

## Online Library Acetabular Fractures Anatomic And Clinical Considerations

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### **Acetabular Fractures Anatomic And Clinical**

Other acetabular fractures, such as transverse fractures, will disrupt both of these anatomic columns. To distinguish among these fractures, remember that anterior column fractures will run cephalad up into the iliac wing and posterior column fractures will course cephalad into the sciatic notch.

### **Acetabular Fractures: Anatomic and Clinical**

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## **Considerations**

of acetabular fracture classification, and the clinical and management implications of different acetabular fractures. Anatomy of the Bony Pelvis and Acetabulum The bony pelvis is composed of the sacrum, coccyx, and the two innominate bones. The innominate bones are formed by the fusion of the ilium, ischium, and pubis (Fig. 1). The il-

## **Acetabular Fractures: Anatomic and Clinical Considerations**

Acetabular fractures may result from high-energy trauma or low-energy trauma in the elderly. The most widely used acetabular fracture classification system among radiologists and orthopedic...

## **Acetabular Fractures: Anatomic and Clinical Considerations**

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In the treatment of acetabular fractures predominantly involving the anterior column and the quadrilateral plate, the Pararectus approach allowed anatomical restoration with minimal morbidity related to the surgical access.

### **PubMed**

Both-column acetabular fractures are the most serious and the second most common type of acetabular fractures.

Approximately 21% of all acetabular fractures involving both columns of the acetabulum require good reduction and stable internal fixation to prevent post-traumatic arthritis and obtain excellent clinical outcomes. S

### **Surgical treatment for both-column acetabular fractures**

...

Acetabulum fractures can involve one or more of the two columns, two walls or roof within the pelvis. Epidemiology.

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demographics. fractures occur in a bimodal distribution. high energy trauma in younger patients (e.g., motor vehicle accidents) low energy trauma in elderly patients (e.g., fall from standing height)

### **Acetabular Fractures**

Orthopedics | The purpose of this study was to determine the incidence of and evaluate the risk for complications and mortality following open treatment of acetabular fractures in the Medicare ...

### **Operative Treatment of Acetabular Fractures in the ...**

The aim of this study was to investigate the clinical and radiological outcomes in elderly patients treated with an acute total hip arthroplasty (THA). Patients and methods This retrospective study included 16 patients (10 women and 6 men) with a mean age of 80.1 years suffering from a displaced

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acetabular fracture after a low-energy trauma.

### **Acute Total Hip Arthroplasty for the Treatment of ...**

Fractures of the acetabulum are challenging orthopedic injuries to repair, at times leaving multiple small fragments of fractured bone and cartilage. Compounded by the location in a region challenging in which to work and fraught with risk, these "puzzle pieces" must be brought back together to restore hip function and mobility.

### **Fractured: Repairing the acetabulum - Mayo Clinic**

The incidence of low-energy acetabular fractures has increased. However, the structural factors for these fractures remain unclear. The objective of this study was to extract trabecular bone architecture and proximal femur geometry (PFG) measures from clinical computed tomography (CT) images to (1) identify possible structural risk factors of acetabular fractures, and (2) to

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discriminate ...

## **Discrimination of Low-Energy Acetabular Fractures from ...**

Although stable anatomic reduction of most displaced acetabular fractures affords the optimal prognosis, especially in younger patients, the initial clinical and radiologic evaluations delineate a sizable minority with poorly prognostic features that favor a poor clinical outcome after internal fixation, by minimizing the likelihood for an anatomic reduction or compromising the outcome despite an anatomic reduction.

## **Displaced Acetabular Fractures Managed Operatively ...**

Anatomy. Anterior column-anterior acetabulum to pubic ramus. Posterior column- posterior acetabulum to ischial ramus. Anterior and posterior columns merge to form acetabular dome= weight bearing portion. Fractures involving acetabular dome require

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operative fixation.

## **Acetabular pelvic fractures**

Background: Acetabular fractures are complex injuries caused due to high velocity injury and constitutes about 18 % of Pelvic fractures. To obtain articular congruency and anatomical reduction is the gold standard in treating these fractures.

## **Functional outcome following conservative management of ...**

Objective: First, to assess the impact of varying computed tomography (CT) radiation dose on surgeon assessment of postfixation acetabular fracture reduction and malpositioned implants. Second, to quantify the accuracy of CT assessments compared with the experimentally set displacement in cadaver specimens.



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### **Standard Versus Low-Dose Computed Tomography for ...**

Some studies also suggested that the fracture classification is not a prognostic factor of outcome, but a tool for understanding the anatomy of the fracture pattern and plan its reduction. 14, 23, 24 Consequently, the current study was not designed to analyze the relationship between fracture type and clinical outcome.

### **Predictors of clinical outcomes after surgical treatment ...**

The main target of acetabular fracture fixation is anatomical joint reconstruction according to the modified Matta criteria. 14,15 The remaining fracture step is considered with <1 mm as anatomical, with 1-3 mm as imperfect and with >3 mm as poor.

### **The Pararectus Approach in Acetabular Surgery ...**

Acetabular fractures are one of the rare injuries. They are usually occurring following a high energy trauma. The type of acetabular

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fractures is mainly depend on the position of the femoral head at the time of injury. The acetabular fracture are usually associated with visceral and neurovascular injuries.

### **Clinical and Radiological Assessment of Acetabular Fracture**

Abstract Satisfactory fixation for displaced acetabular fractures involving the quadrilateral surface remains difficult to obtain with conventional reconstruction plates. To achieve minimally...

### **Fixation of Displaced Acetabular Fractures With an ...**

Acetabular fracture is a break in the socket portion of the “ball-and-socket” hip joint (see Figure 1). Acetabular fracture is a pelvic fracture, which may also involve the ilium, ischium and/or pubis depending on fracture configuration.

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