A 5-year-old with abnormal hand and forearm

Anne-Marie du Plessis • Savvas Andronikou •
Amaka Offiah

Published online: 5 March 2009
© ISS 2009

History

A 5-year-old boy presented with a history of abnormal wrist painful on movement and restricted range of movement of his elbow. A radiograph (Fig. 1a) revealed absence of the

distal ulna with bowing and proximal dislocation of the radius, while dual echo steady state (DESS; Fig. 1b, c) and Proton Density (Fig. 1d) weighted sequences demonstrated the presence of the proximal ulnar cartilage structures and trochlea as well as a probable fibrous anlage distally.

Fig. 1 **a** Frontal plain radiograph; **b** DESS cartilage sensitive sequence in the coronal plane; **c** DESS cartilage sensitive sequence in the sagittal plane; **d** proton density sequence coronal image

The diagnosis can be found at doi:10.1007/s00256-009-0656-3.

A.-M. du Plessis (✉)
Department of Radiology,
Tygerberg Hospital University of Stellenbosch,
P.O. Box 19063, Tygerberg 7505, South Africa
e-mail: docams@iafrica.com

S. Andronikou
Department of Radiology, University of Cape Town,
Cape Town, South Africa
e-mail: docsav@mweb.co.za

A. Offiah
Department of Radiology,
Great Ormond Street Hospital for Sick Children,
London, UK
e-mail: OffiaA@gosh.nhs.uk