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76-606 Dental Head Phantom



Introduction

The Dental Head Phantom mimics an average adult male head in size, shape and structure. The phantom includes larynx, trachea, sinus, nasal and mouth cavities. An articulating lower jaw enables easy access to teeth and air cavities. The phantom is made from tissue analogs for brain, bone, spinal cord, vertebral disks, tooth enamel and soft tissues that mimic actual tissues within 1% for both CT and Therapy energy ranges (50 keV to 25 MeV).

Applications

The dental head phantom is a very versatile solution for optimal dental education and advanced training of radiologists, technologists and radiological physician assistants in universities, schools and institutes. Dosimetry is an essential element of patient protection. The dental head phantom helps you calculate dosage for different organs and tissues and can be customized according to the application. Panoramic x-ray films can be performed using the dental head phantom. The phantom has two imbedded natural teeth and the tongue is removable. 50% of all dental practices use panoramic radiography and this phantom is perfect to visualize the oral cavity.

- ◆ For dental x-ray evaluations and other applications
- ◆ Helps in the verification of patient position, beam placement, and dosimetry in head and neck cancers
- ◆ Accurately matches narrow-beam attenuation of tissue thickness for all energies in diagnostic range
- ◆ Only phantom used for panoramic radiography

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