Radiology

REVIEWS AND COMMENTARY • IMAGES IN *RADIOLOGY*

Cinematic Rendering Following a Bone Marrow Harvesting Procedure

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Conflicts of interest are listed at the end of this article.

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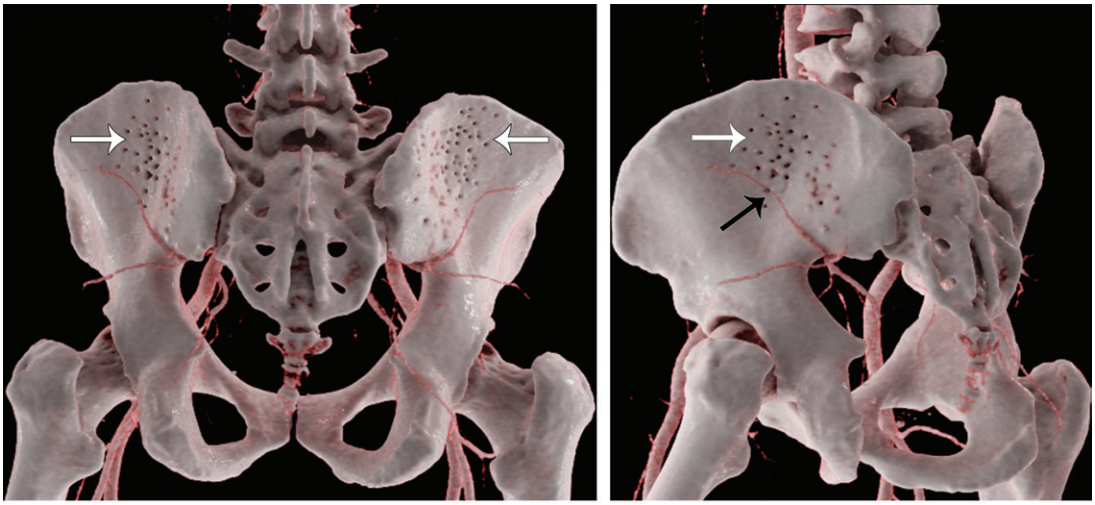

a. b.

(a) Posterior coronal cinematic rendered image from an intravenous contrast-enhanced CT scan demonstrates numerous puncture holes within both iliac crests (arrows). **(b)** Oblique coronal cinematic rendered image provides further anatomic detail of the relationship between the puncture holes (white arrow) and branches of the internal iliac artery (black arrow).

A 46-year-old man presented to the emergency department with nausea, vomiting, and syncope after a bone marrow harvesting procedure. Initial laboratory results demonstrated a reduction in hemoglobin level from 15.7 g/dL to 12.2 g/dL, and contrast material–enhanced CT was ordered for further evaluation. Cinematic rendering (Figure) allows for full evaluation of the extent of bone marrow harvesting. It provides a clear three-dimensional representation of the anatomic distribution of sites of aspiration from the iliac bones (1,2). A small hematoma was present in the left lower abdomen. There was no need for treatment, and the patient was discharged the next morning in stable condition.

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