

# **SURFACE ARTHROPLASTY of the KNEE:**

## **Mid-term Results and**

## **Combination with different surgery**

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# Cartilage Repair

## A'la Carte

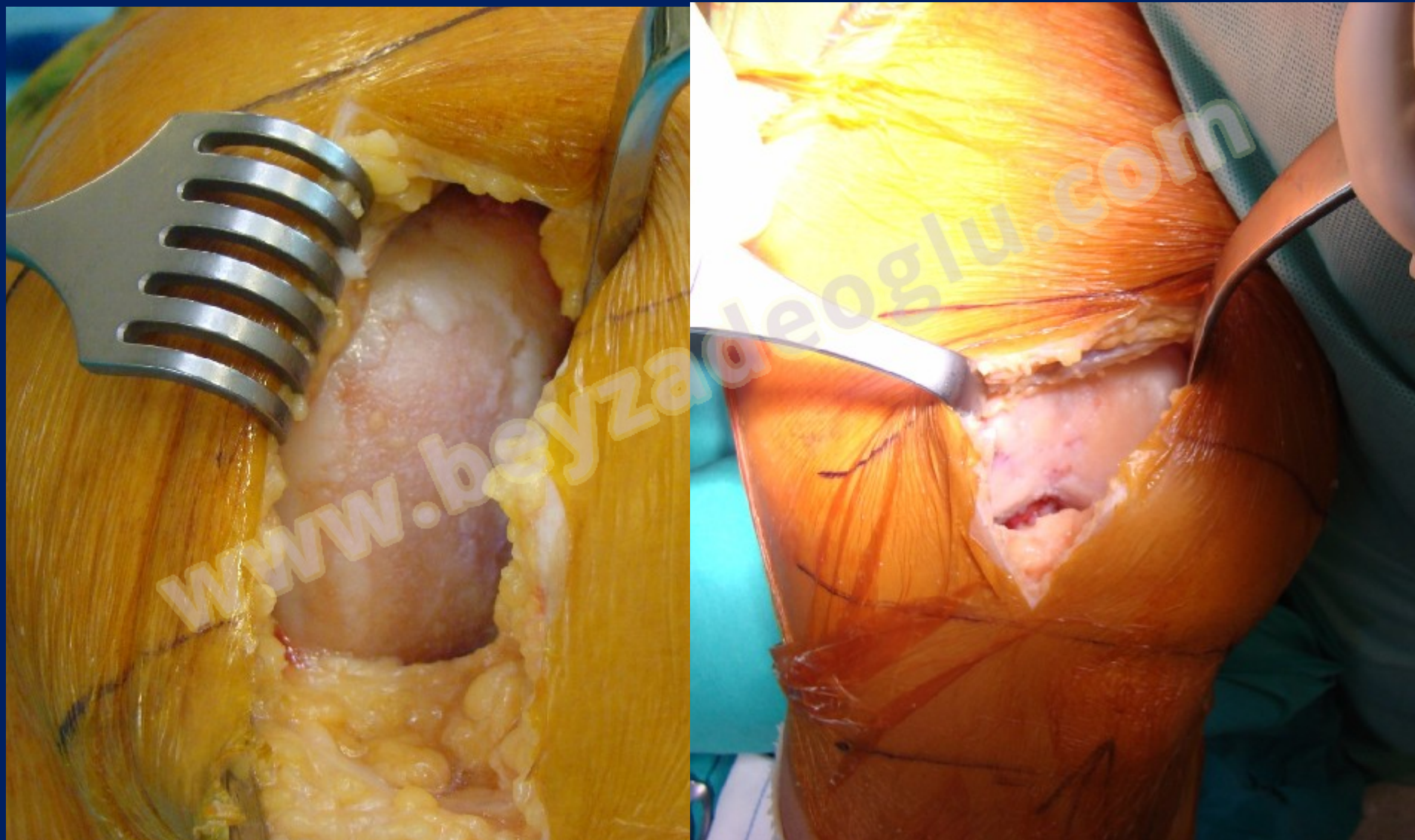
- Age
- Gender
- Chronic Degenerative—Acute
- Localization
- Diameter
- Activity Level
- Stability
- Obesity
- Previous Surgeries
- Malalignment, etc.

# Chondral Lesions at Middle Age





# Chondral Lesions at Middle Age





# Cartilage Repair

- Main target is biological repair/reconstruction  
(Not always possible!!!)
  - Microfracture
  - Mosaicplasty
  - MACI
  - Scaffolds
  - Stem Cell etc.

# Cartilage Repair

- Limited Joint Resurfacing for borderline cases
  - New,
  - Small Series yet,
  - No Randomized Prospective studies,
  - But promising in selected cases!

# LIMITED RESURFACING ARTHROPLASTY (LRA)

- 13 Knees of 12 Patients
- 8M-4F, mean age 49.5 (35-69 ages)
- Only Trochlea: 6
- Only MFC: 4
- Trochlea + MFC: 3
- Additional Surgery:
  - Arthroscopic Partial Meniscectomy: 3
  - HTO: 3
  - Revision ACL: 1



# LIMITED RESURFACING ARTHROPLASTY (LRA)

- Mean follow-up time was 20.5 months (14-38)
- Preoperative and postoperative (At the final follow-up) mean Knee Society scores were 57 (44-81) and 95 (80-100), respectively (p:0.0015)
- All the patients said that they would choose the same treatment option for the same situation

**CASE 1**

**KNEE**

**N.I.**

**59 / F**

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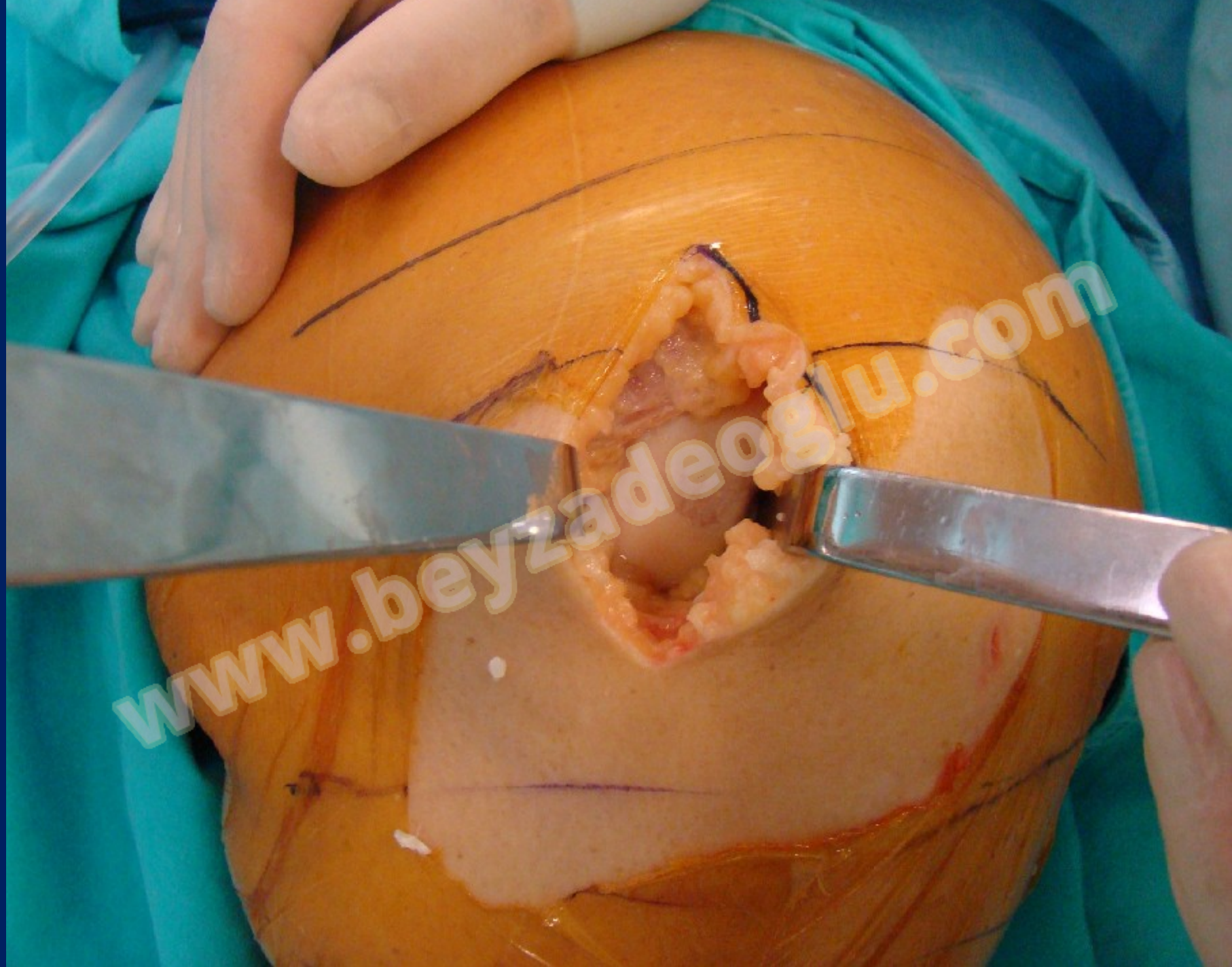
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175.0° (5.0°)

169.0° (11.0°)

171.9° (8.1°)

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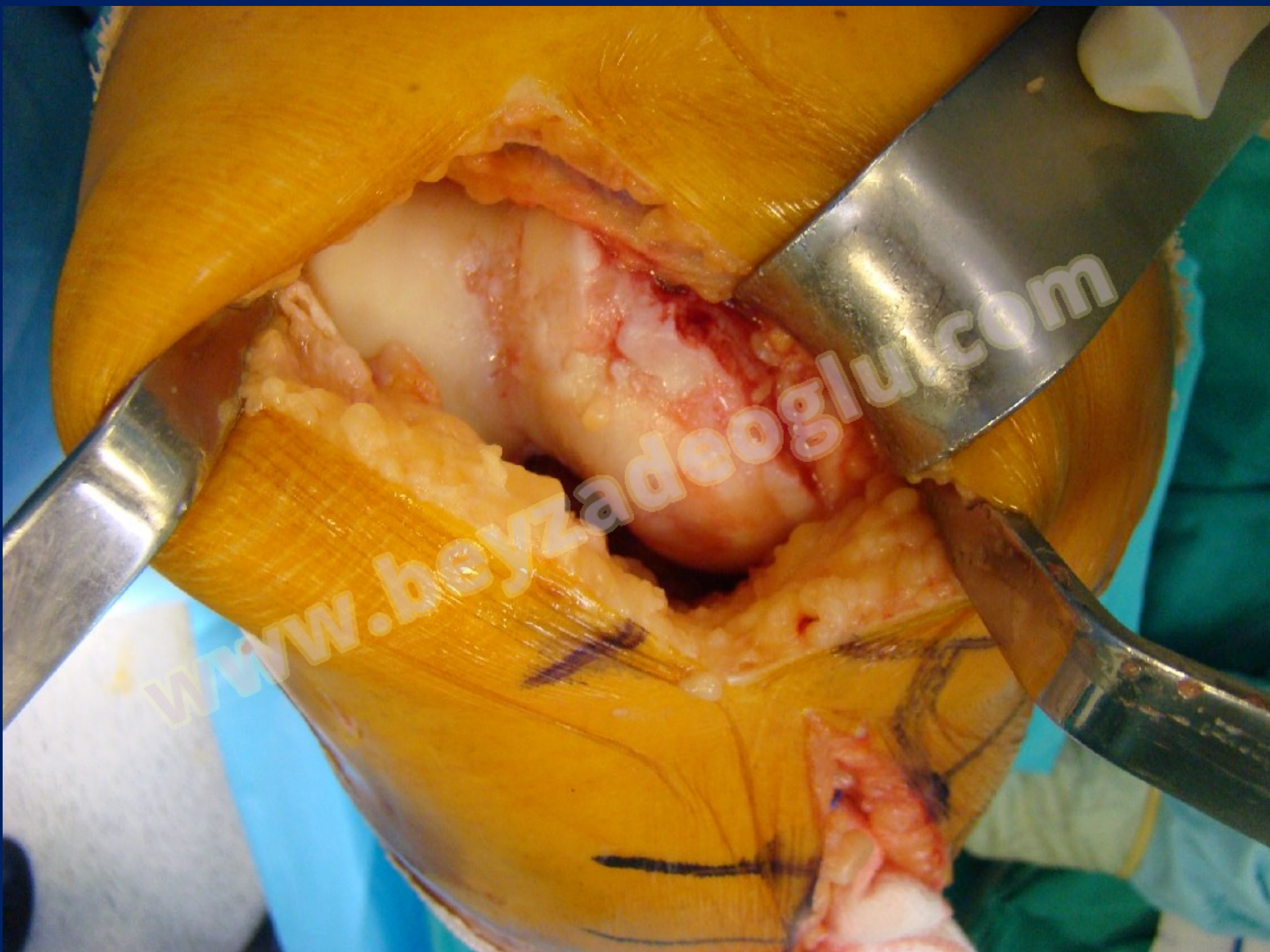




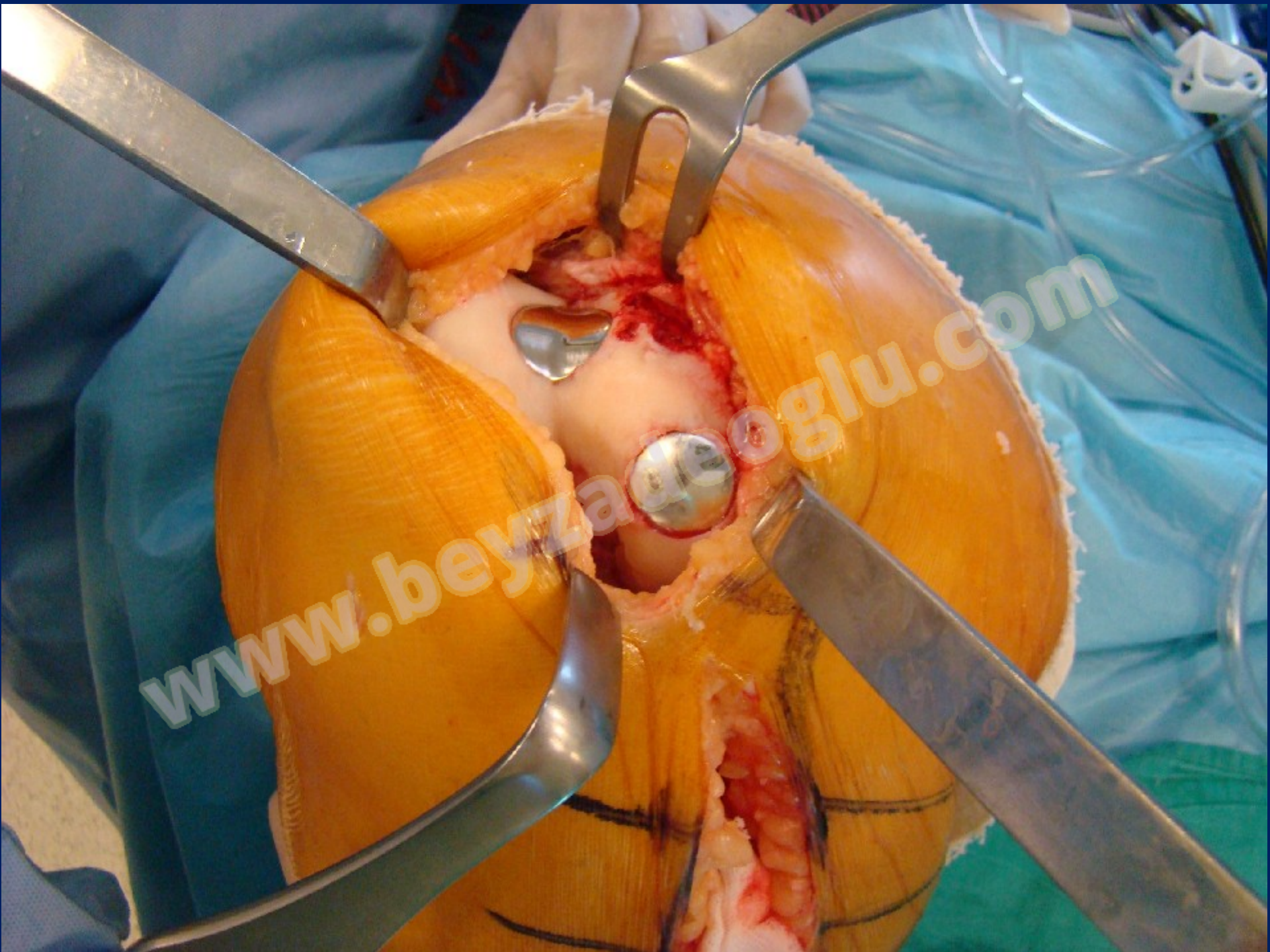


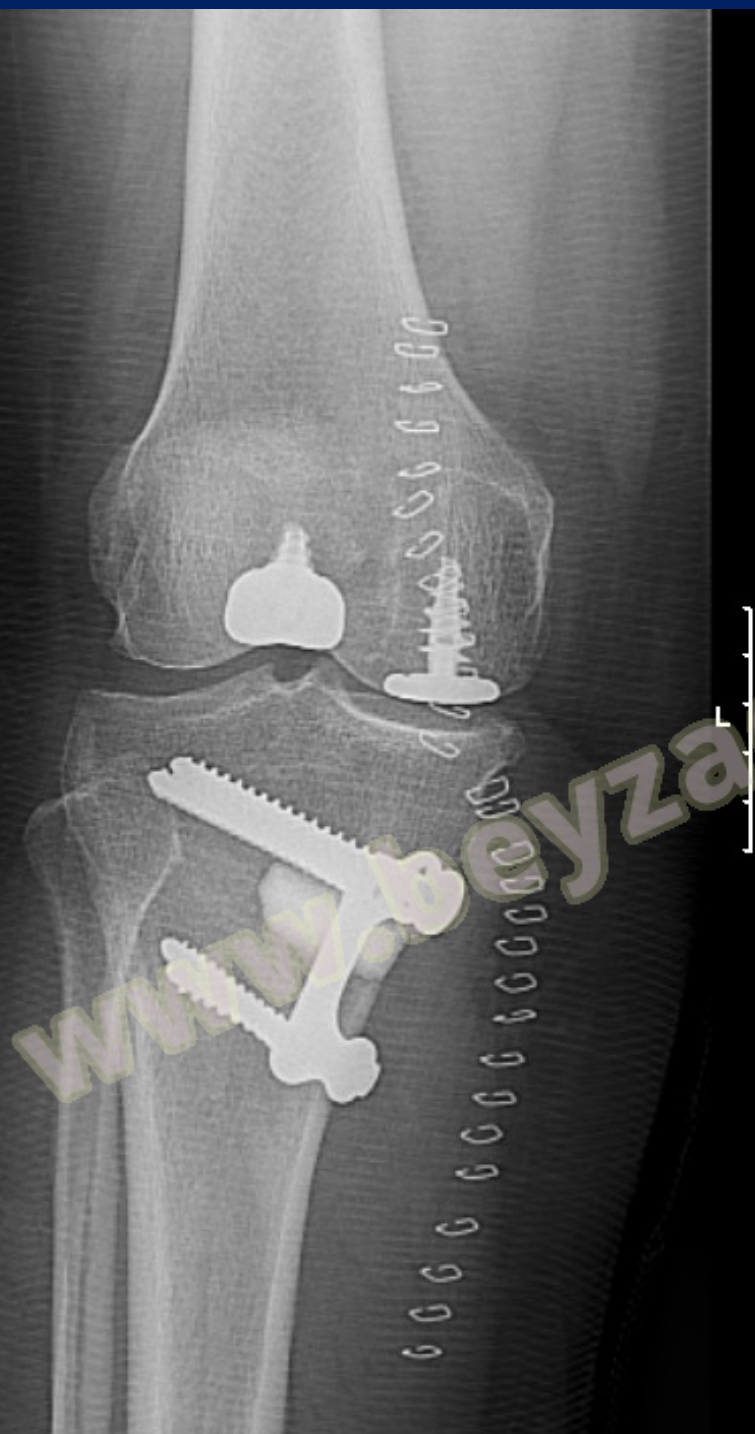












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**CASE 2**

**KNEE**

**H.B.Y.**

**46 / M**

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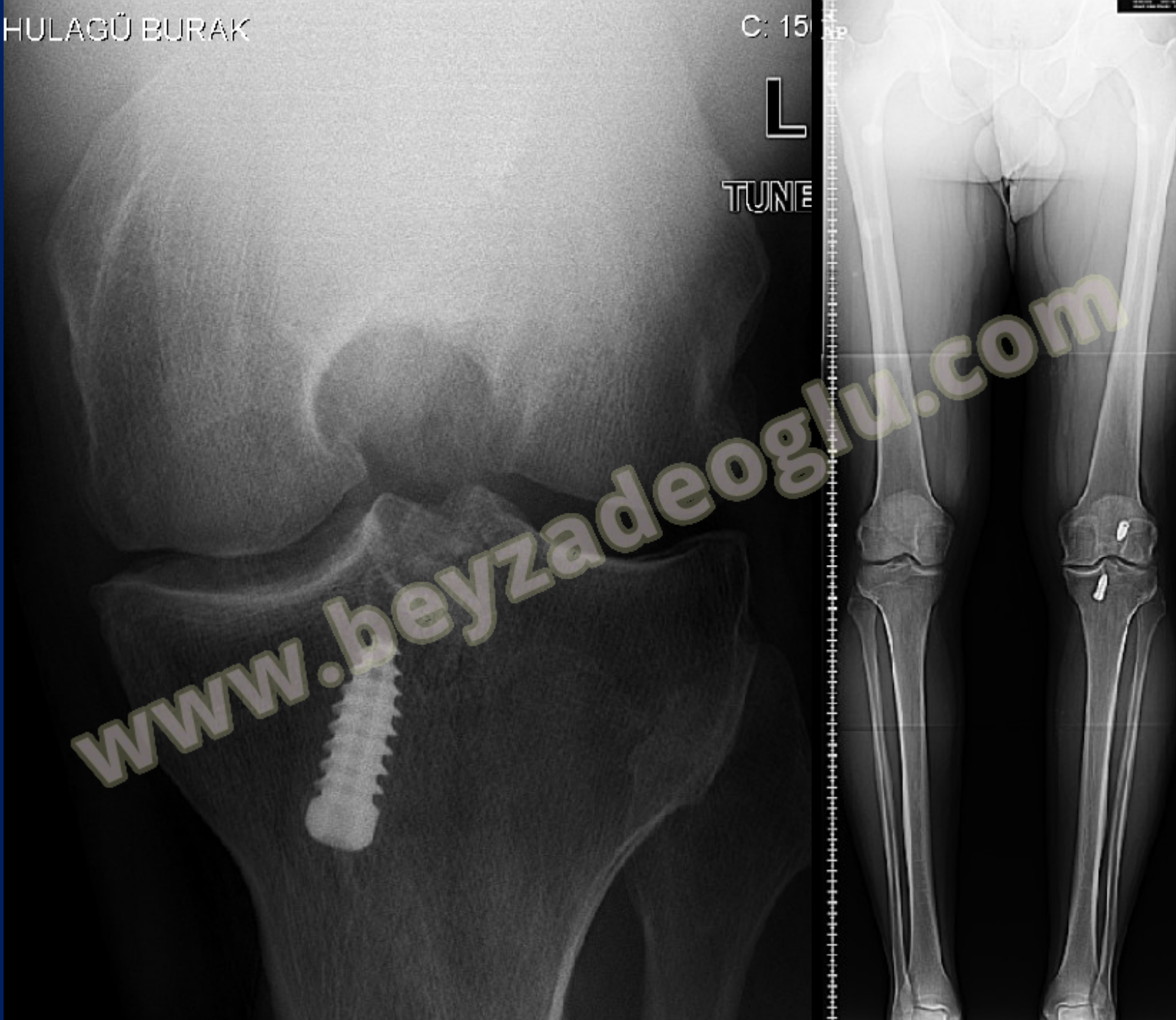
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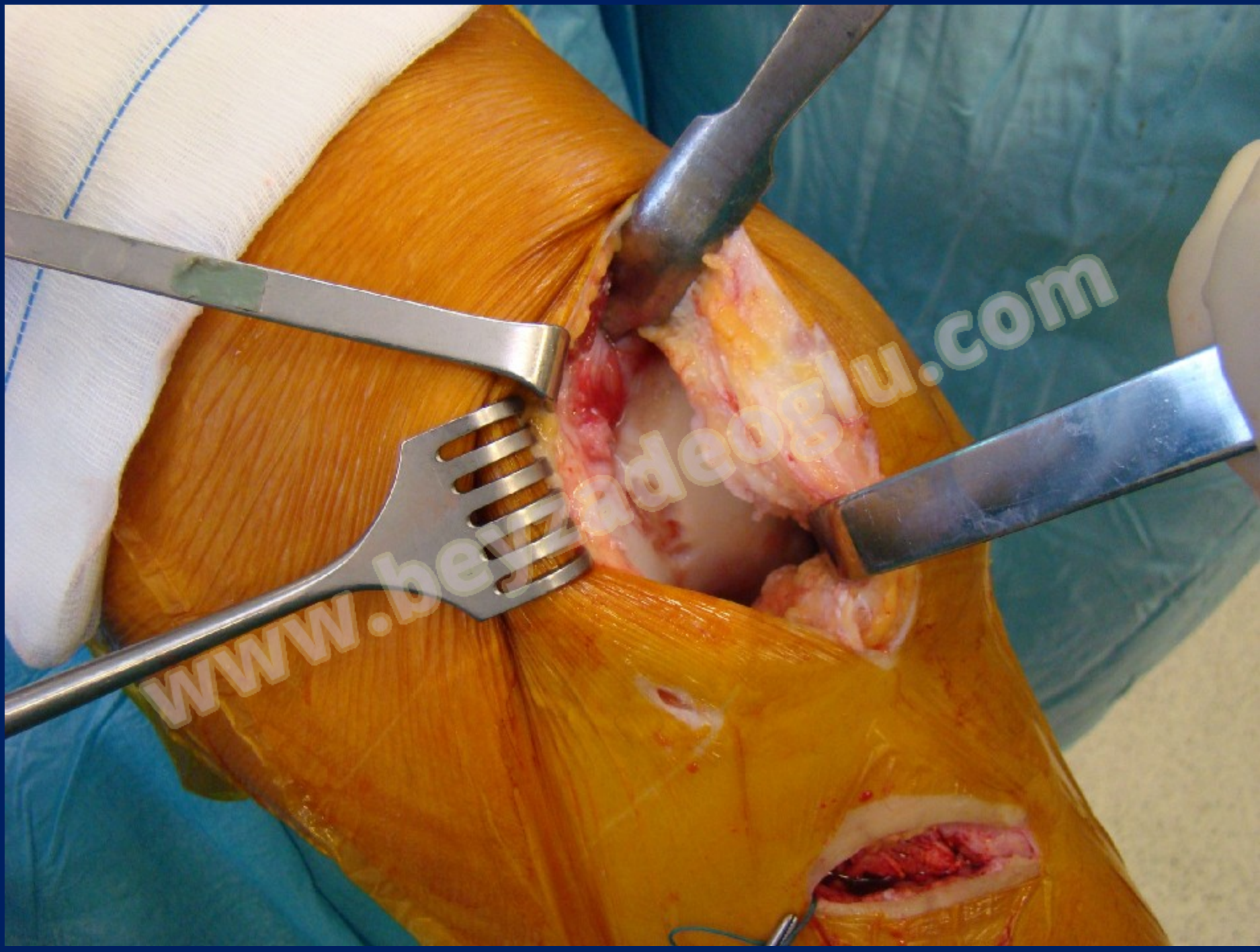
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TUNE

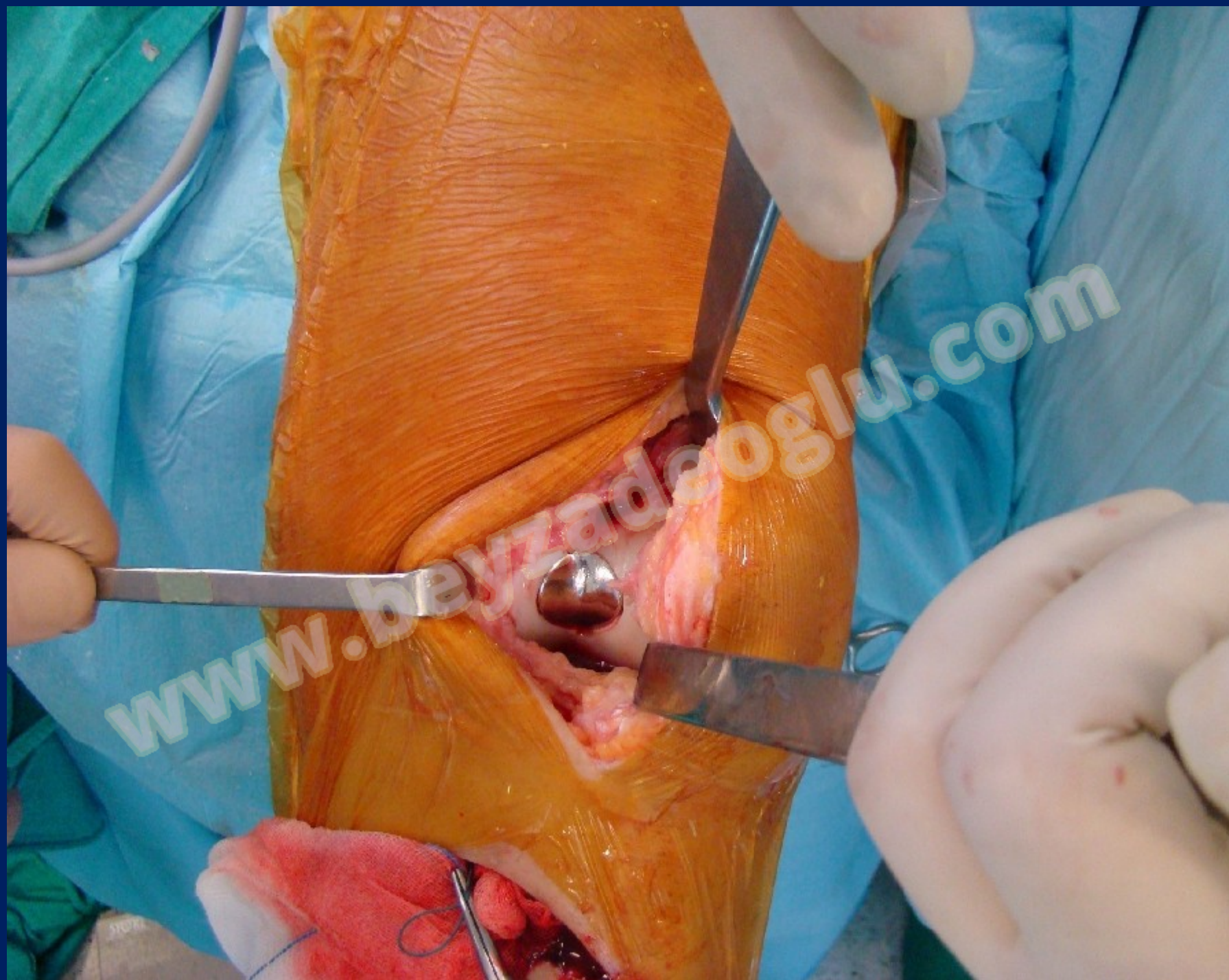
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**CASE 3**

**KNEE**

**Y.K.**

**47 / M**

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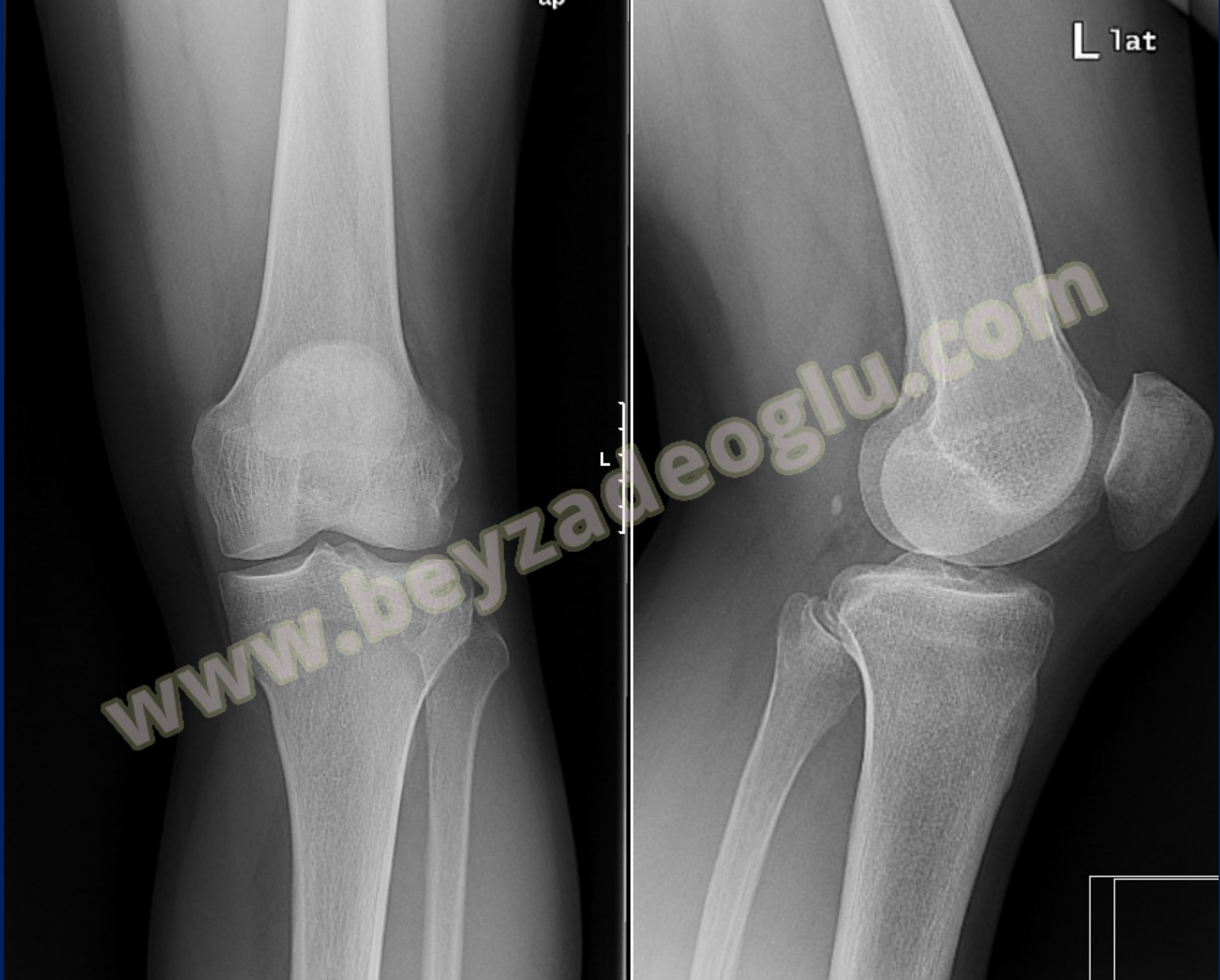


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merchant



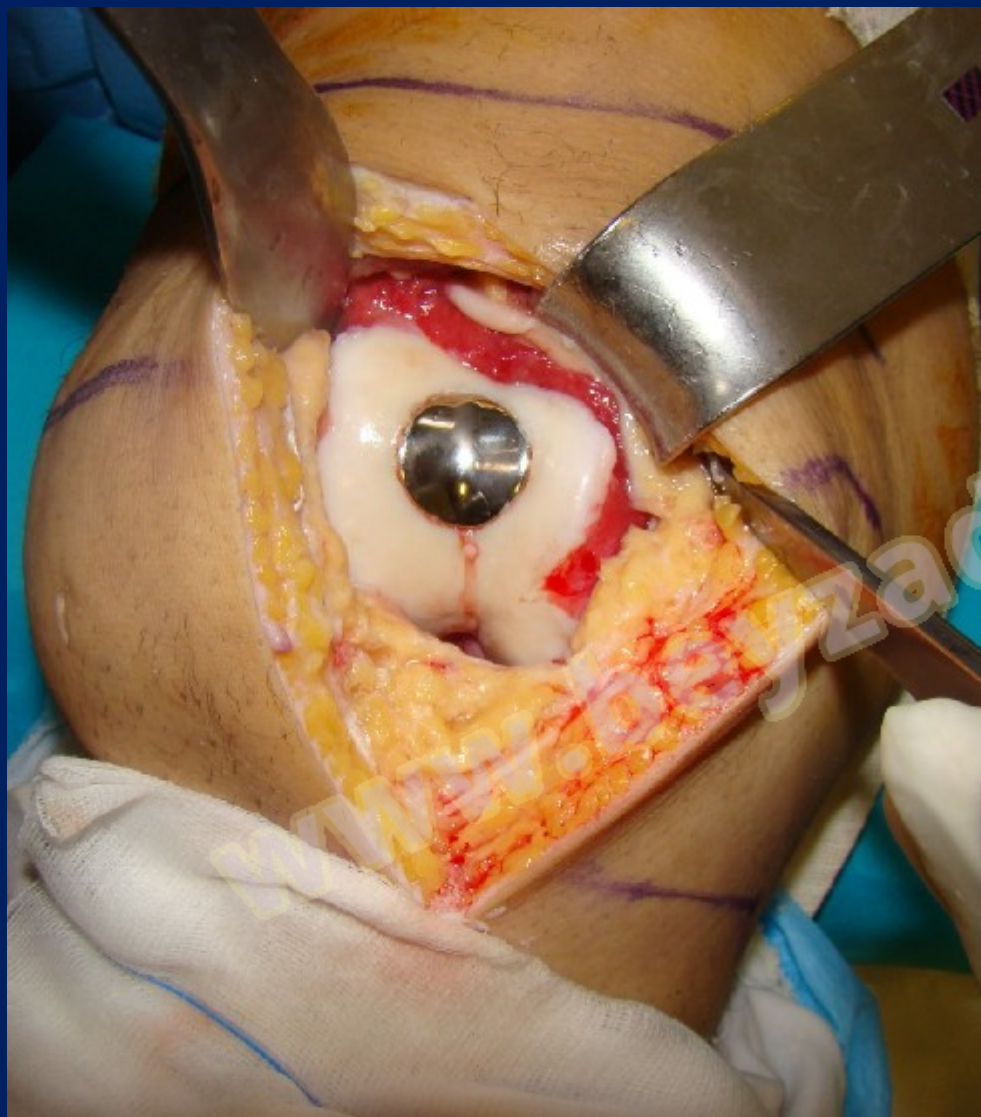
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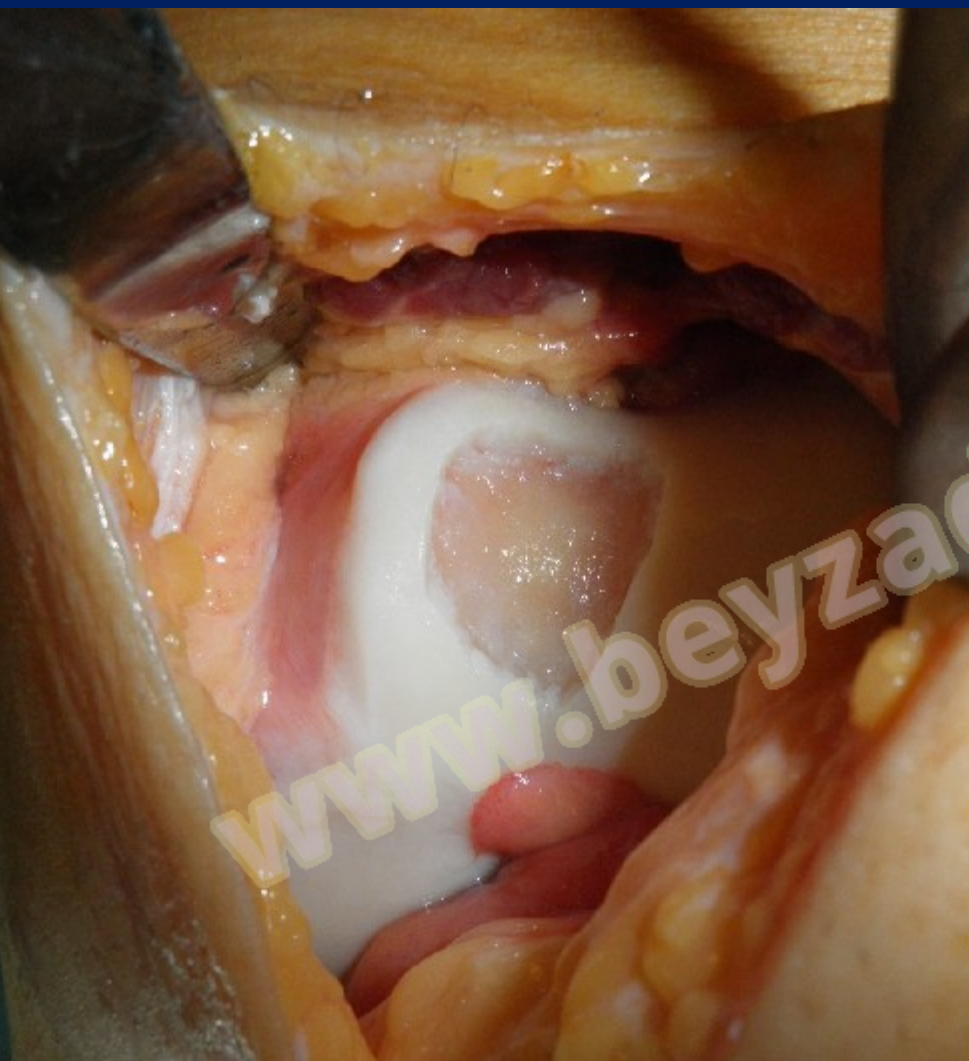
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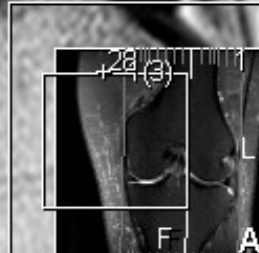
KAYIM,YALÇIN  
214848  
Diz: SE  
Kesit: 3 mm  
Poz: 39,6  
TR: 3471.13  
TE: 100  
AC: 2

C: 306.5, W: 582.8

mm

FFS  
FoV: 180 mm  
Görüntü no: 13  
Görüntü 13, 28  
2011-01-12, 09:01

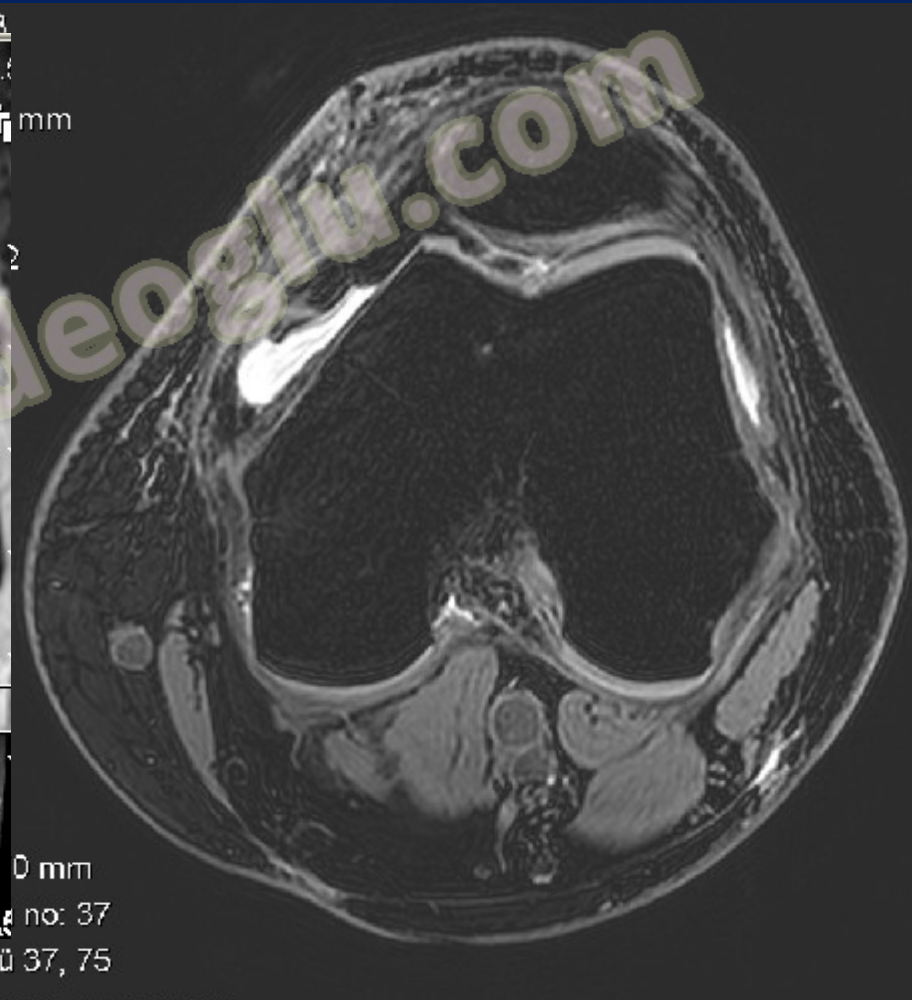
F



0 mm

As no: 37

ü 37, 75



**CASE 4**

**KNEE**

**D.C.O**

**54 / E**

ERECT

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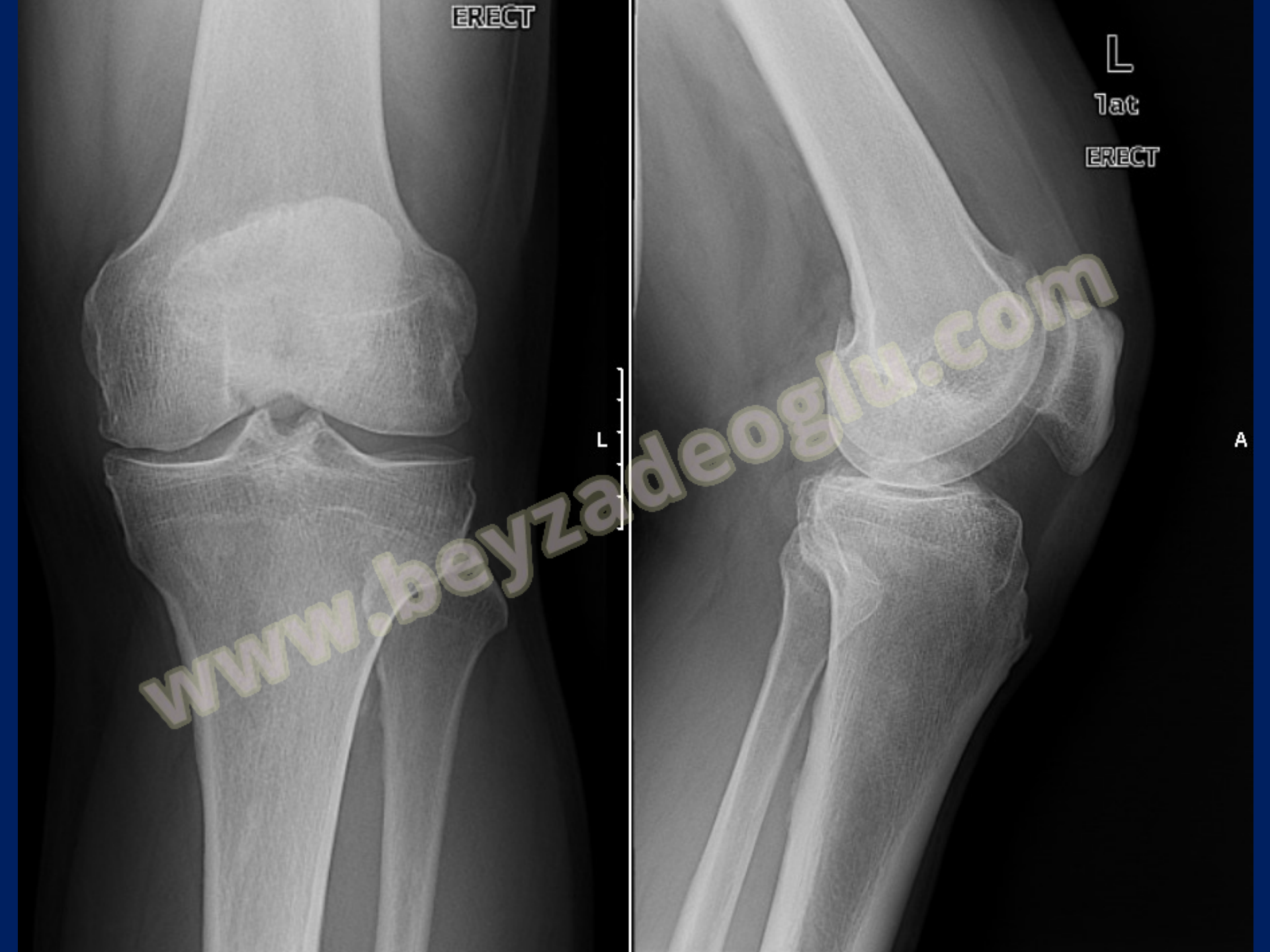
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ERECT

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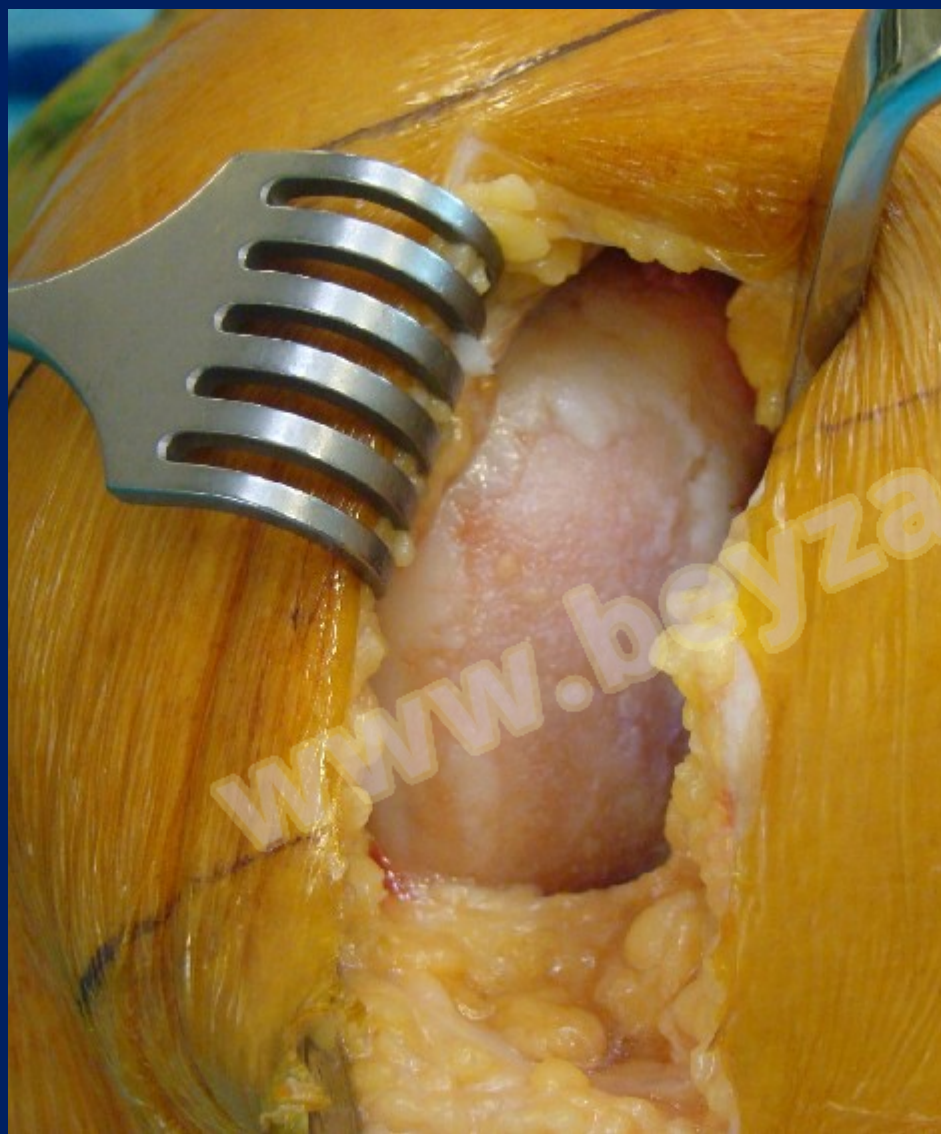
A

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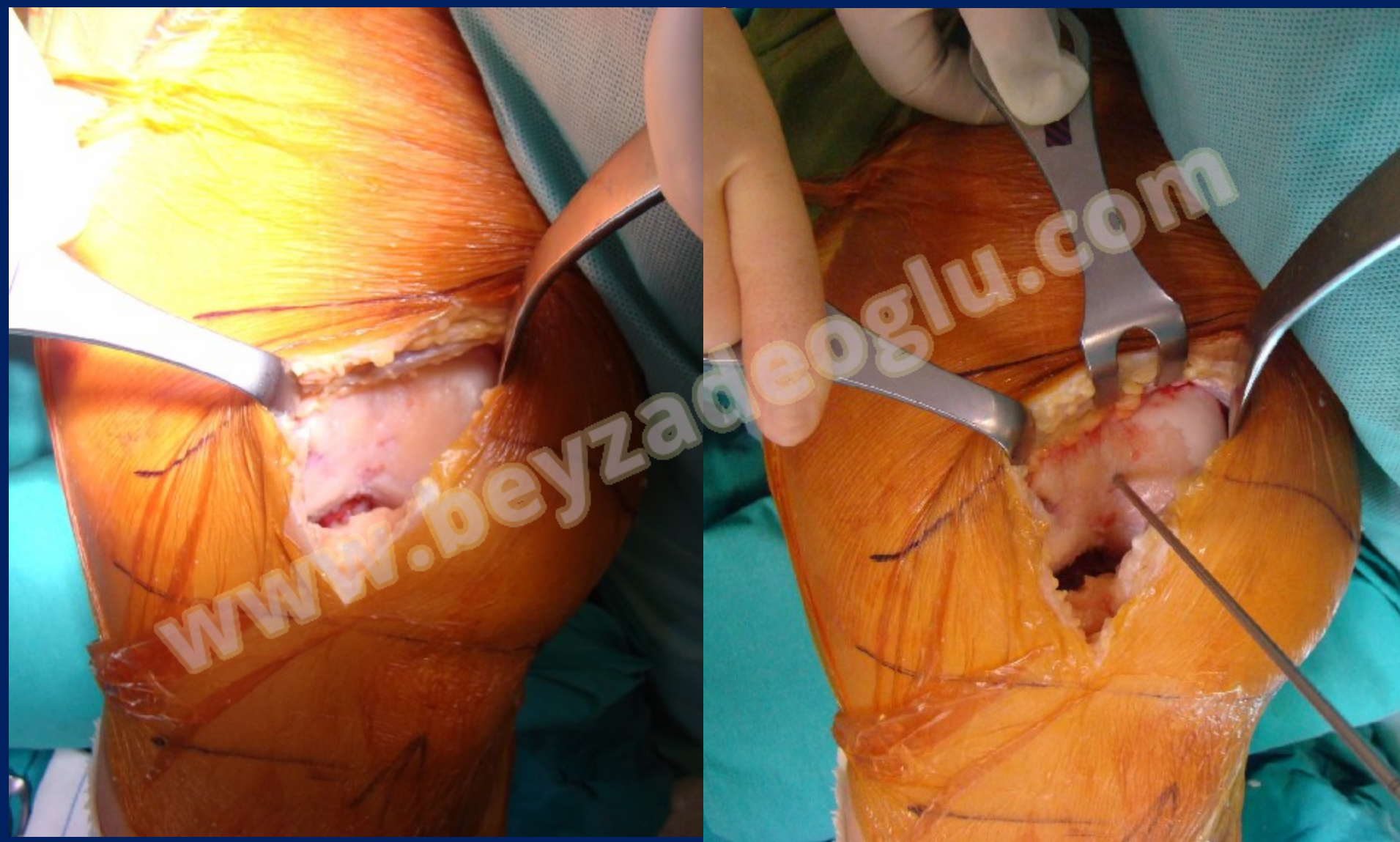




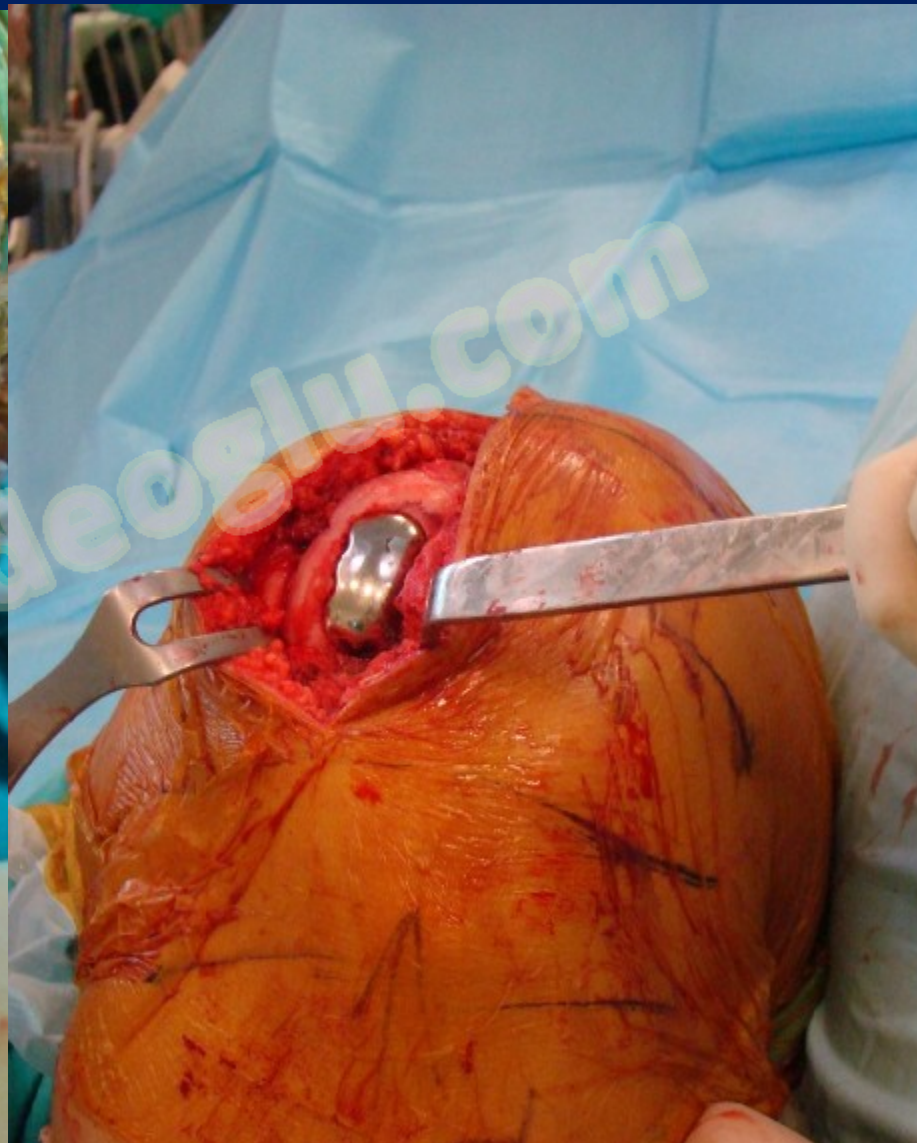
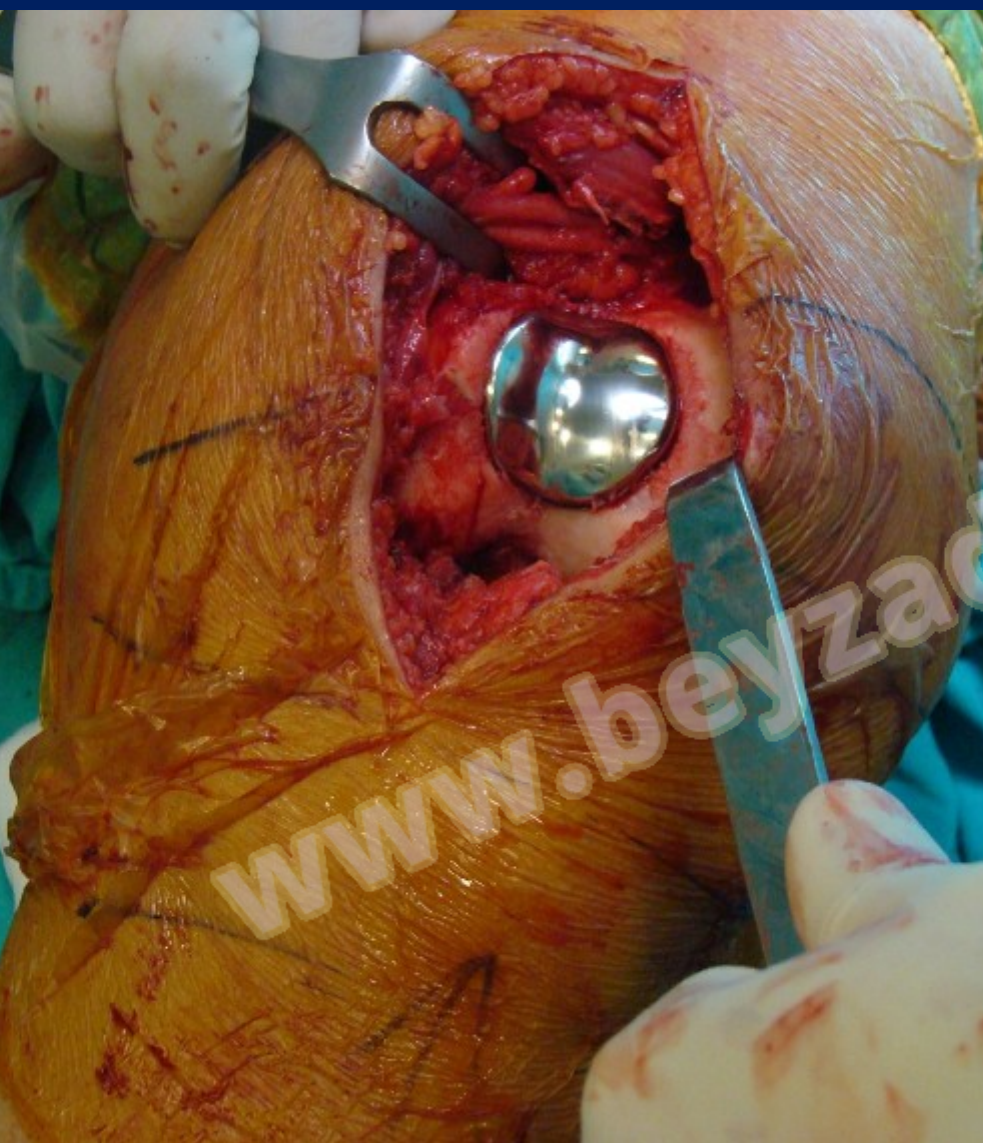




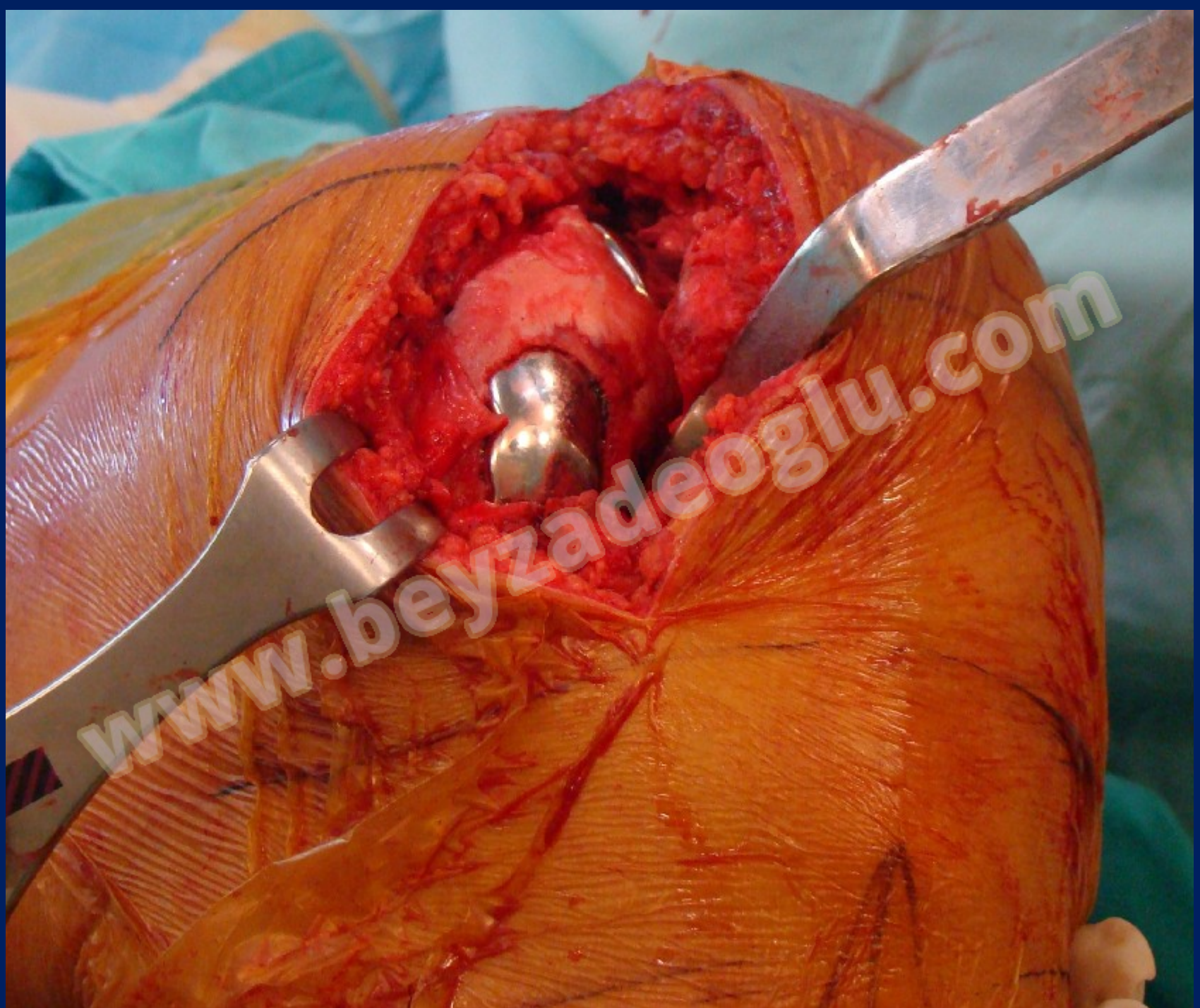












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# OTHER JOINTS

S.S.

43 / M

**BILATERAL AVN of HIPS**

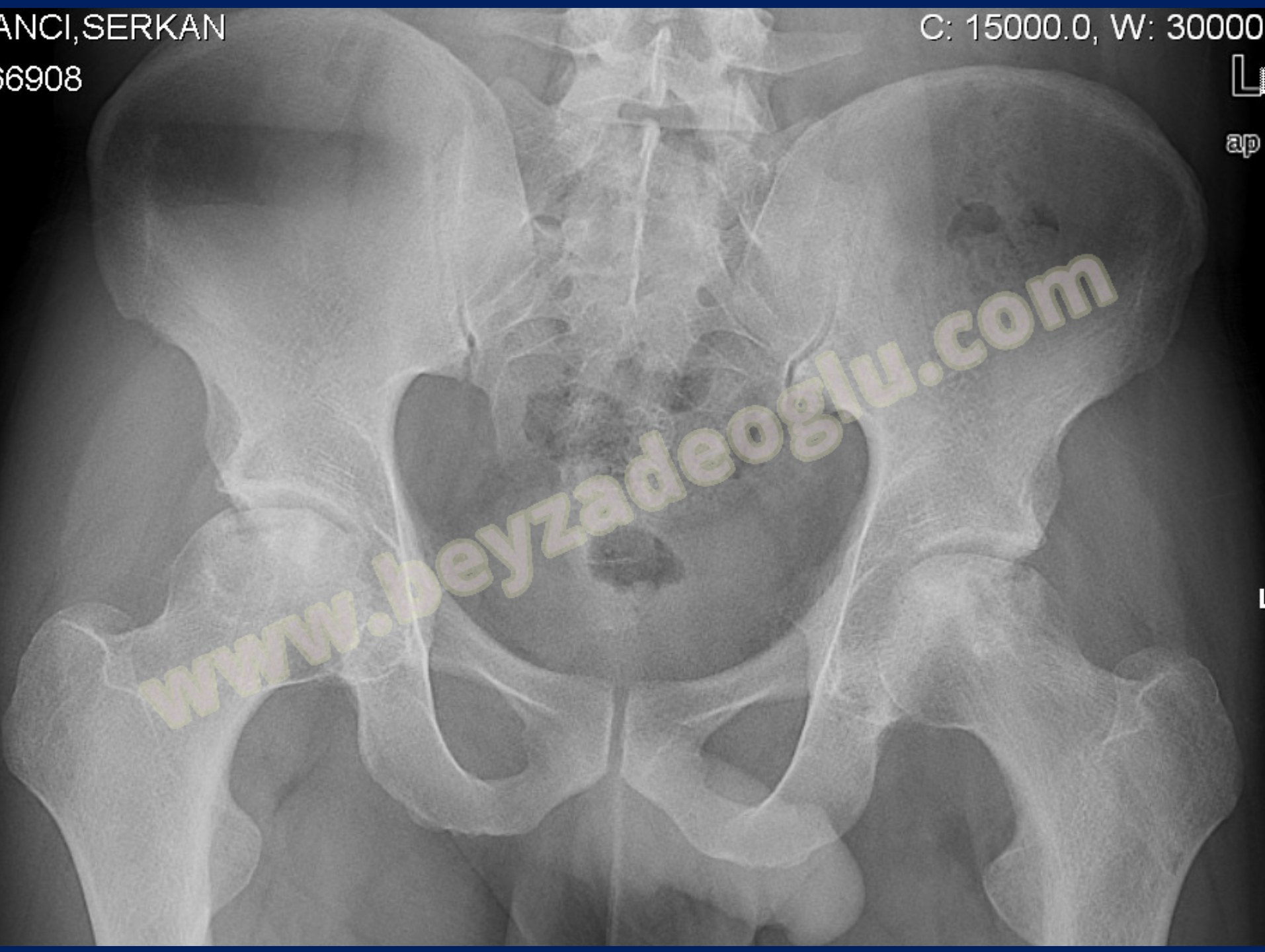
ANCI, SERKAN

66908

C: 15000.0, W: 30000

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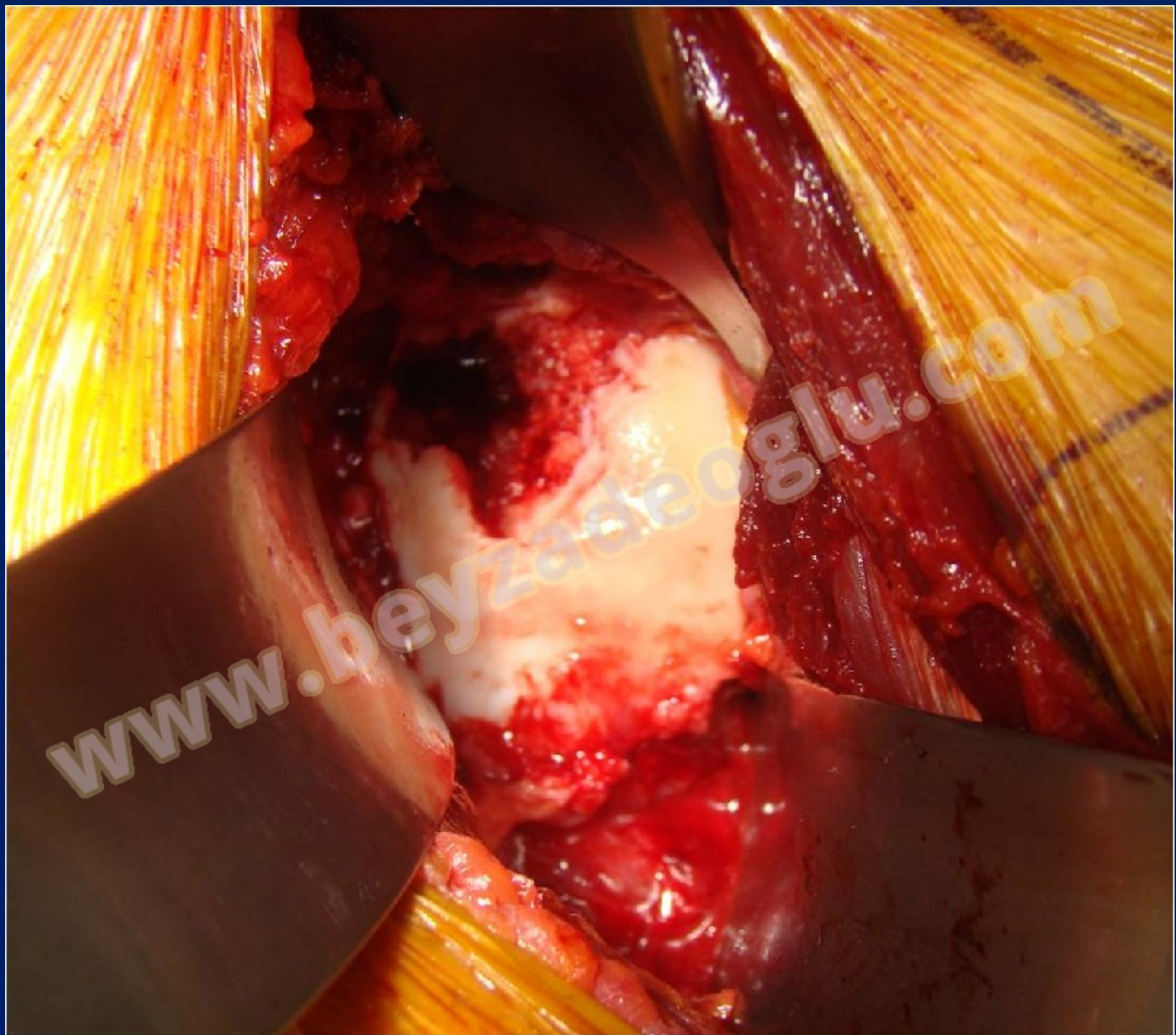


- **Direct Anterior Approach without Dislocation**
- **No traction table**

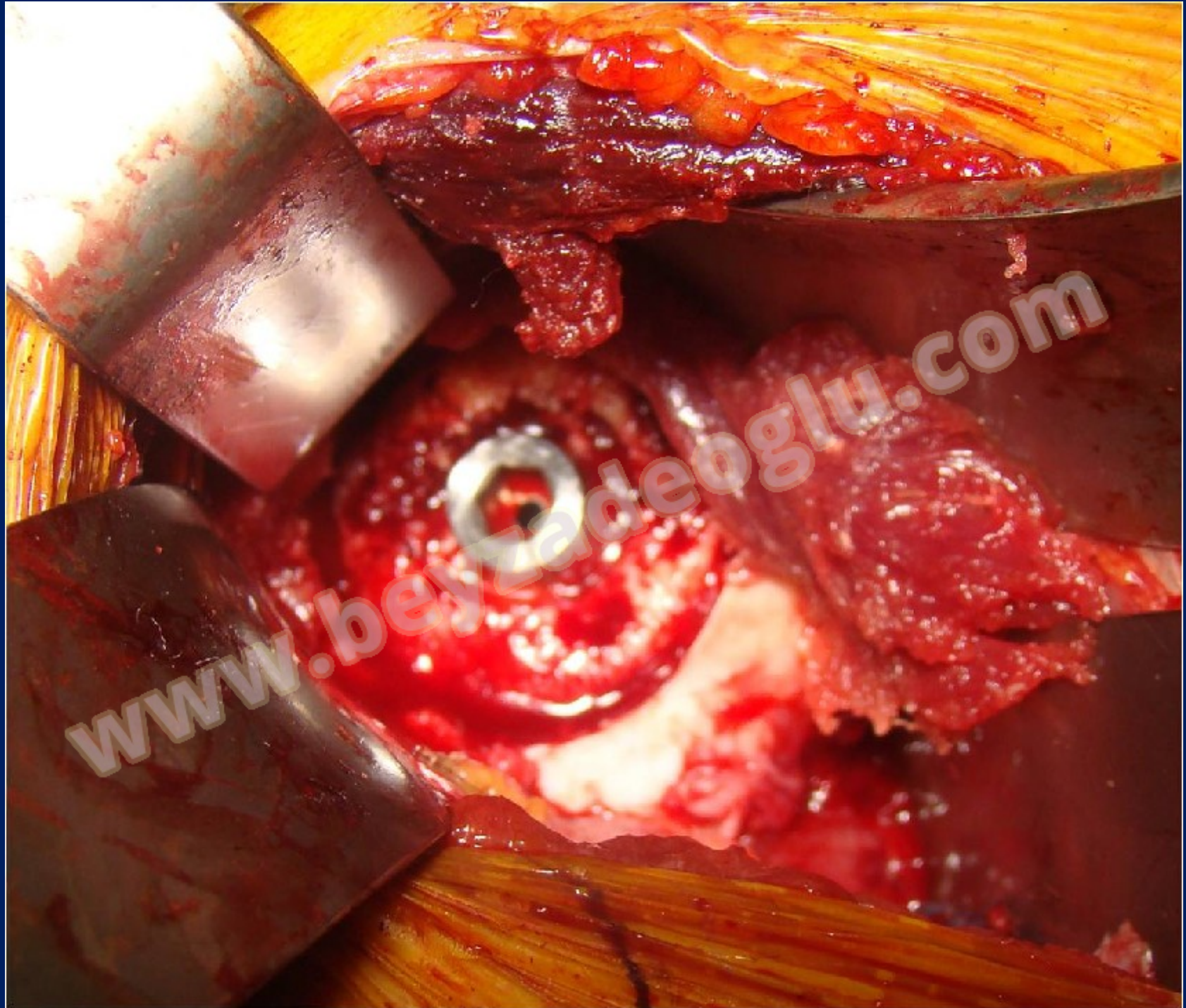




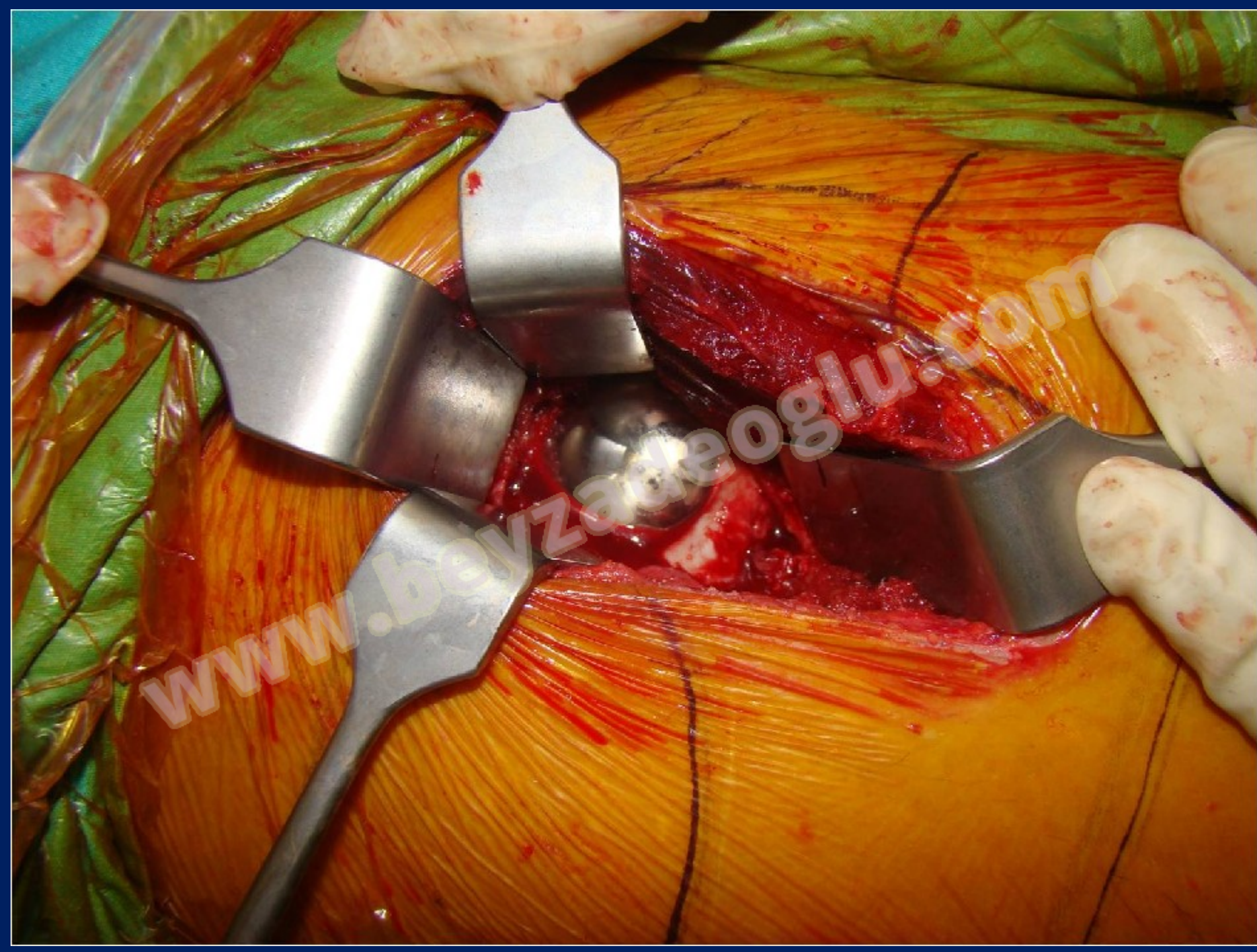










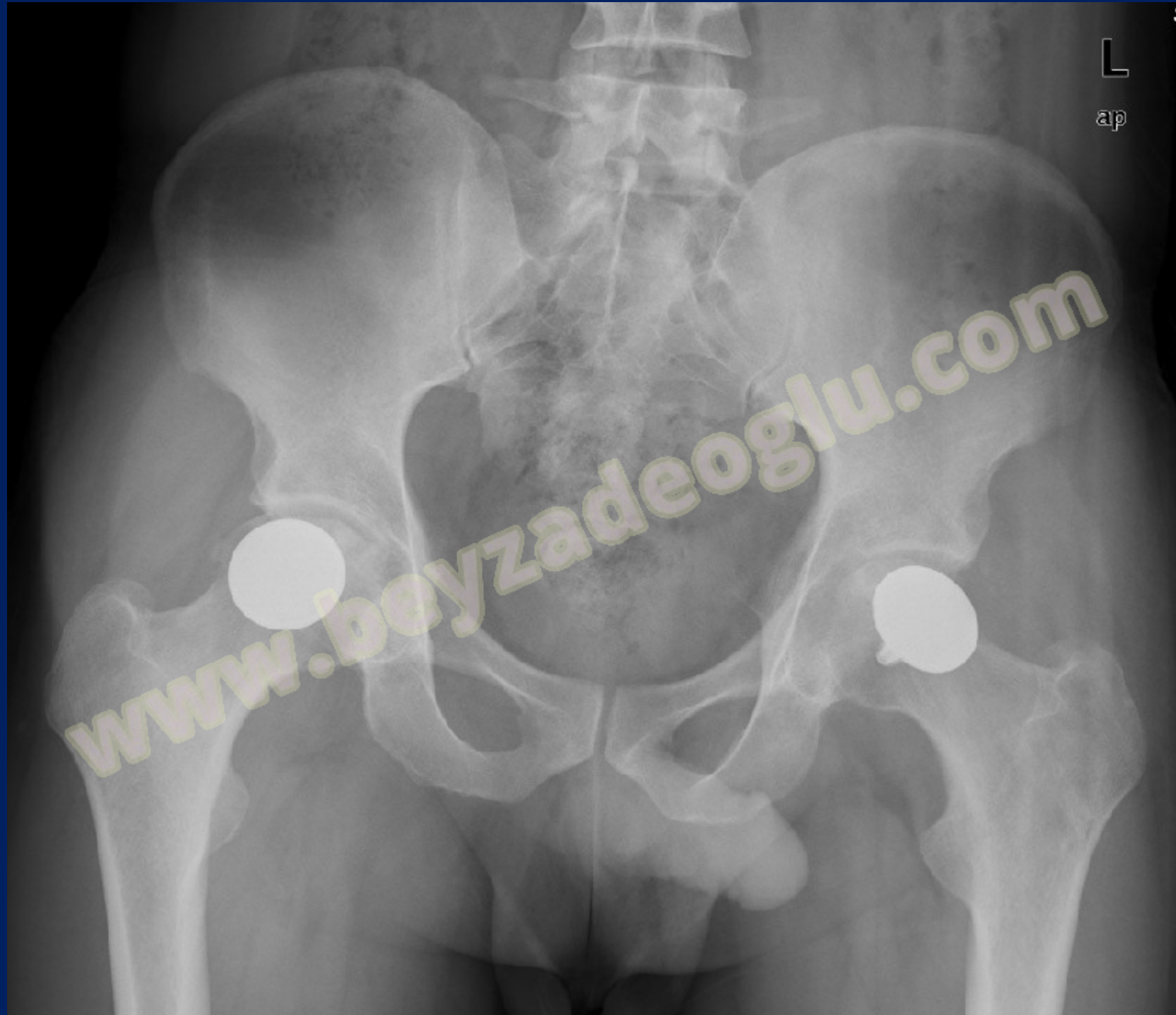






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# OTHER JOINTS

F.A.T.

58 / F

Deformity and Arthrosis of Hallux











# SUMMARY

- Outcomes of limited resurfacing arthroplasty are promising for the treatment of middle aged patients' localized knee chondral lesions and/or failed biological reconstructions.
- New studies with long follow-up periods are needed to confirm the reliability of this treatment option



# THANK YOU

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