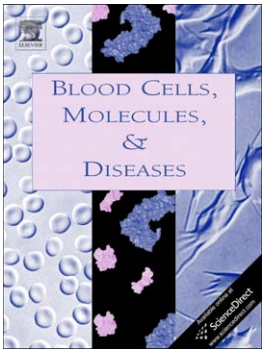

Intraobserver and Interobserver variability of the Bone Marrow Burden (BMB) score for the assessment of disease severity in Gaucher disease

Jeffrey K.C. Lai, Patricia L. Robertson, Christine Goh, Jeff Szer

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Authors: Jeffrey K C Lai, Patricia L Robertson, Christine Goh, Jeff Szer.

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Aim

To evaluate the intraobserver and interobserver agreement for bone marrow burden (BMB) scores for individual examinations and for the change in BMB score over time in the same patient.

Methods

A total of 119 sets of MR images of the lumbar spine and femora from 60 patients with Gaucher disease were included. Each set of MR images was scored using the BMB score independently by two experienced MSK radiologists. One radiologist performed a second read four weeks later. Intraobserver and interobserver agreement was assessed using Bland-Altman analysis and weighted Kappa scores.