



This feature will challenge your diagnostic acumen with a glimpse of x-rays, electrocardiograms, and photographs of conditions that real urgent care patients have presented with.

If you would like to submit a case for consideration, please e-mail the relevant materials and presenting information to editor@jucm.com.

Figure 1.

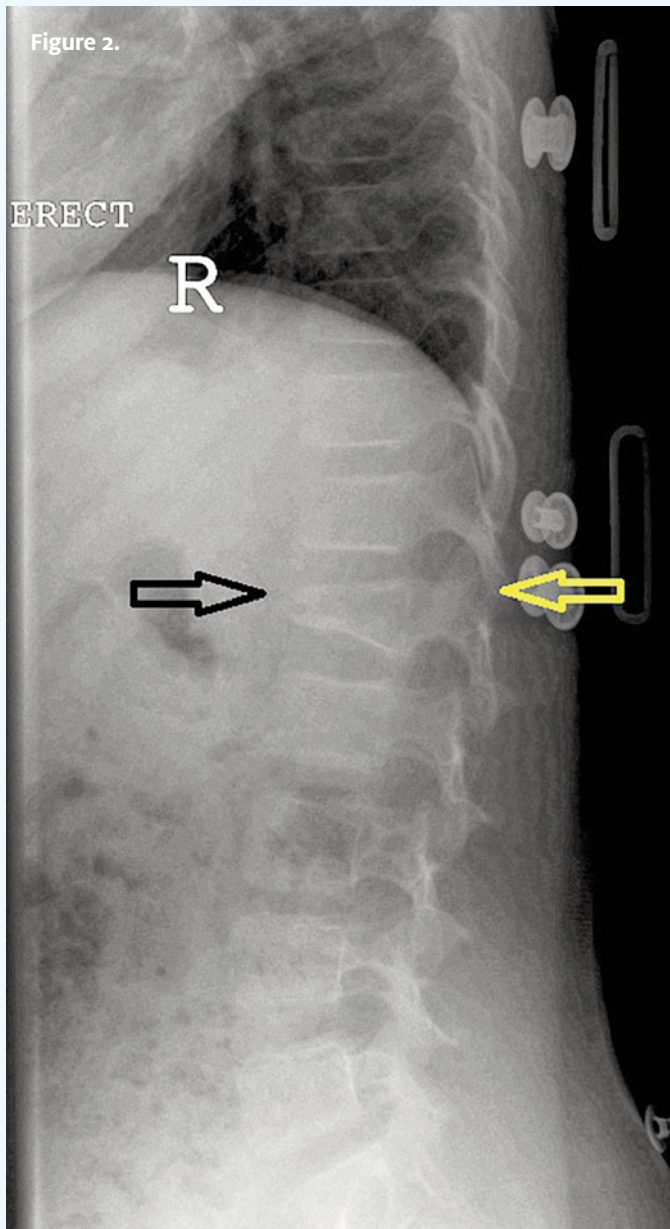


The patient was a rear-seat passenger in a head-on vehicle collision, wearing only a lap seat belt as a safety restraint.

View the image taken (**Figure 1**) and consider what your diagnosis would be.

Resolution of the case is described on the next page.

THE RESOLUTION



Diagnosis: Chance fracture. Chance fractures are typically of the lower thoracic spine, with compression of the anterior vertebral body (*black arrow, Figure 2*) and transverse fracture of the posterior vertebral elements.

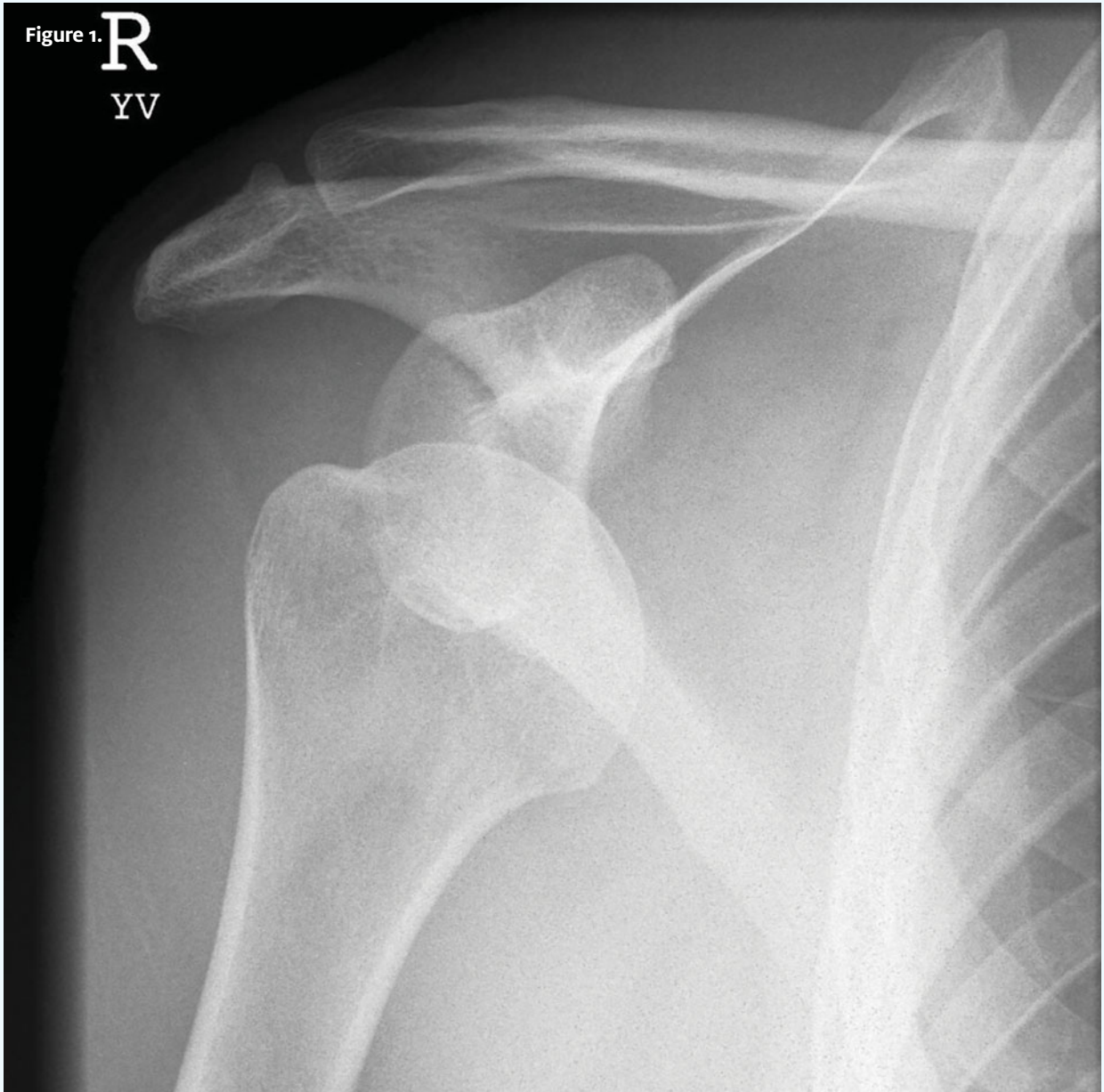
It is caused by a forceful flexion injury and is most commonly associated with old-style lap seat belts in automobiles. Newer seat belts with shoulder restraints have made Chance fractures far less common. Serious intra-abdominal injuries are frequently associated such fractures.

Immobilize the patient, begin intravenous fluid resuscitation, and transfer the patient to a local emergency department.

Images are courtesy of Core Content in Urgent Care Medicine/Teleradiology Specialists Image Database.



Figure 1. **R**
YV

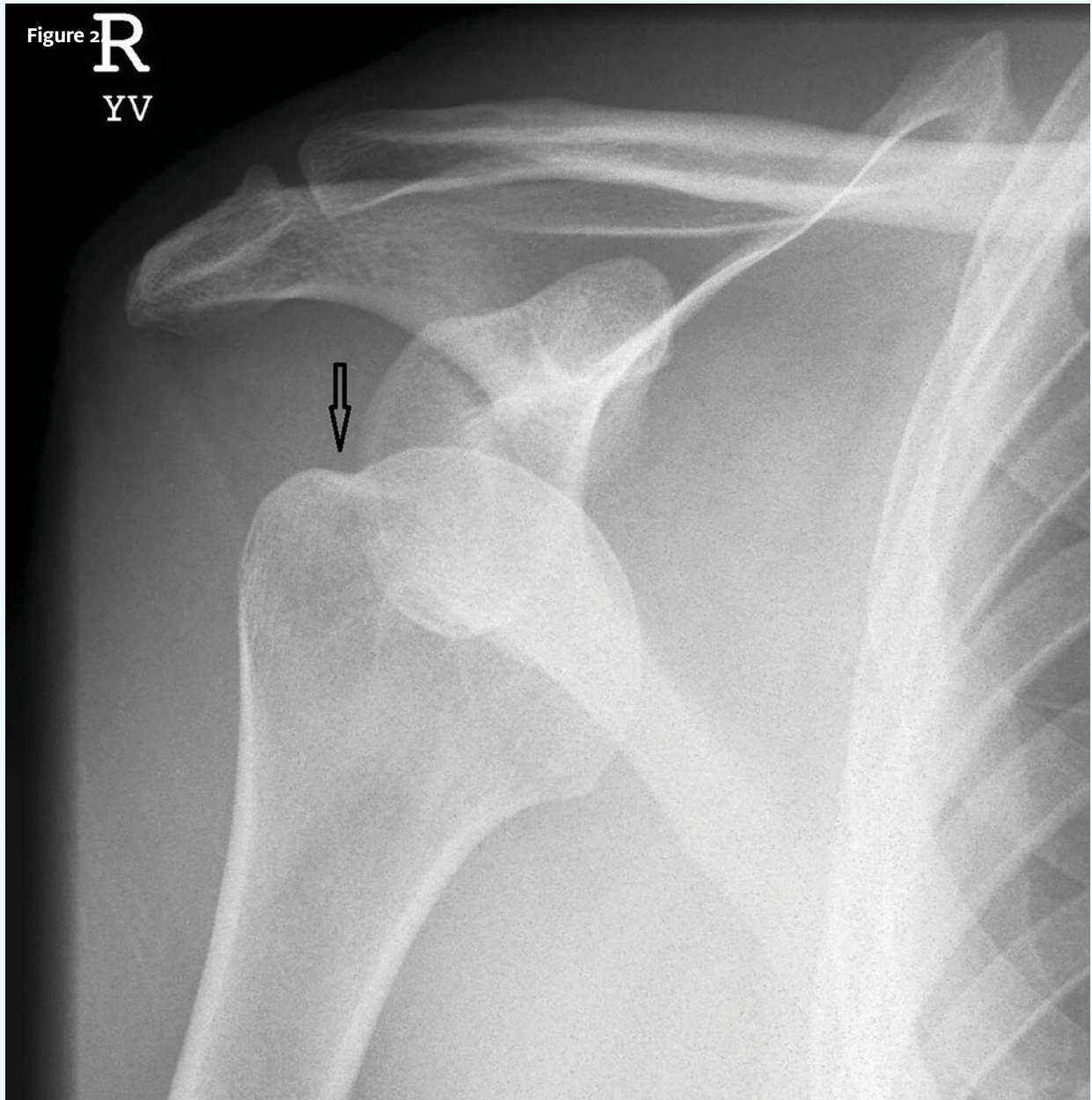


A patient presents after a backward fall off a ladder.

View the image taken (**Figure 1**) and consider what your diagnosis would be.

Resolution of the case is described on the next page.

THE RESOLUTION



Diagnosis: Anterior shoulder dislocation—Hill-Sachs lesion. A Hill-Sachs lesion occurs when the humeral head impacts the glenoid rim when the shoulder is dislocated anteriorly. This appears on x-rays as a cortical depression of the posterolateral head of the humerus (*arrow, Figure 2*).

This patient requires sedation, reduction, and orthopedic referral. Most Hill-Sachs lesions are handled conservatively unless there is recurrent instability.

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