

**ROLE OF MR IMAGING IN
EVALUATION OF BONE
MARROW DISORDERS IN
PEDIATRICS**



Essay
Submitted For Partial Fulfillment Of
Master Degree In Radiodiagnosis

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Introduction & Aim Of The Work

INTRODUCTION AND AIM OF THE WORK

Bone marrow disorders include a variety of benign and malignant conditions. The recognition of marrow abnormality is a difficult imaging task. However, MRI offers good media for diagnosis of abnormal marrow contents. On the other hand, the normal bone marrow appearance differs in children than that from adults.

In most cases with bone marrow disease, the final diagnosis is often established by histopathologic examination of marrow aspirates. However, the recognition of bone marrow disorders by MRI and its differentiation from normal marrow signals would alleviate unnecessary bone marrow aspiration.

Accordingly, the aim of this work is to describe the normal MRI bone marrow appearance and to review the various abnormal MRI findings that occur in different marrow-involving disorders in the pediatric population.



**Normal MRI
Bone Marrow
Appearance**

