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Original research

Diagnostic accuracy of DW MR imaging in the Differentiation of Chordomas and Chondrosarcomas of the skull base: A 3.0-T MRI Study of 105 Cases

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Purpose

To determine the diagnostic accuracy of DW MR Imaging with apparent diffusion coefficient (ADC) mapping for the distinction of skull base chordoma from skull base chondrosarcoma.

Patients and Methods

From October 2009 to April 2014, 105 consecutive patients (chordomas (n=70), and chondrosarcomas (n=35) who were planned to receive proton or heavy-ion beam therapy underwent DW MR imaging on a 3.0 T. MR images were assessed by means of consensus of

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