



NR106-ED-X

Spectrum of Corpus Callosum Lesions: Beyond the Typical 'Butterfly' Differential

All Day Room: NR Community, Learning Center Digital Education Exhibit

Awards

Identified for RadioGraphics

Participants

Yi Yang, MD, North Miami Beach, FL (*Presenter*) Nothing to Disclose
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TEACHING POINTS

1) Discuss the anatomy and embryology of the corpus callosum (CC) 2) Review imaging features of various conditions that involve the CC using a multimodality approach 3) Describe various conditions affecting the CC, beyond the typical differential of 'butterfly' lesions.

TABLE OF CONTENTS/OUTLINE

This will be an image-rich exhibit focusing on CT, MR, and angiogram features of CC lesions. Through our cases and review of the literature, we will highlight the key features leading to a specific diagnosis, which will aid in correct patient management. Case examples will include but will not be limited to congenital (agenesis of CC, lipoma), neoplastic (glioblastoma, lymphoma, metastasis), infectious (abscess, septic emboli, ventriculitis, HIV encephalitis), toxic/metabolic (alcohol demyelination, PRES, transient splenic lesion), vascular (arteriovenous malformation, developmental venous anomaly), genetic (X-linked adrenoleukodystrophy, metachromatic leukodystrophy, mucopolysaccharidosis), inflammatory (multiple sclerosis (MS), tumefactive MS), traumatic (hematoma, hemorrhagic and non-hemorrhagic diffuse axonal injury, fat emboli), and ischemic (infarct, hypoxic ischemic encephalopathy, Wallerian degeneration). This series aims to familiarize radiologists with the diagnostic possibilities and salient radiologic features for narrowing the CC lesion differential.

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