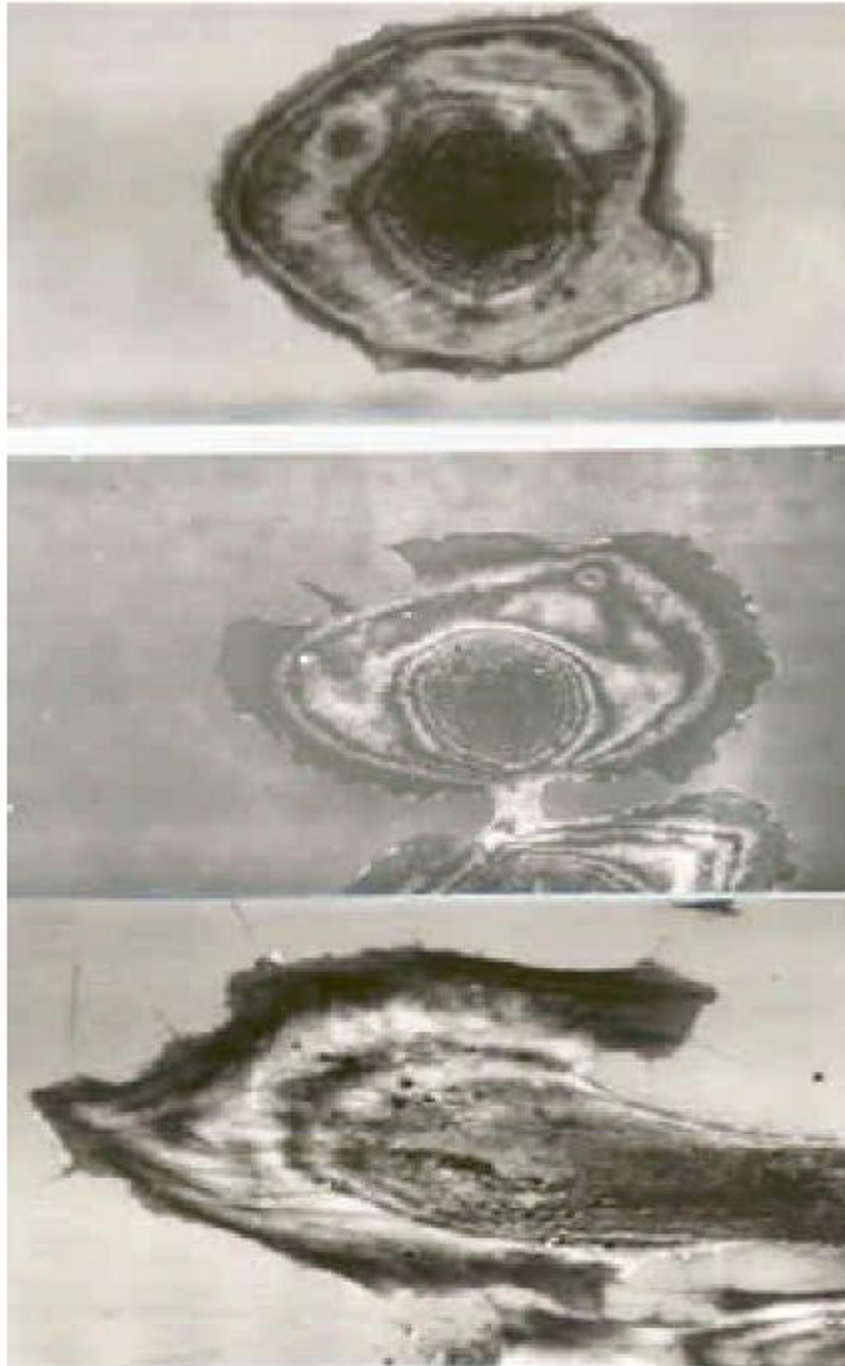


# Living cells

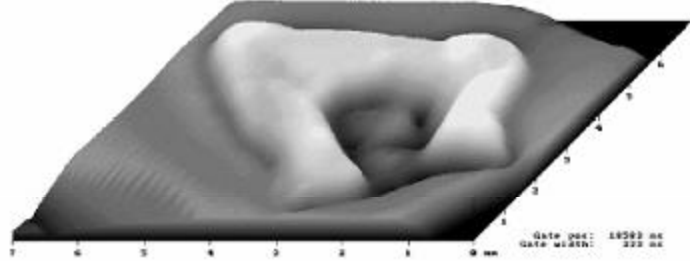


# Acoustic Microscopy

## Reconstruction of the inner tooth structure

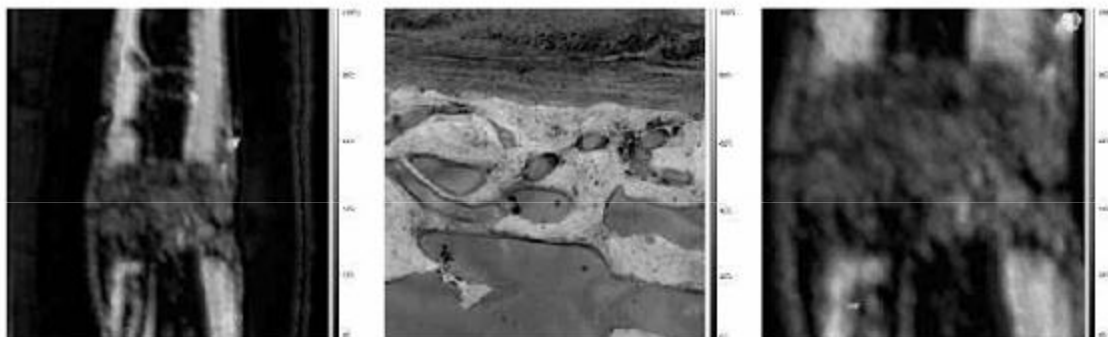


enamel    dentine



The SAM image is taken with 80MHz. The C-scan and the 3D-image showing clearly the distinction between the outer enamel (hard) and the inner dentine (softer).

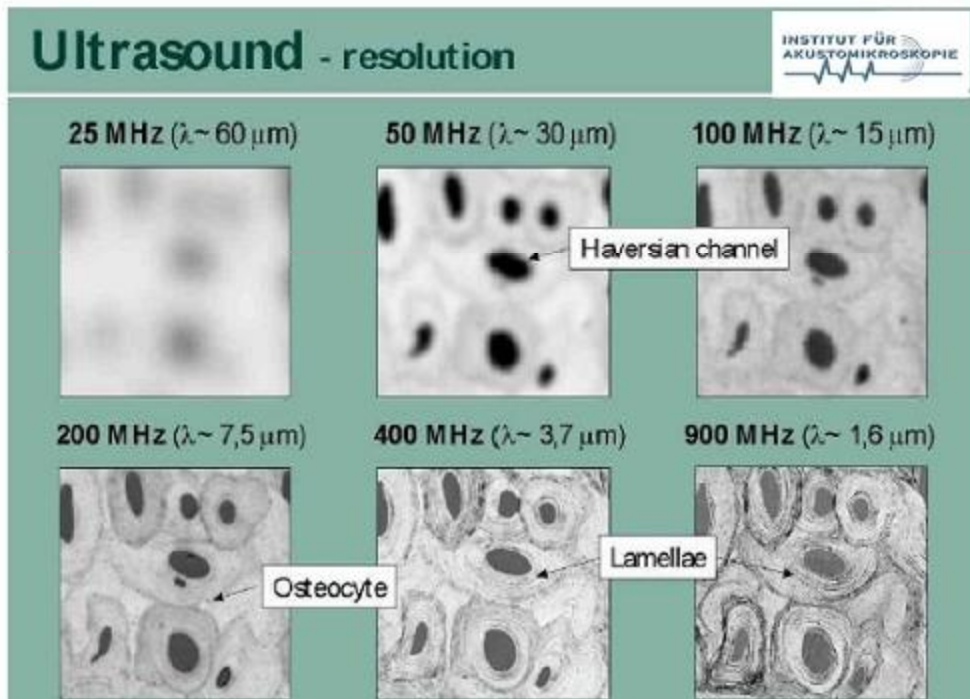
## Rabbit tibial bone



C-scan picture of a specimen of rabbit tibial bone taken at 50MHz. The tibia was subjected to osteotomy and entered into a bone distraction osteogenesis (bone elongation) pt to study the mechanical properties of the osteogenic zone (new bone formation), which is the relatively dark zone of the picture. Scanning area: 20mm x 20 mm

# Acoustic Microscopy

## Osteoporose research rittle-bone disease



## Bio Medical Applications: Osteoporose research brittle-bone disease

