



18 - 23 AUGUST 1996

20th WORLD CONGRESS

SICOT

96

AMSTERDAM

FINAL

PROGRAMME

WEDNESDAY 21 AUGUST 11.00-11.30 / 12.45-13.15 HOURS
THURSDAY 22 AUGUST 11.00-11.30 / 12.45-13.15 HOURS

**P2.498 The Coordination of Mineral Matrix Remodelling in
Different Skeletal Sites After an Isolated Femoral
Fracture**

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An isolated transverse fracture of the right femoral bone was produced in 179 white male rats. The fragments were fixed with an intramedullary metallic nail. The mineral saturation in all the sites varied with a circaseptane wave length around the trend which also oscillated. To verify the coordination of these changes all the trends were compared in pairs. The differences ($P < 0.05$) were estimated with the application of Sobolev's metrics (1950). It was bound out that from the 26th till the 34th day the differences were minimal, and from the 6th till the 16th and since the 50th till the end of the experiment-maximal. Thus, the asymmetry degree of the mineral exchange in bone tissue changes in different terms after the fracture. The greatest dissociation of the parameters characterizing the long-term processes probably happens during the qualitative metabolic changes, and these terms are critical for the metabolic processes in bone tissue..