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OC-113 - (23796) - PRE-SPECIALIST VIEWS ON THREE-DIMENSIONAL MODELS OF THE COELIAC TRUNK IN ANATOMICAL LEARNING

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Cadaveric materials, books, dummies and digital imaging resources are used in anatomy education. 3D printing technology is a high technology method that provides comprehensive imaging of organs, variations, congenital anomalies and arterial structures. This study was aimed to investigate the use of three-dimensional (3D) printed models containing coeliac trunk variations in anatomy courses.

8 samples that is between the ages of 18-60 was selected from computed tomography angiography images of 1000 patients with coeliac trunk variation. These samples was printed using 3D printer. 7 anatomy assistants was included in the study.

Assistants filled in questionnaire. While 85.71% of the participants had knowledge about 3D printer and 3D anatomy model, they did not know the computer programs used to create 3D anatomy models. It was found that 57.15% of the assistants obtained information about the 3D anatomy model from scientific/medical books, and 14.29% of the assistants obtained information about the 3D anatomy model from the internet or their friends. 3D models were found to be more effective than CT images in terms of determining the anatomical origin, clearly seeing the path, measuring the artery diameter, understanding the presence of anomaly, and explaining the presence of anomaly to friends of the truncus coeliacus ($p<0.05$).

We think that our study will contribute to research on the potential benefits of using 3D models in anatomy education and 3D printing will be developed and integrated into medical education in the future.

Palavras-chave : Anatomy education, Coeliac trunk variation, 3D printing technology