

Pediatric orthopaedics

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Skeletal dysplasias are a large heterogeneous group of disorders comprising of abnormalities of bone or cartilage growth or texture. While certain dysplasias individually are quite rare, their overall prevalence as a group has been reported to be 2.3 to 7.6 per 10,000 births in various epidemiological studies. The correct and early diagnosis of dysplasia is important for correct management of complications and for future genetic counselling. In this

article, we enumerate a radiological approach to skeletal dysplasias. We also include the essential and as well as differentiating features of common non-lethal skeletal dysplasias and conclude by presenting the algorithms to diagnose a particular dysplasia. The appropriate diagnosis of dysplasia is dependent upon the integration of clinical and family history, physical examination, radiologic evaluation and molecular and biochemical tests.

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