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E-Book: The Basic Physics and Imaging Principles in Computed Tomography

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Researchers have made an e-book with the title The Basic Physics and Imaging Principles in Computed Tomography, whose contents consist of History of CT, Physics Principles of CT, Component of CT, Spiral CT/Multi-slice CT, and Image Reconstruction Theory. Much of the contents are taken from the book entitled X-ray Computed Tomography: Principles of Physics, Techniques, and Quality Control written by Manus Mongkolsuk, suitable for radiological technology students. Photoshop CS5, Powerpoint, Procreate, Pages, and Book is programs that are used to create an e-book. The important features of the e-book are text presentations, pictures, image animations, video clips, and quizzes. It can be available both offline and online for the convenience of the user. The file size of the e-book was about 10.7 MB. The satisfaction evaluation was initially performed by five volunteers who were radiological technology students. The results of the evaluation were satisfied at the score level 4.64 from a maximum rating score of 5.

Keywords: e-Book, Computed Tomography, CT, Basic Principles of CT, Image Reconstruction Theory

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