

QRM-BFM前臂模型

用于前臂定量计算机断层扫描 (QCT) 测量的体模，用于根据骨矿物质校准 CT 值密度 (BMD)。

QRM-Forearm-Phantom 开发用于根据 BMD 校准 CT 值。其形状根据成人前臂的解剖结构进行了优化。它直接放置在前臂和 CT 床之间。

该模型由两个实心圆柱杆组成，分别由水等效材料和骨等效材料制成。

规格

模体基材.....组织等效树脂
模型横截面..... 70 x 25 mm²

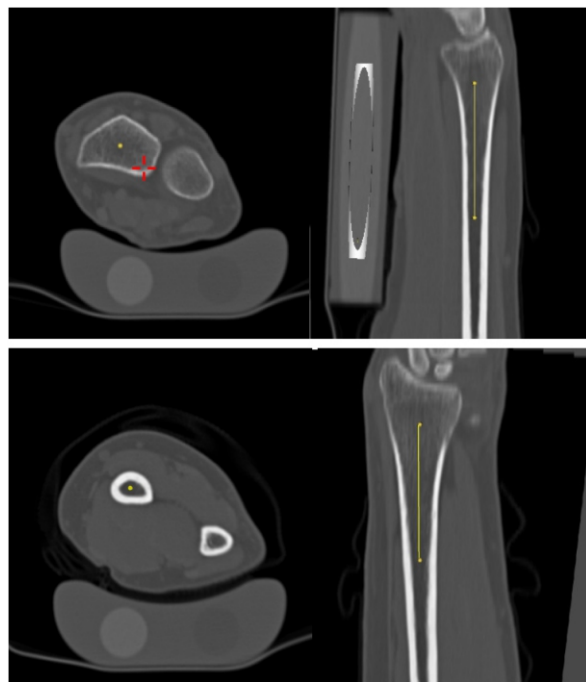
模型长度150 mm
体模重量 225 g
指定骨骼 eqv 插件 200 mg HA/cm³
水当量插件 0 HU (80 - 140 kV)

References

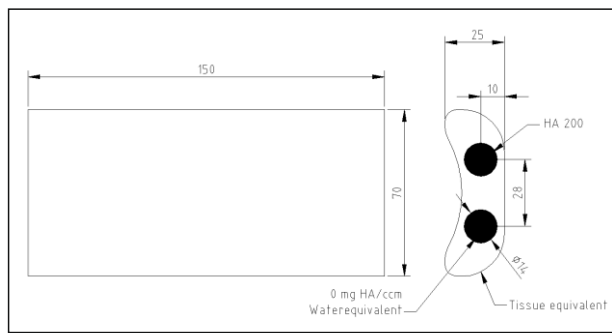
- [1] K. Engelke, W. Timm, B. Stampa, E. Paris, T. Fuerst, C. Libanati, H.K. Genant.
Quantitative Computed Tomography (QCT) of the forearm using clinical CT scanners. Presented at "29nd Annual Meeting of the American Society for Bone and Mineral Research", Honolulu, HI (2007). JBMR 22 Suppl 1, S193



QRM-Forearm-Phantom外观图



前臂 CT 扫描 - 以及校准体模下方 [1]



Forearm Phantom

A Phantom for Quantitative Computed Tomography (QCT) measurements of the forearm to calibrate CT values to Bone Mineral Density (BMD).

The QRM-Forearm-Phantom was developed for calibrating CT values to BMD. Its shape is optimized to the anatomy of an adult forearm. It is placed between the forearm and the CT coach pet directly.

The phantom consists of two solid cylindrical rods, of water-equivalent and bone-equivalent material, respectively.

Specifications

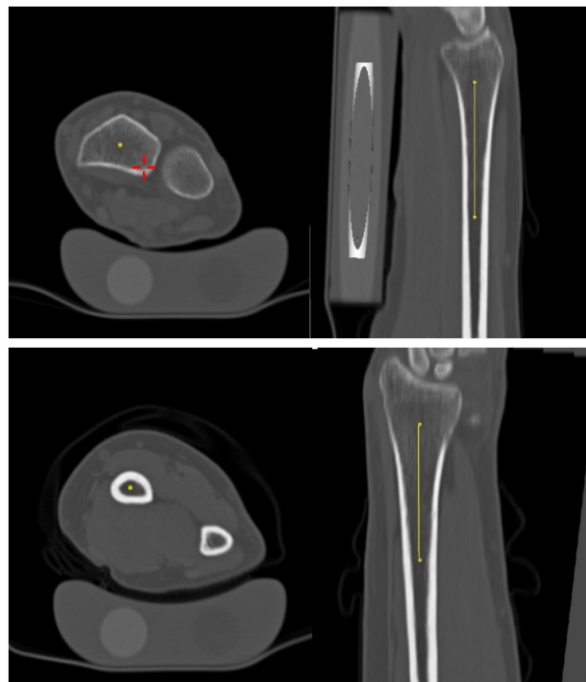
Base materialtissue-equivalent resin
Phantom cross section..... 70 x 25 mm²
Phantom length150 mm
Phantom weight 225 g
Bone eqv insert specified 200 mg HA/cm³
Water equivalent insert 0 HU (80 - 140 kV)

References

- [1] K. Engelke, W. Timm, B. Stampa, E. Paris, T. Fuerst, C. Libanati, H.K. Genant. Quantitative Computed Tomography (QCT) of the forearm using clinical CT scanners. Presented at "29nd Annual Meeting of the American Society for Bone and Mineral Research", Honolulu, HI (2007). JBMR 22 Suppl 1, S193



The QRM-Forearm-Phantom



CT-scans of a Forearm - and below the calibration phantom [1]

