

PEMBERTON OSTEOTOMY

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INTRODUCTION

Pelvic Osteotomies for the Treatment of Hip Dysplasia in Children and Young Adults

*CDR Bruce L. Gillingham, MC, USN; LCDR Anthony A. Sanchez, MC, USNR; and
Dennis R. Wenger, MD*

**Redirectional (Complete)
Osteotomies**

**Reshaping (Incomplete)
Osteotomies**

**Salvage/Augmentation
Procedures**

INTRODUCTION

Pericapsular Osteotomy of the Ilium for the
Treatment of Congenitally Dislocated Hips

PAUL A. PEMBERTON, M.D.

INDICATIONS

Pemberton Osteotomy for Acetabular Dysplasia

Shier-Chieh Huang, MD, PhD, Ting-Ming Wang, MD, PhD, Kuan-Wen Wu, MD,
Chien-feng Fang, MD, and Ken N. Kuo, MD

- Developmental dysplasia of the hip
- Acetabular dysplasia
- Legg-Calvé-Perthes disease with femoral head subluxation/ lateral protrusion
- Anterosuperior deficiency of the acetabulum secondary to neuromuscular disease
- Sequelae of an infected hip with femoral head subluxation

CONTRAINDICATIONS

Pemberton Osteotomy for Acetabular Dysplasia

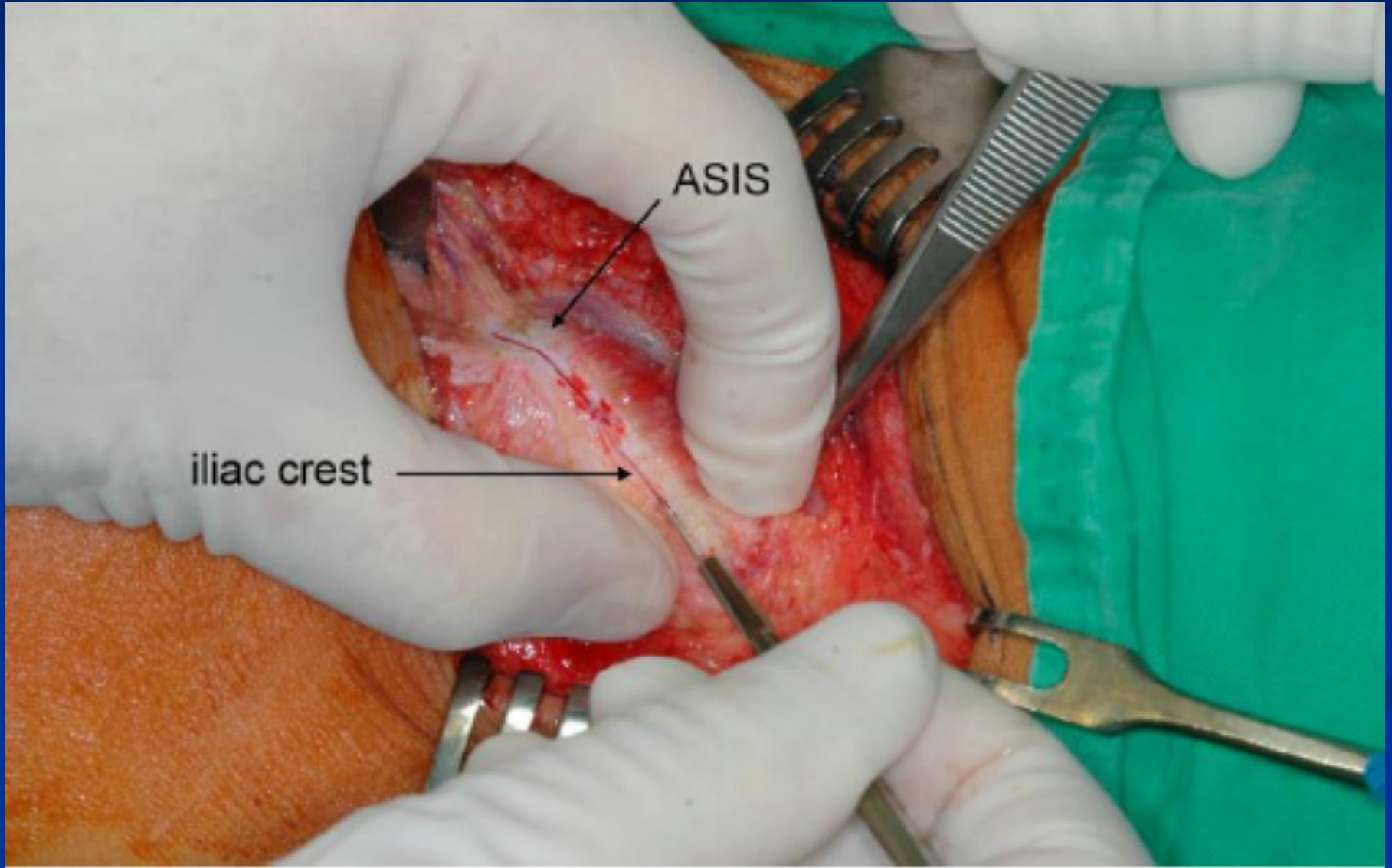
Shier-Chieh Huang, MD, PhD, Ting-Ming Wang, MD, PhD, Kuan-Wen Wu, MD,
Chien-feng Fang, MD, and Ken N. Kuo, MD

- Closed triradiate cartilage
- Deformed femoral head
- Small acetabular volume
- Active infection/osteomyelitis

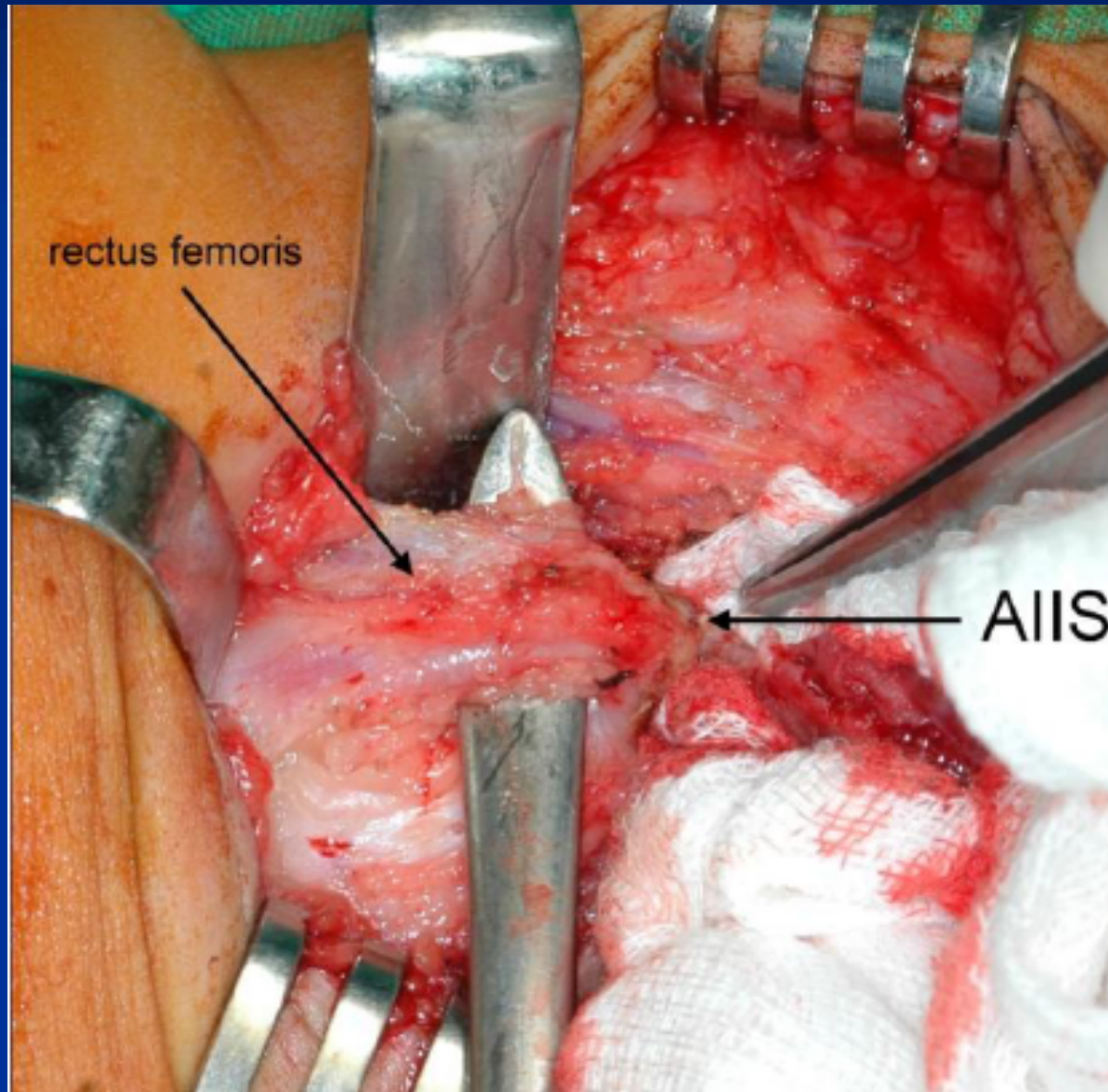
APPROACH



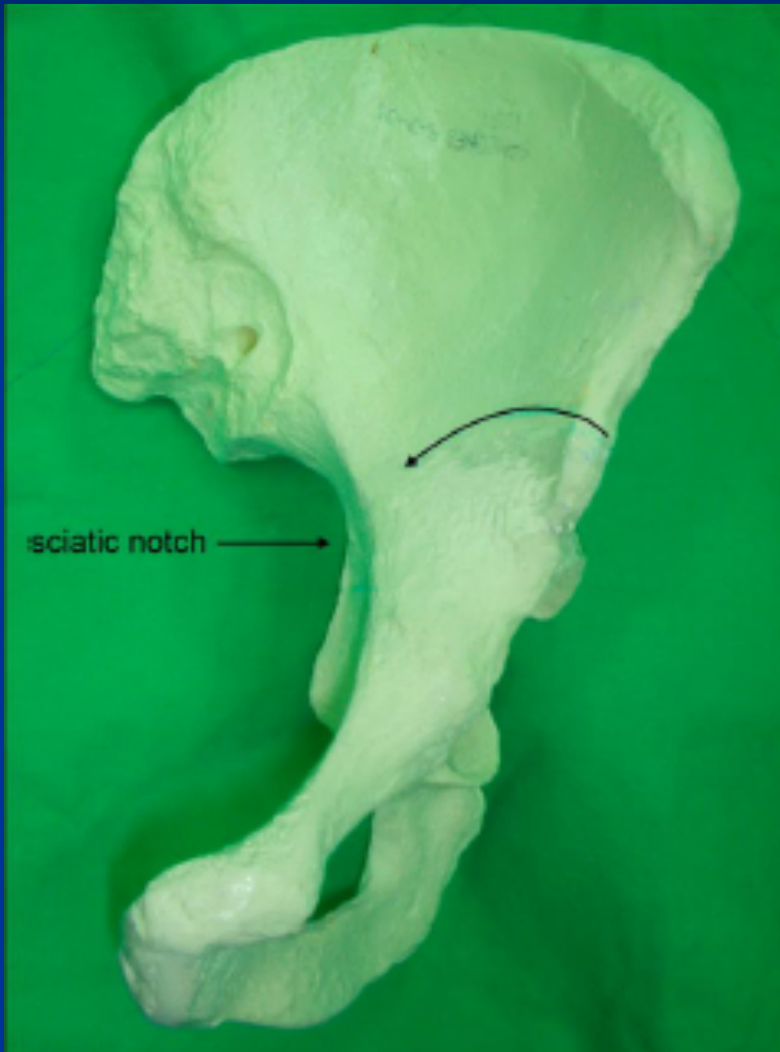
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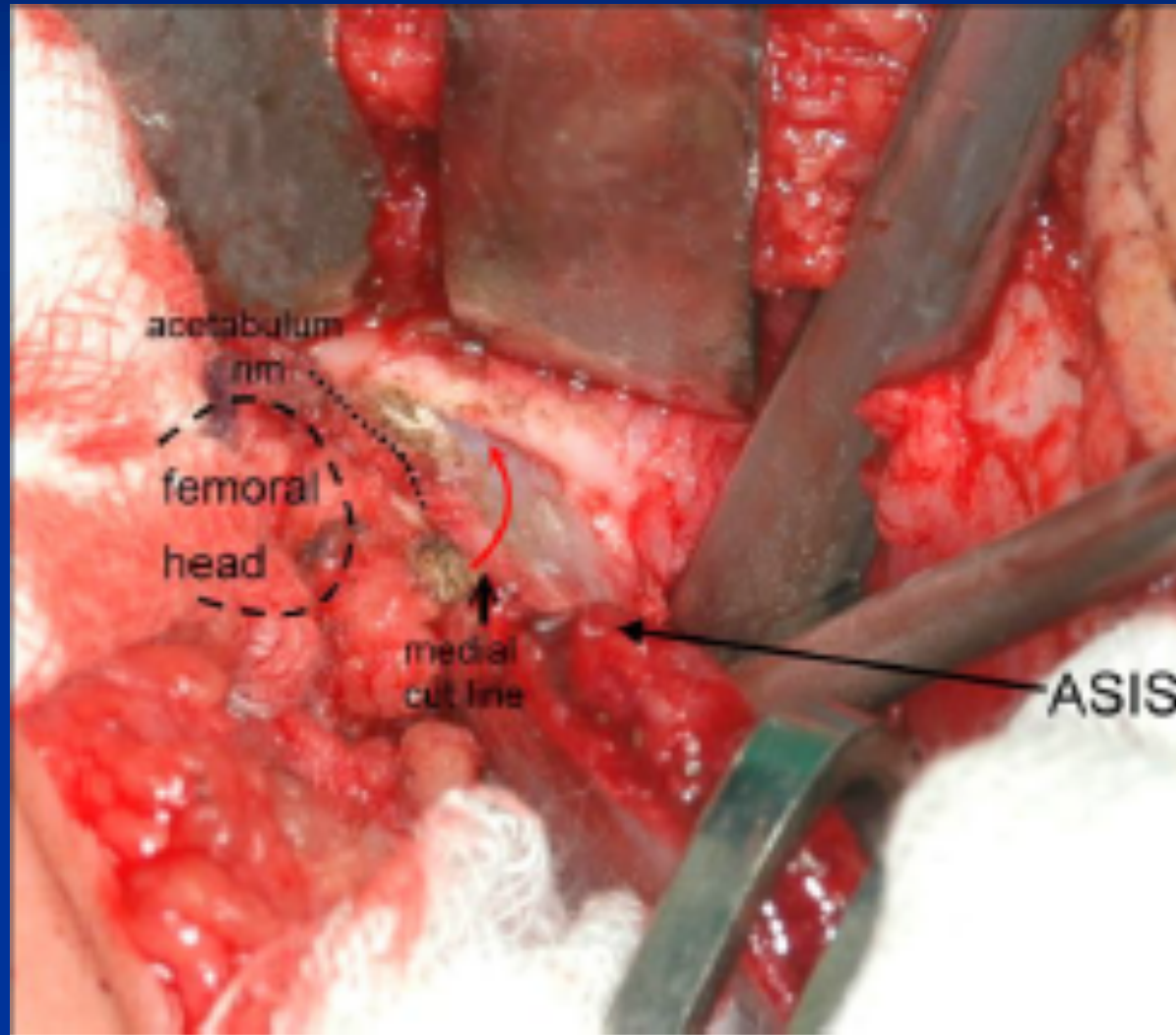
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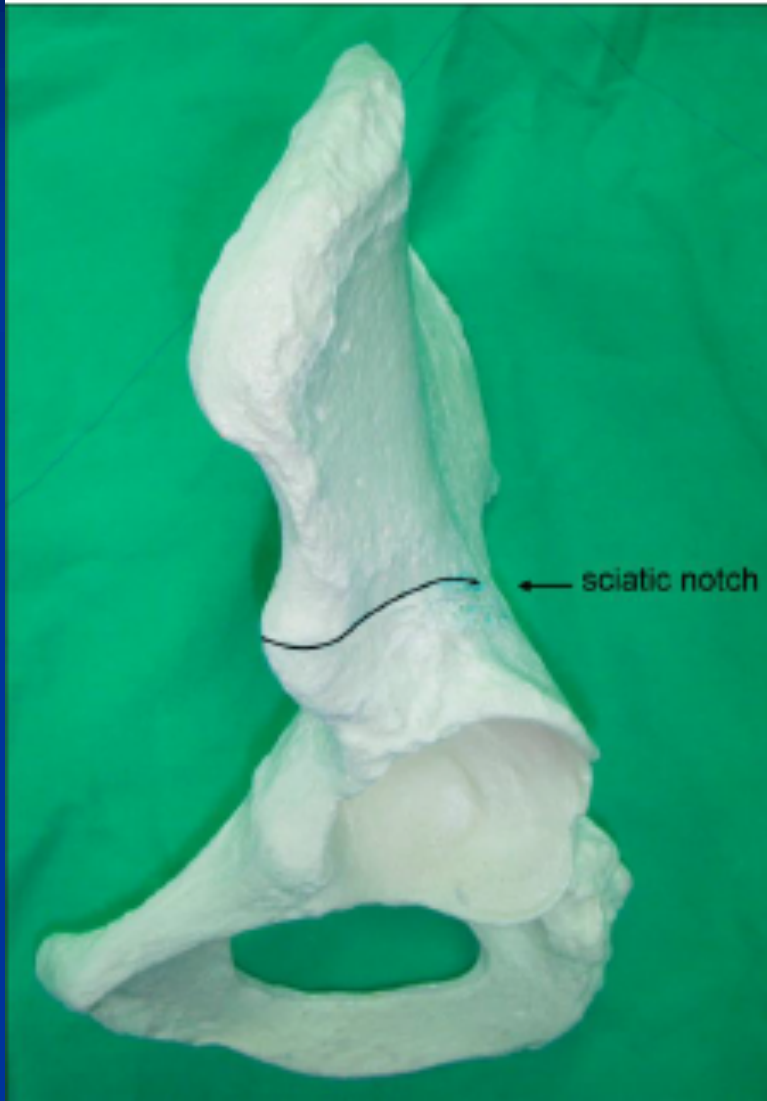
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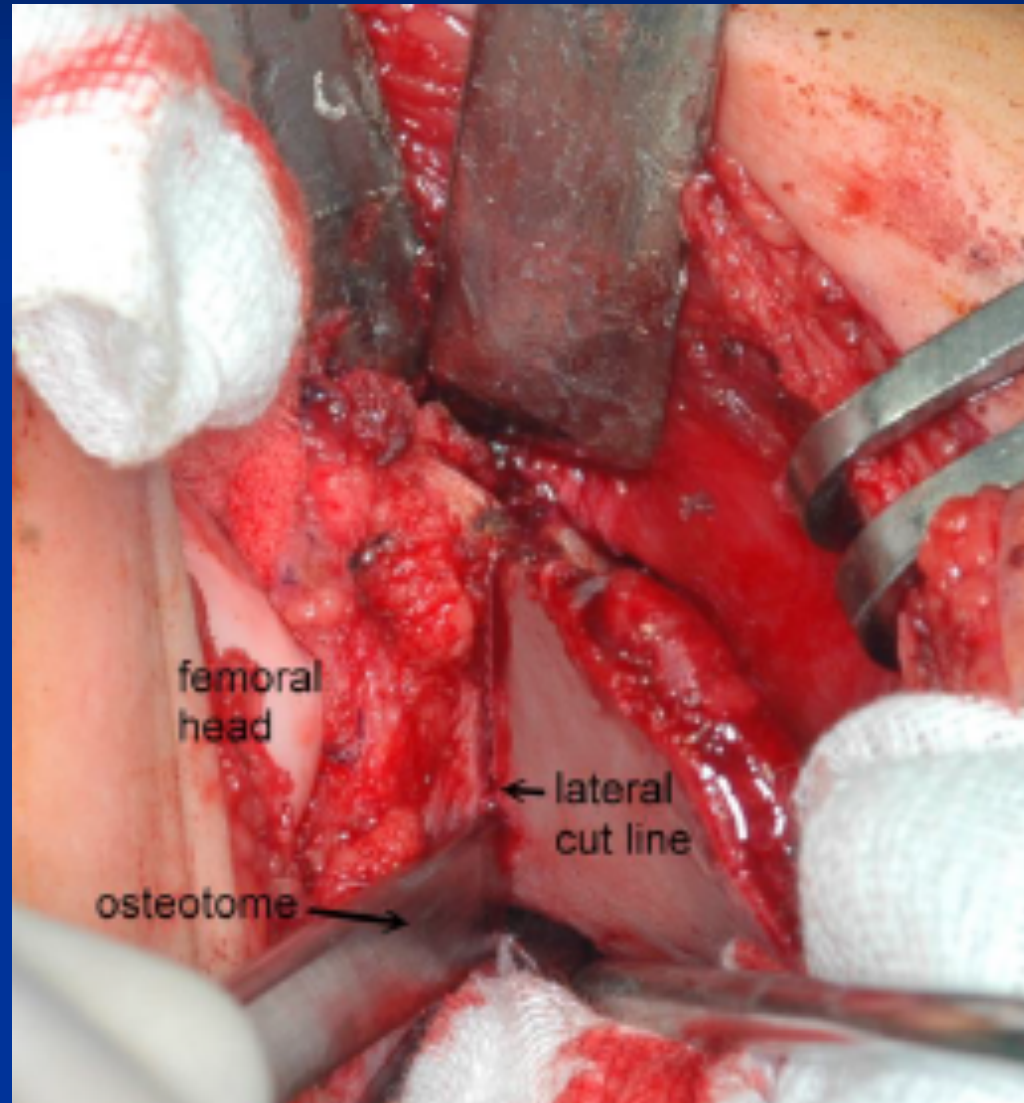
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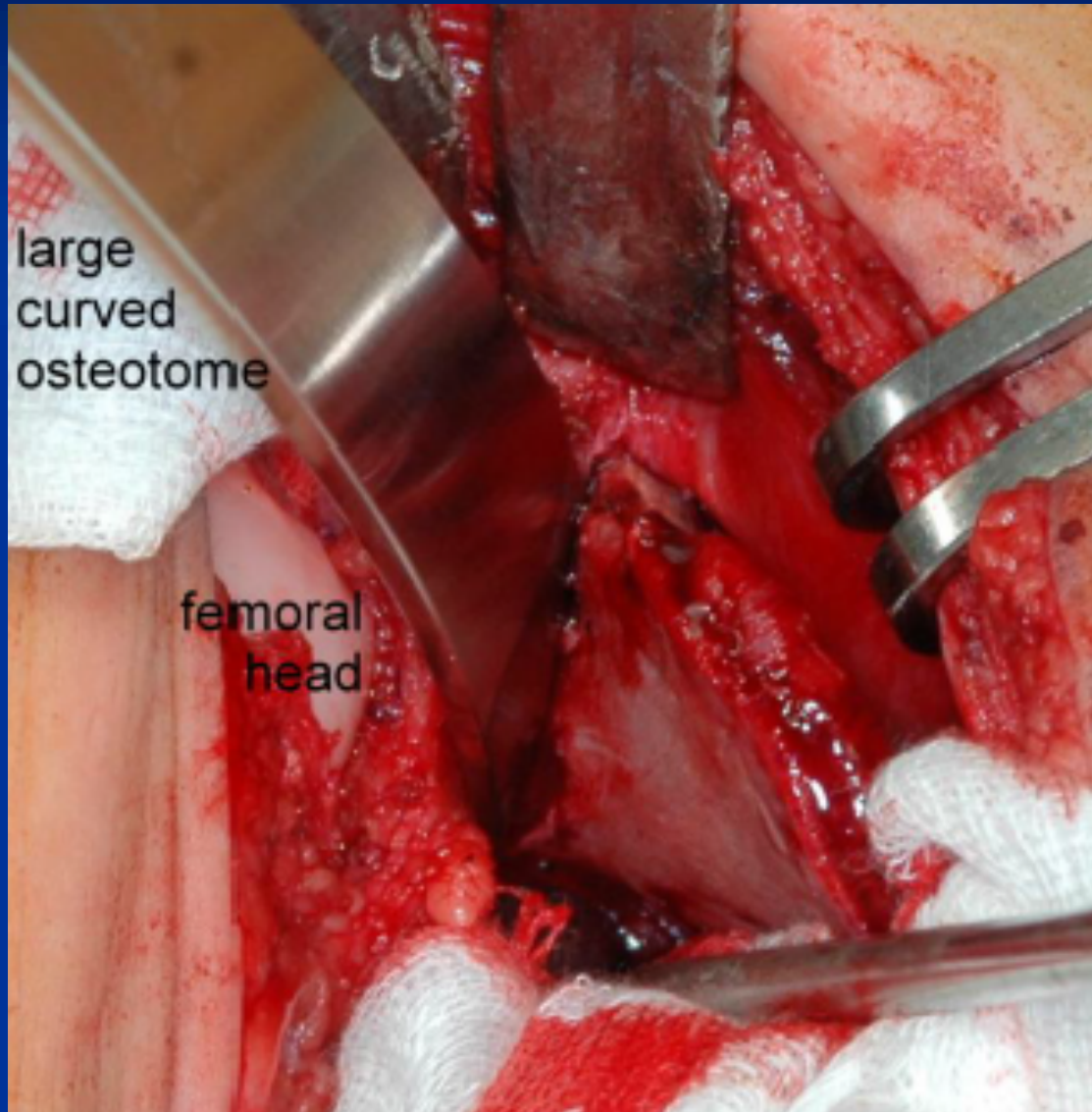
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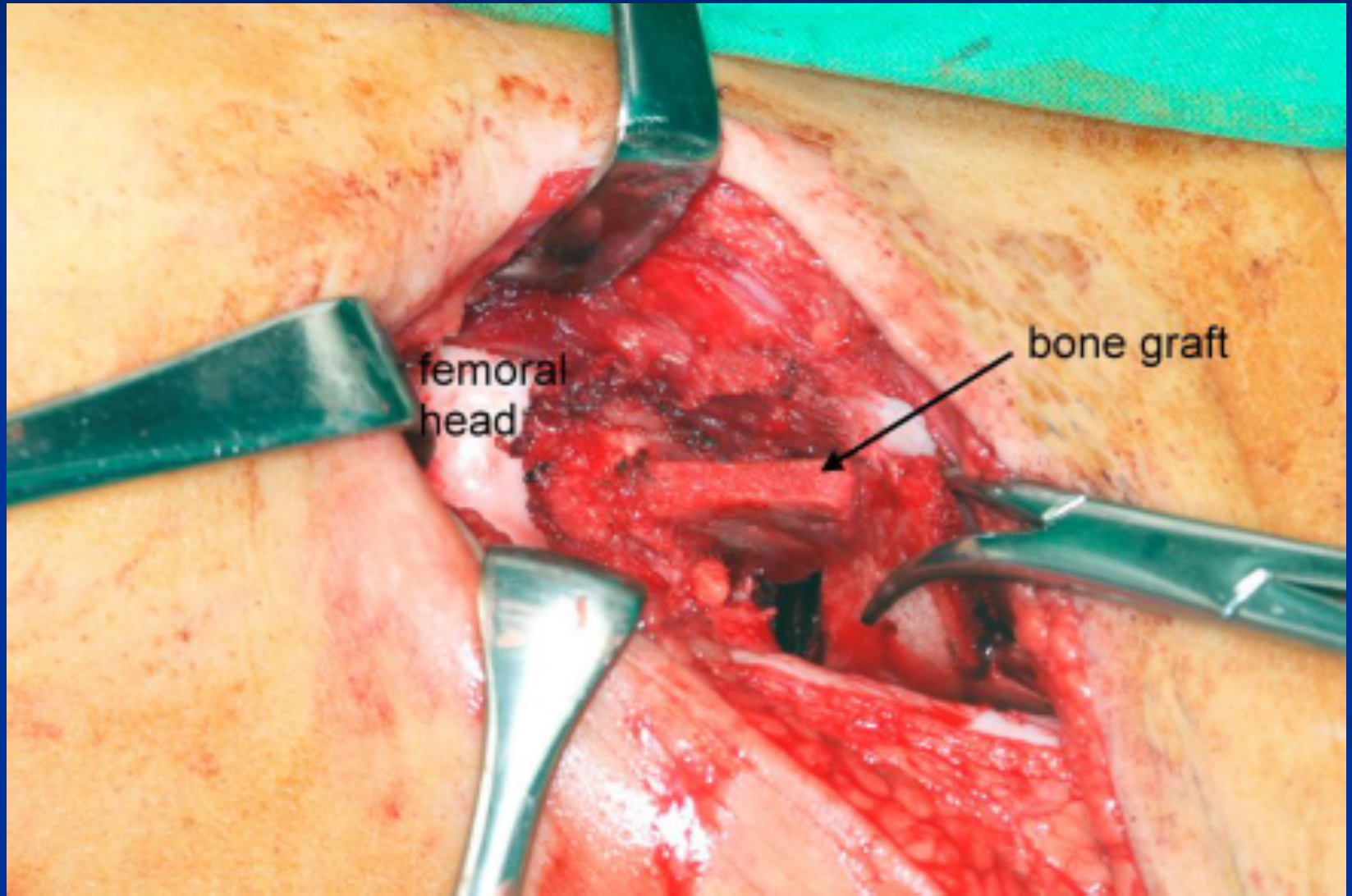
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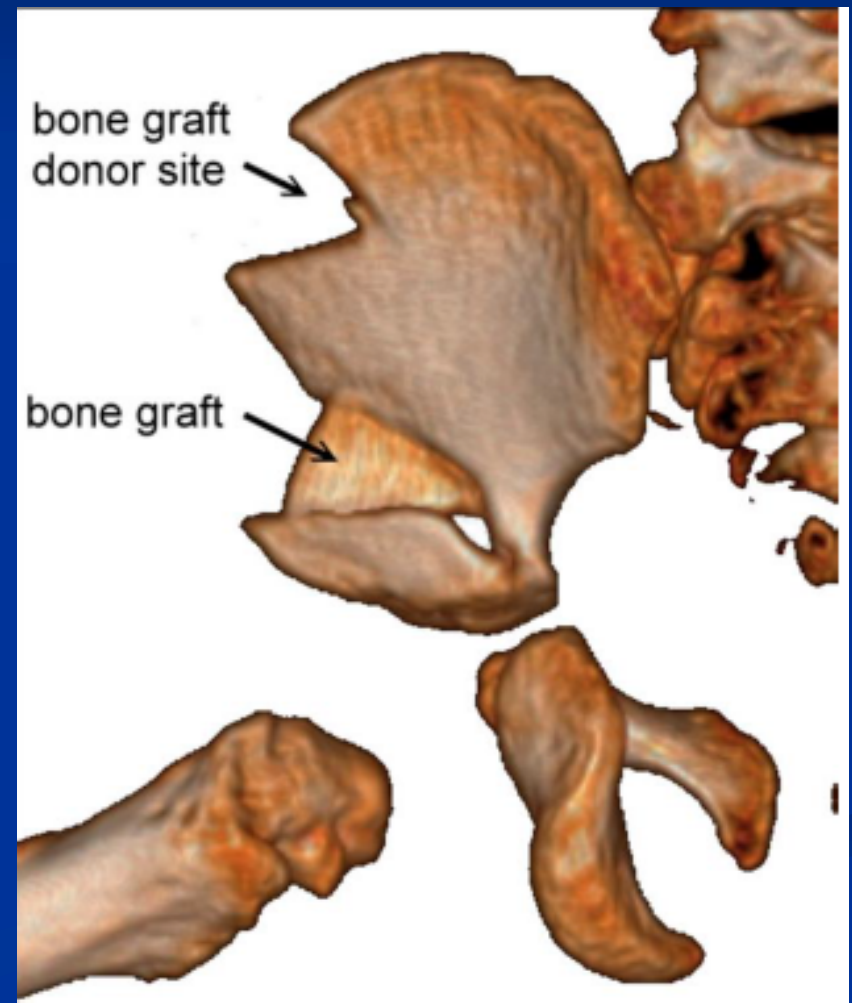
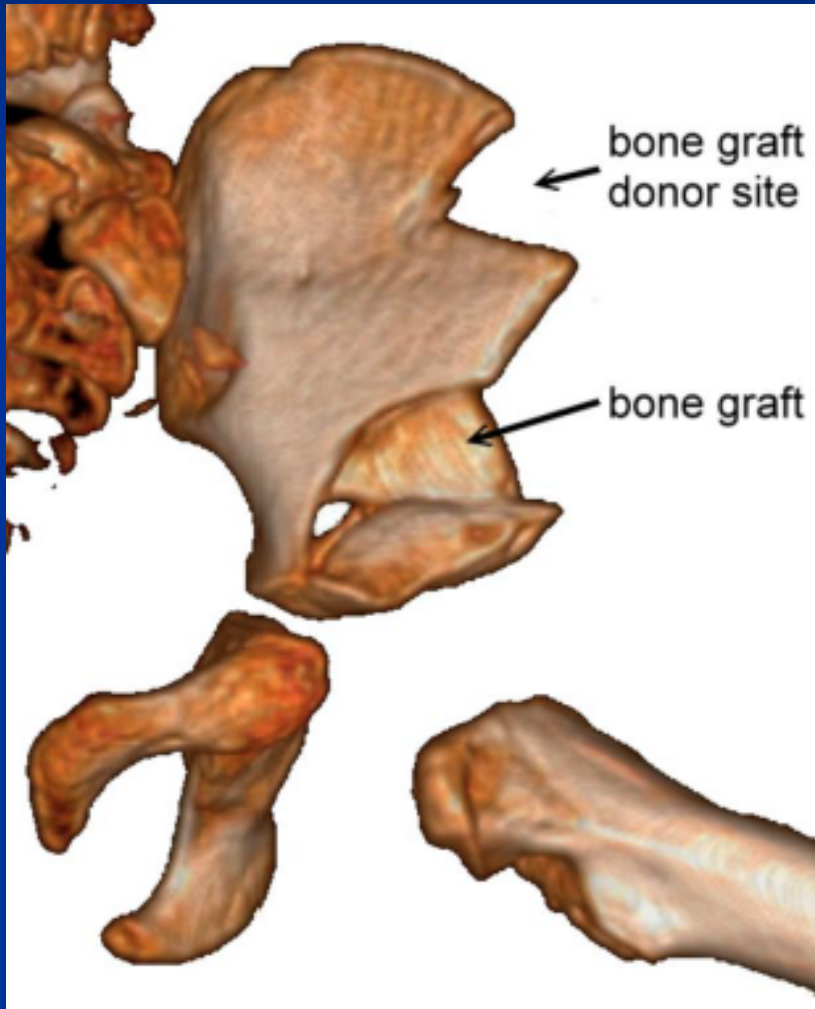
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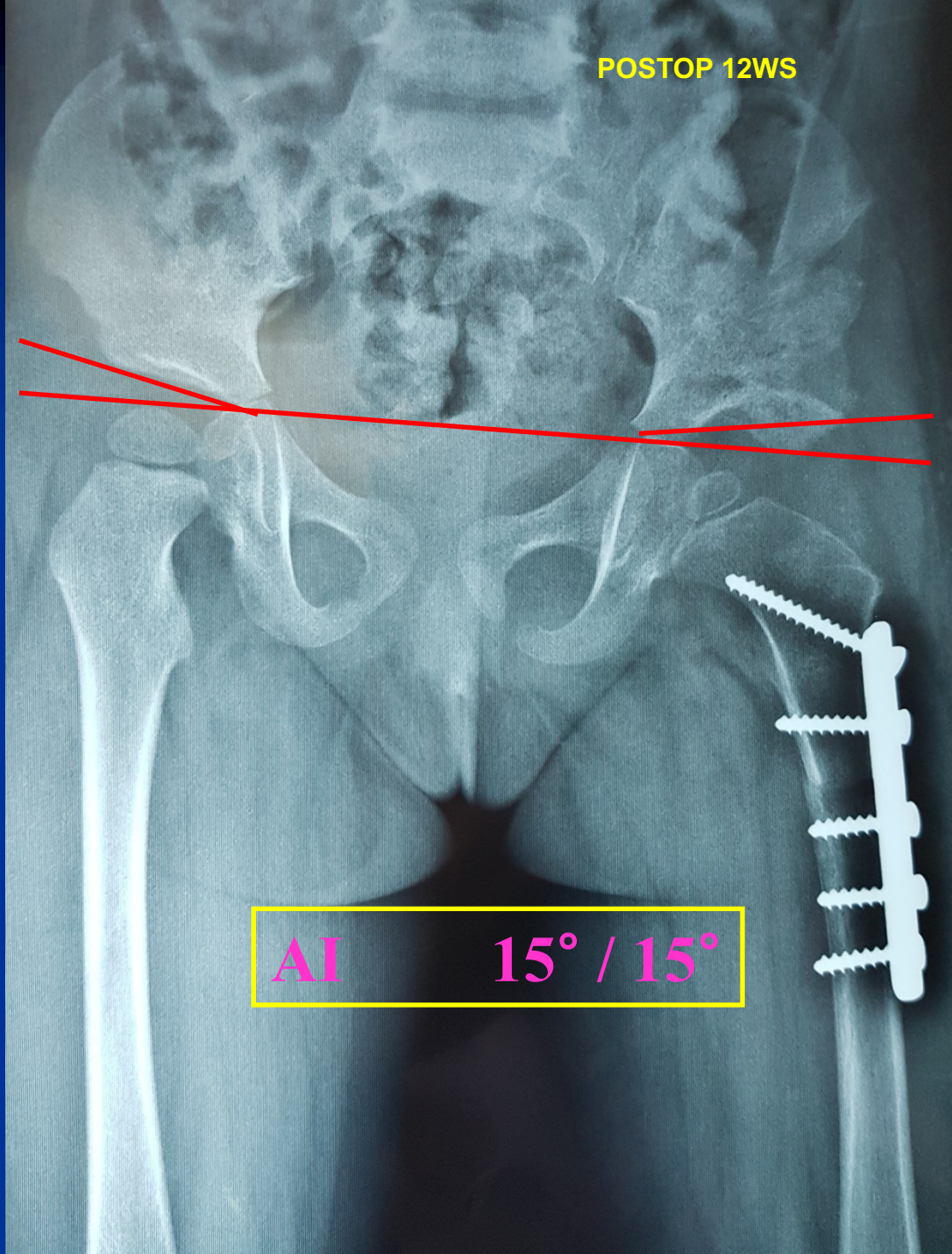
OSTEOTOMIES



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AI 15° / 40°

POSTOP 12WS



AI 15° / 15°

RESULTS

Pemberton's Pericapsular Osteotomy for the Treatment of Acetabular Dysplasia

Kálmán Szepesi, M.D., János Rigó, M.D., Béla Bíró, M.D., Katalin Fazekas, M.D.,
and László Póti, M.D.

Department of Orthopaedic Surgery, University Medical School of Debrecen, Debrecen, Hungary

The results among patients operated on before age 7 were more favorable than those of patients operated on at an older age.

RESULTS

Pemberton Osteotomy for Developmental Dysplasia of the Hip in Older Children

Akifusa Wada, MD, PhD, Toshio Fujii, MD, Kazuyuki Takamura, MD, PhD,
Haruhisa Yanagida, MD, Mayuki Taketa, MD, and Tomoyuki Nakamura, MD

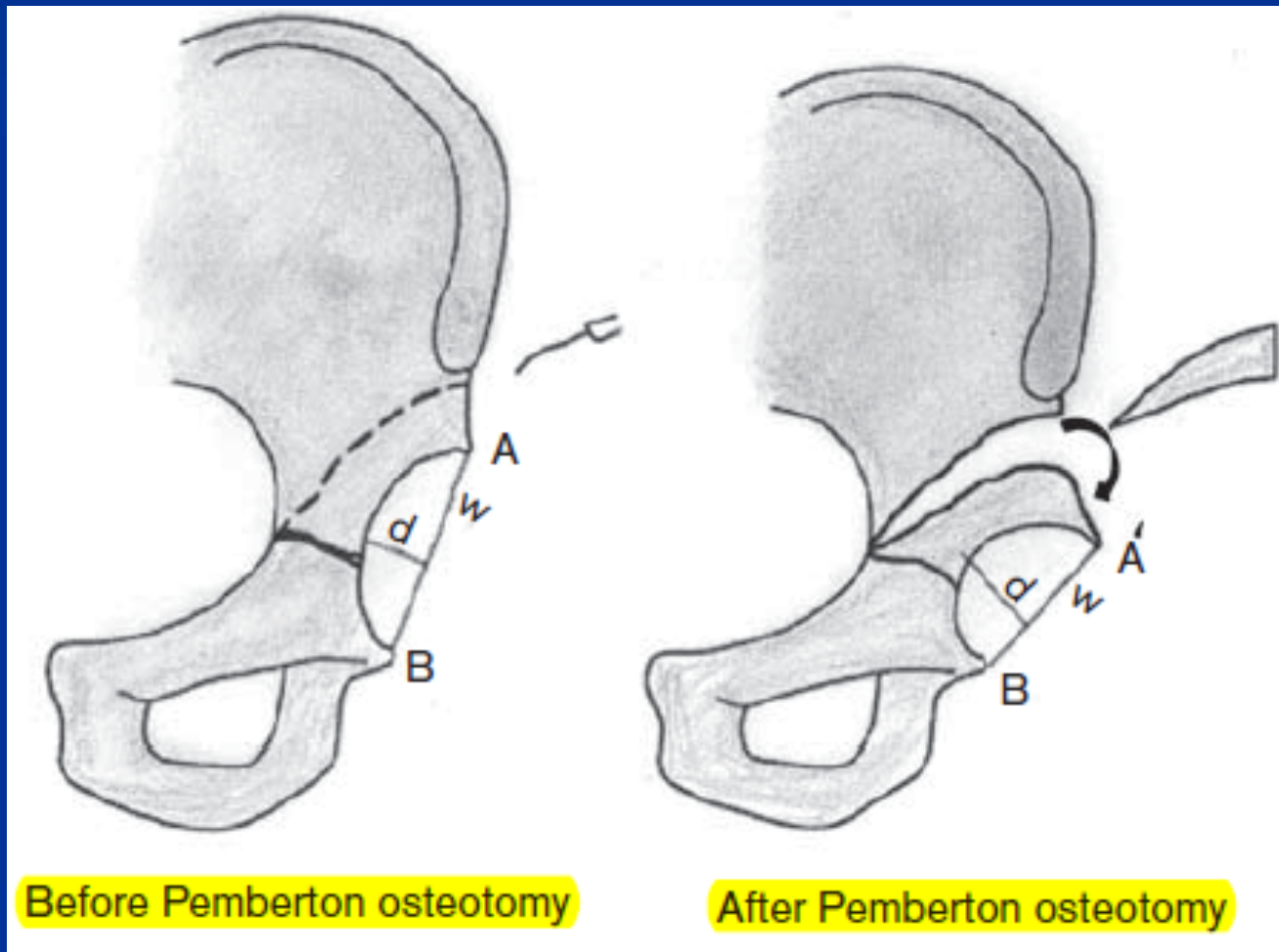
Study conducted at Fukuoka Children's Hospital, Fukuoka, Japan

Pemberton osteotomy can be a safe, effective procedure for older children in whom progressive acetabular development is not expected, although this osteotomy may have to be combined with other operative procedures.

RESULTS

A radiological comparison of Salter and Pemberton osteotomies to improve acetabular deformations in developmental dysplasia of the hip

Cemil Ertürk, Mehmet A. Altay and Uğur E. Işıkan



RESULTS

How the pemberton innominate osteotomy really works: an animal study.

Cummings RJ¹.

No alteration of acetabular volume was observed following successful Pemberton innominate osteotomies. The Pemberton osteotomy improves femoral head coverage through redirection of the acetabulum rather than alteration of acetabular shape.

TAKE HOME MESSAGES

PEMBERTON OSTEOTOMY

- Easy, fast, with a low morbidity.
- Combined with femoral osteotomy and soft tissue release.

**TECHNIQUES CHANGE, BUT
PRINCIPLES ARE FOREVER !**

THANKS FOR YOUR ATTENTION !