Anthropomorphic Pediatric Thorax and Abdomen

QRM-Pediatric-Phantoms

Anthropomorphic thorax and abdomen phantoms in the size of an infant 150 x 100 mm² (breast measurement of 414 mm).

QRM-Pediatric-Thorax comprises artificial lung lopes, a spine insert, and shell of soft tissue equivalent material.

QRM-Pediatric-Abdomen comprises a fixed liver and spleen insert, a spine insert, and shell of soft tissue equivalent material. It is available as well in a full body version (without liver and spleen).

The plastics used in these anthropomorphic phantom mimic human tissues with respect to density and X-ray attenuation characteristics of the human thorax and abdomen.

The phantoms can be delivered as well with an additional bore hole of 50 mm diameter at the heart/stomach position to adapt different inserts.

The QRM-Pediatric-Phantom is also available with drilled holes according to CTDI-specifications for dosimetry purpose or to add different contrast inserts as CaHA or iodine.

Specifications

Phantom body ................. 100 x 150 mm
Phantom length ...................... 100 mm
Phantom weight ..................... 1.2 / 1.6 kg

Material:
- tissue .................. 35 HU (120 kV)
- lung ...................... app. -800 HU
- liver / spleen .............. 55 HU (120 kV)

Bore hole for insert upon request ........... 50 mm

CT-scan of pediatric thorax and abdomen

QRM-Pediatric-Thorx / Abdomen