

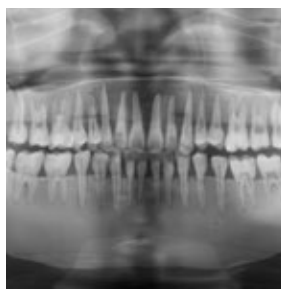
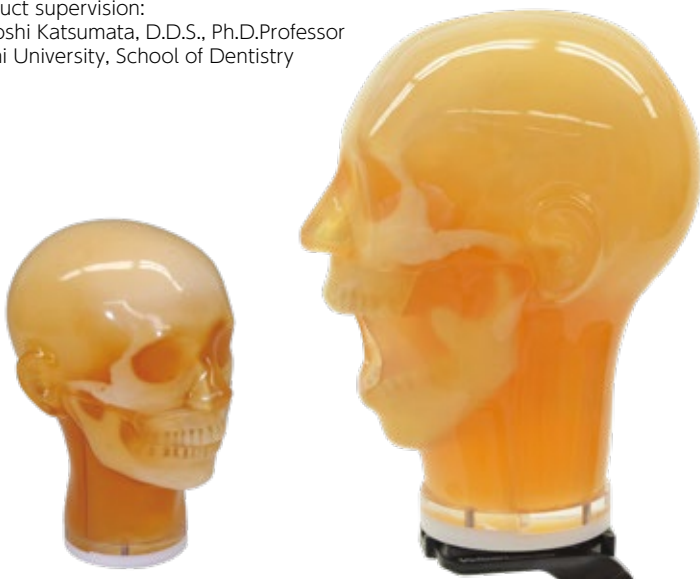
PH-47 | 41301-200 (Mouth Closed) PH-62 | 41301-300 (Mouth opened)

Dental Radiography Head Phantom

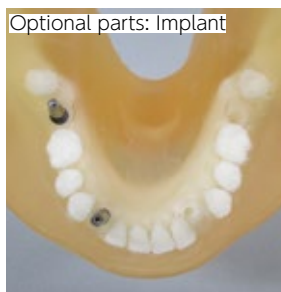


Removable jaws and tongue allow a variety of application for training and research

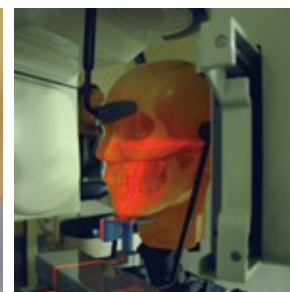
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Optional parts: Implant



FEATURES

- | Separately modeled each tooth has a three-layer structure of enamel, dentin and pulp cavity
- | Each hard tissue (enamel, dentin, cortical bone and cancellous bone) has a particular HU number and X-ray absorption rate
- | Jaws and tongue are detachable to allow access to the oral cavity, pharyngeal cavity and maxillary sinus. Censors, simulated lesions, or residue can be set in these cavities
- | Carotid arteries are prepared as lumens to accommodate simulated calcifications

APPLICATIONS

- | Dental radiography
- panoramic (41301-200)
- intra-oral (41301-300)

ANATOMY and PATHOLOGY

- Synthetic skull with nasal cavity, maxillary sinus, mandible alveolar, and maxillary alveolar; cervical vertebrae and hyoid bone, teeth with enamel, dentin and pulp cavity.
- Tongue, oral cavity, pharyngeal cavity and carotid arteries

DESCRIPTIONS

SET INCLUDES

1 main head unit	1 fixation base (including screws)
1 upper jaw (alveolar bone)	1 tripod
1 lower jaw (alveolar bone)	1 set of sample X-ray data (DVD)
1 tongue	1 storage case
	1 manual

SPECIFICATIONS

Phantom size:
W20 x D21 x H25 cm
W7.8 x D8.2 x H9.8 in
Phantom weight:
4.8 kg/ 10.6 lb

Packing size:
W66 x D54 x H34 cm
W44 x D21 x H13.3 in
Packing weight:
12 kg/ 26.4 lb

MATERIALS

Soft tissue: urethane based resin (specific gravity: 1.06)
Synthetic bone: epoxy resin (specific gravity: 1.31)

OPTIONAL PARTS

41301-200-01 lower jaw with implant *mouth closed type



PUBLICATION REFERENCES

Kitai N, Mukai Y, Murabayashi M, Kawabata A, Washino K, Matsuoka M, Shimizu I, Katsumata A. Measurement accuracy with a new dental panoramic radiographic technique based on tomosynthesis. Angle Orthodontist. 2013; 83, No 4.
Read more: <http://www.ncbi.nlm.nih.gov/pubmed/22612390>

