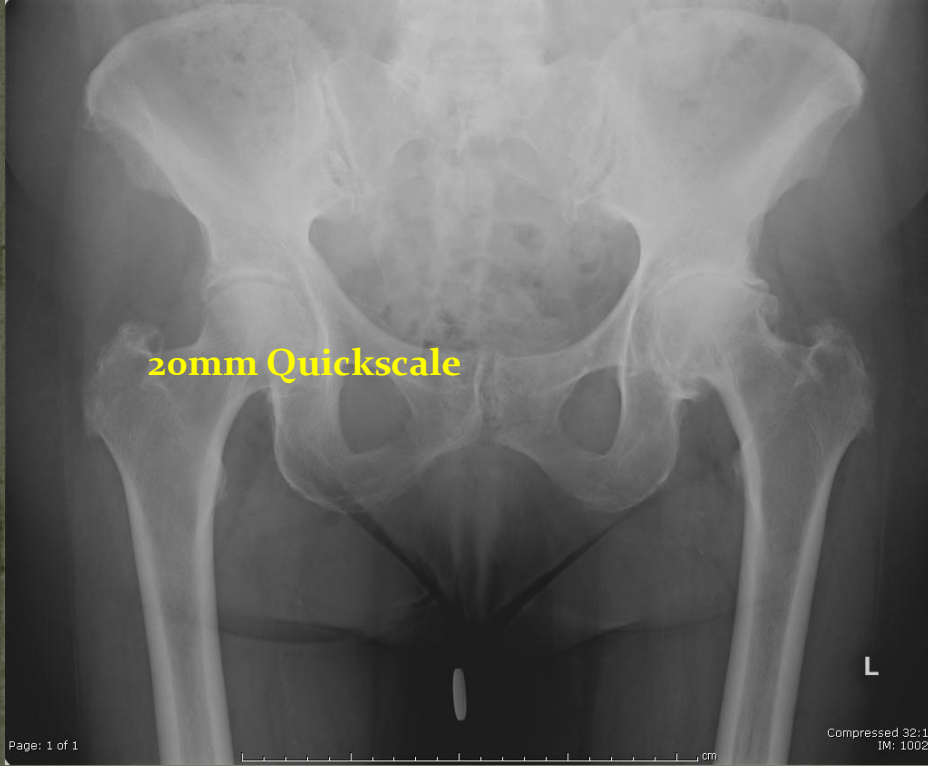
OrthoView™
Orthopaedic Digital Templating

Disclosure: No outside funding or grants were received from OrthoView, Meridian Technique LTD, UK for this research or preparation of this work

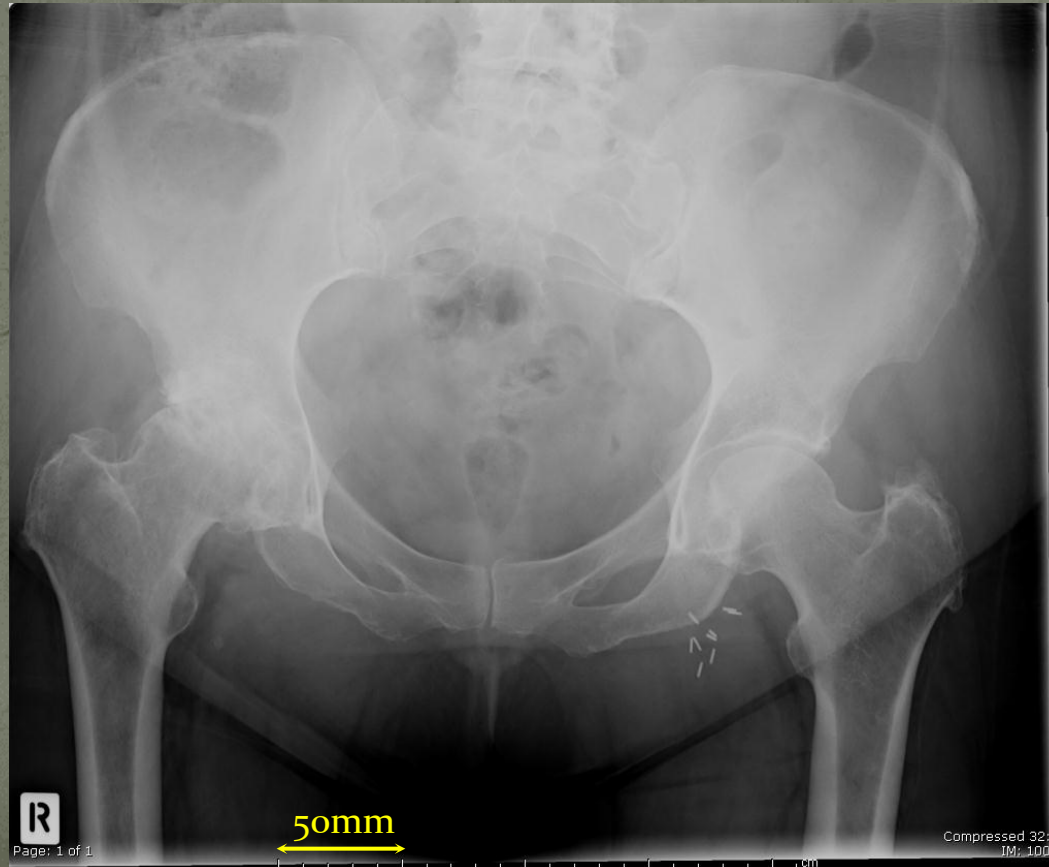
Why Scaling ?



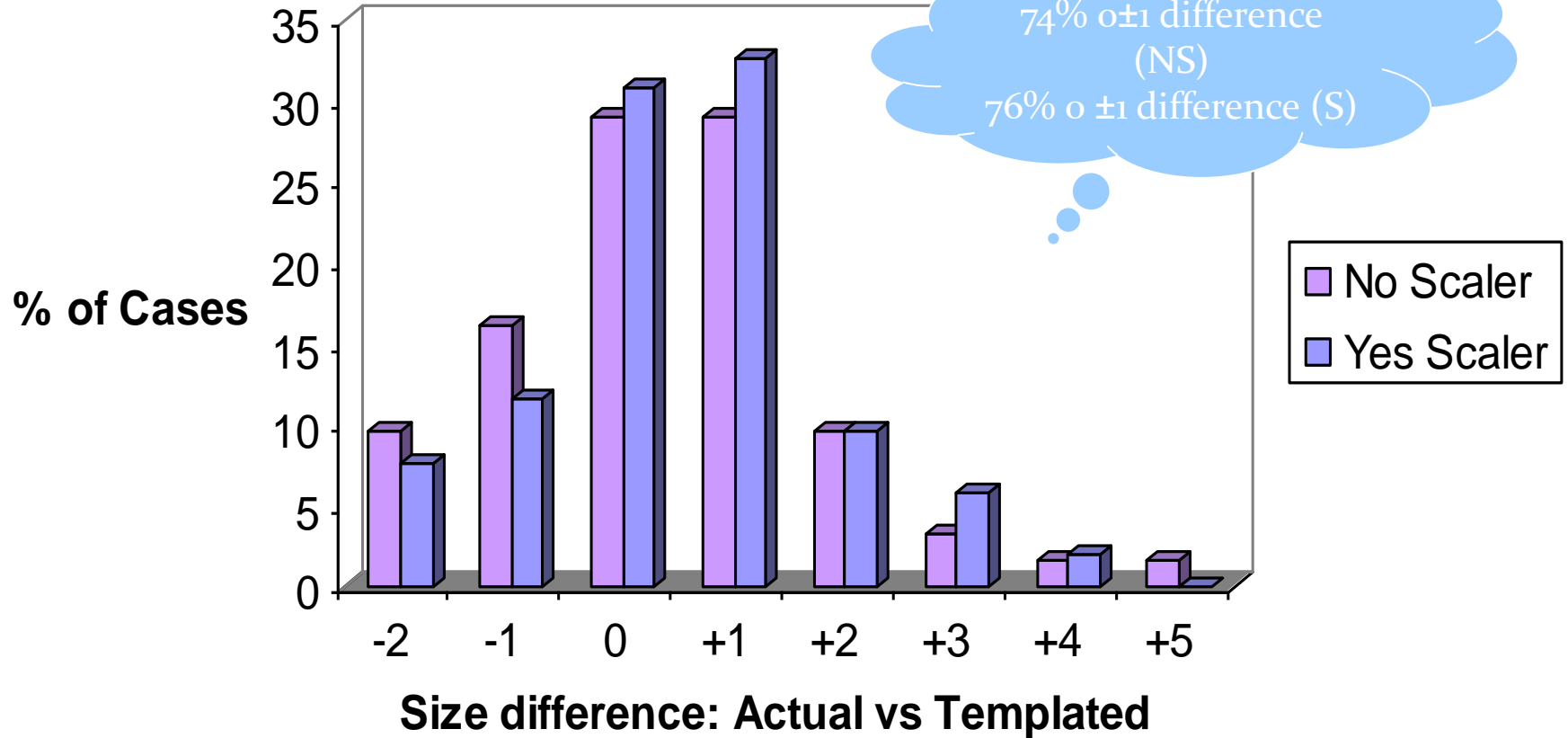
Magnification is dependant on how far the object being imaged is from the Xray plate



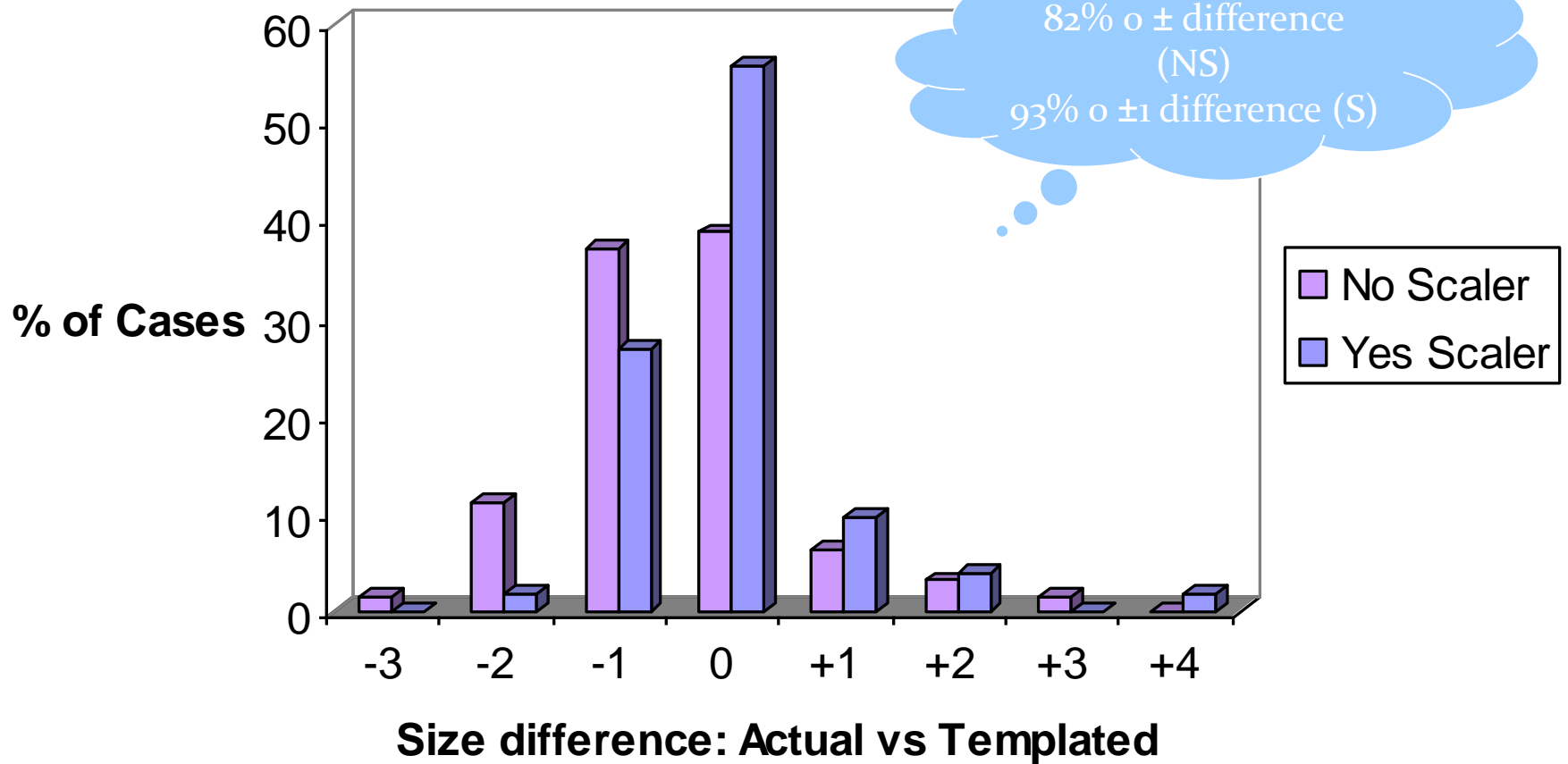
- No scaling marker available?
- “Ruler method”
 - At the level of the plate, not the patient



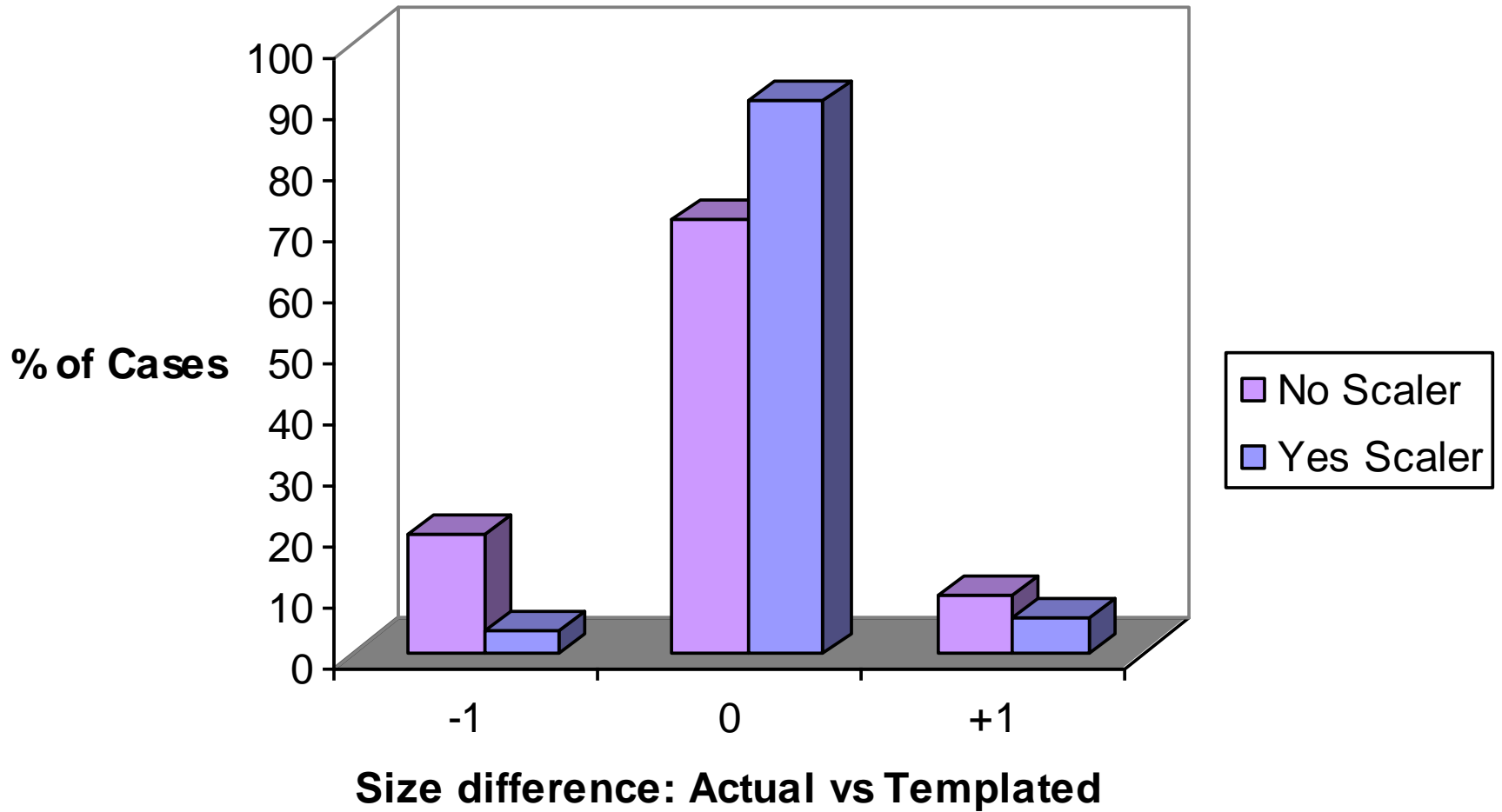
Acetabulum



Femoral Stem



Femoral Offset



Examination Exam 14 Octob... more...

Hide Panel Discard
Notes Finish



Scaling

Scaling Planning Reduction Templating no scale [R + AP]

Image manipulation tools



Type of X-ray

X-ray direction: AP PA M/L L/M
X-ray laterality: Left
 Right
 Bilateral

Scaling tools



OverSize %: 115.0 Confirm OverSize



Examination

Exam 14 Octob...

more...

Hide Panel

Discard

Notes

Finish



Scaling

Image manipulation tools



Type of X-ray

X-ray direction: AP PA OML LM

X-ray laterality: Left

Right

Bilateral

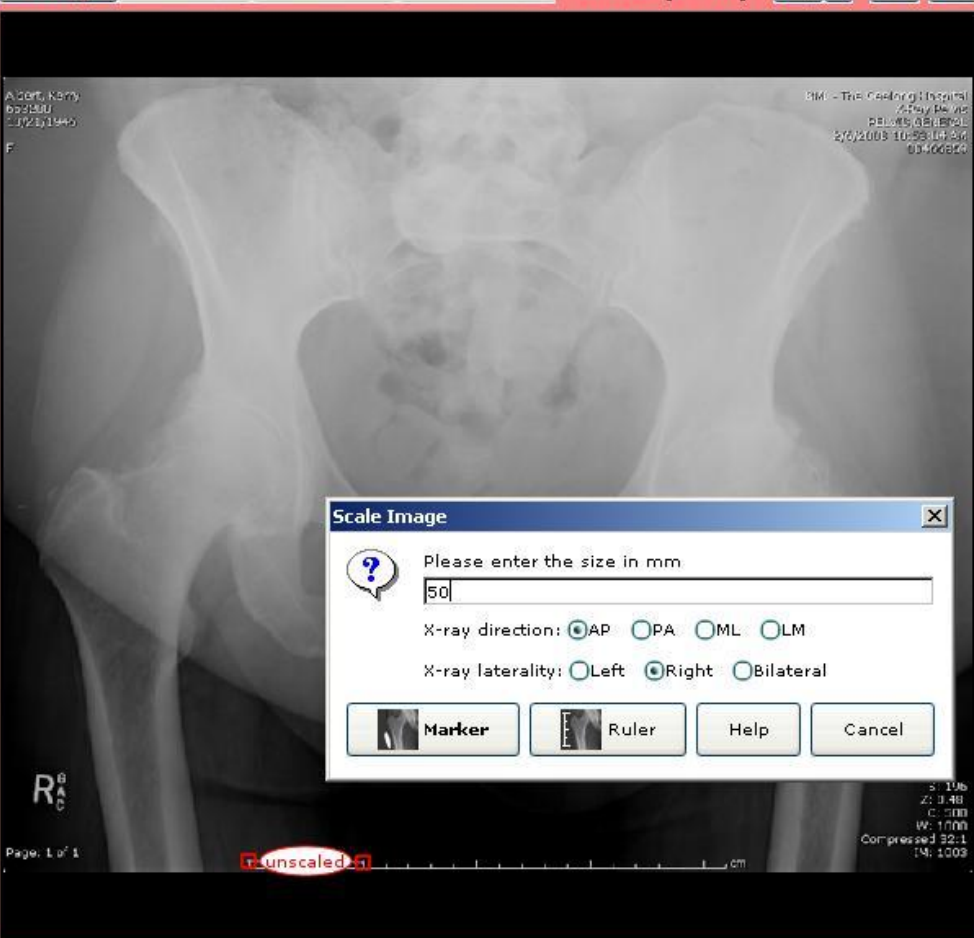
Scaling tools



Oversize %:

Confirm Oversize

Scaling Planning Reduction Templating no scale [R + AP]



Scale Image

Please enter the size in mm

X-ray direction: AP PA OML LM

X-ray laterality: Left Right Bilateral

Marker Ruler

Hide Panel Discard
Notes Finish

Examination Exam 14 Octob... more...



Scaling Planning Reduction Templating scale [L + AP]



Scaling

Image manipulation tools



Type of X-ray

X-ray direction: AP PA ML LM

X-ray laterality: Left

Right

Bilateral

Scaling tools



Oversize %: 115.0

Confirm Oversize

Examination Exam 14 Octob... more...

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Notes Finish



Scaling Planning Reduction Templating scale [L + AP]



Scaling

Image manipulation tools



Type of X-ray

X-ray direction: AP PA ML LM
X-ray laterality: Left
 Right
 Bilateral

Scaling tools



OverSize %: 115.0 Confirm Oversize

OrthoView

File Panel Image Window Help

Institution: Royal Childrens Hospital
User: Leo Donnan

Idle

Examination Exam 14 Octob... more...

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Notes Finish

Scaling

Scaling Planning Reduction Templating scale [L + AP]

OrthoView

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Institution: Royal Childrens Hospital
User: Leo Donnan

Idle

Examination Exam 14 Octob... more...

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Notes Finish

Scaling

Scaling Planning Reduction Templating thr [R + AP]

Image manipulation tools

Type of X-ray

X-ray direction: AP PA ML LM

X-ray laterality: Left Right Bilateral

Scaling tools

Enlarge Shrink Rotate Reset

Enlarge %: 115.0 Confirm Enlarge

OrthoView

File Panel Image Window Help

Institution: Royal Childrens Hospital
User: Leo Donnan

Idle

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Notes Finish

Scaling

Image manipulation tools

OrthoView

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Idle

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Notes Finish

Scaling

Image manipulation tools

Scaling tools

Enlarge %: 115.0 Confirm Oversize

Scale Image

Please enter the size in mm

32

X-ray direction: AP PA OML LM

X-ray laterality: Left Right Bilateral

Marker Ruler Help Cancel

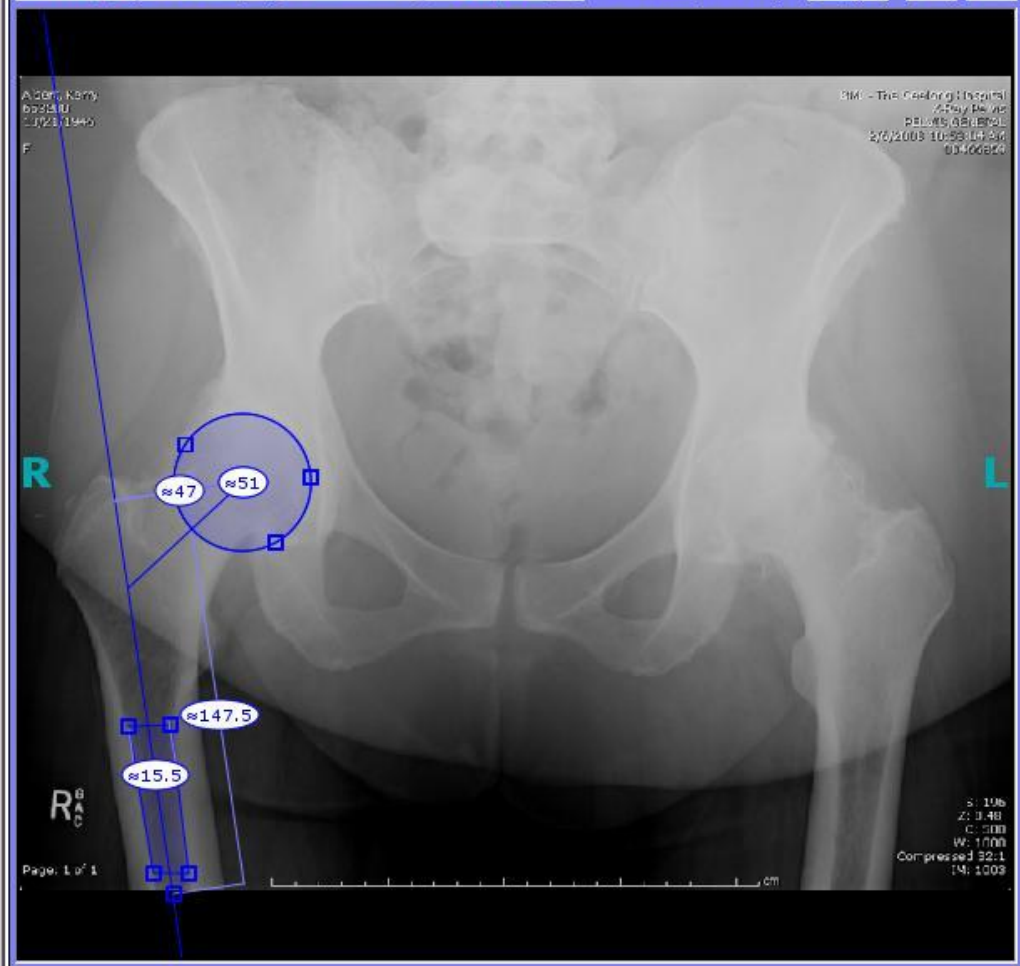
unscaled

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Notes Finish



Scaling Planning Reduction Templating no scale [R + AP]



Planning

Reduction Templating

Total Hip Replacement (R) Add new procedure...

Total Hip Replacement

- Wizards**
- Hip Joint AP/PA Wizard
 - Femoral Neck Angle Wizard
- More Wizards...

Planning Results Show all

no scale

Side	Description	Value	Hide
Right	Femoral Head Diameter	51 mm	Hide
Right	Proximal Femoral Canal Diameter	15.5 mm	Hide
Right	Minimal Mantle Depth	84.5 mm	Hide
Right	Femoral Offset	47 mm	Hide
Right	Distal Femoral Canal Diameter	13 mm	Hide

OrthoView Institution: Royal Childrens Hospital User: Leo Donnan **Idle**

File Panel Image Window Help

Examination Exam 14 Octob... more...

Hide Panel Discard Notes Finish

Scaling Planning Reduction **Templating** no scale [R + AP]

A cert. Kern
 652300
 11/21/1440
 F

BM - The Childrens Hospital
 4250 Hwy 66 W
 PELHAM, NH 03076
 2/2/2008 10:59:09 AM
 03406824

R
 L

s: 106
 z: 0.48
 C: 500
 W: 1000
 Compressed 32:1
 IM: 1009

Page: 1 of 1

OrthoView™
 Orthopaedic Digital Imaging
 Generic Acetabular Cup

Additional Controls

Alignment: To Wizard

Cup size: 52.0, 54.0
 Socket size: 28.0, 30.0

OrthoView™
 Orthopaedic Digital Imaging
 Generic Femoral Stem

Additional Controls

Alignment: To Wizard

Size: 1, 2
 Offset: Medium, Large
 Head diameter: 28.0, 30.0
 Head length: -3, Standard

This demonstration e-Template MUST NOT be used for orthopaedic templating.

This demonstration e-Template MUST NOT be used for orthopaedic templating.

Start | Synapse/Syn... | Synapse/Syn... | digital templa... | orthoview pa... | OrthoView | 10:07 PM