Image Article

Brain PET (Positron Emission Tomography) Scanner: An Image Article

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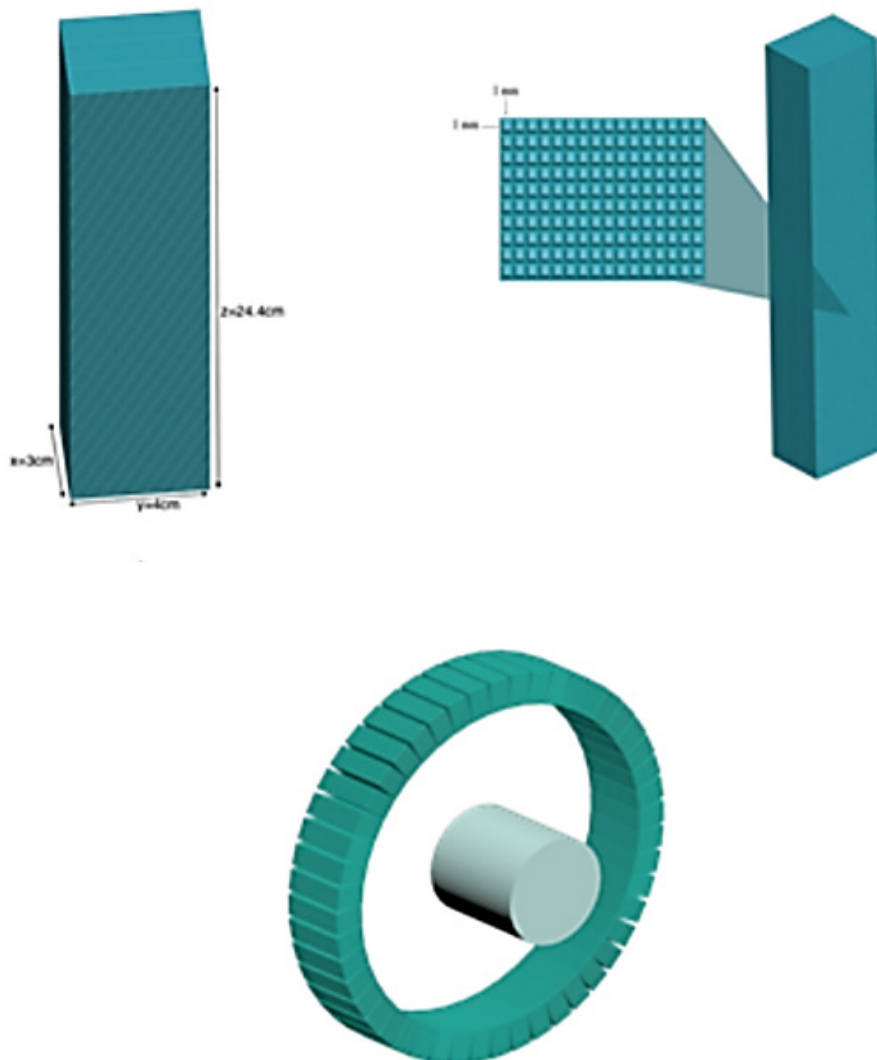International Research Journals Publishing House, Sapele, Nigeria.

Figure 1: In molecular imaging, Positron Emission Tomography (PET) plays a crucial role, mainly for cancer detection. A brain PET scanner was simulated to increase the spatial resolution of scintillator detectors. Because of the pathologies present with the brain and the problems encountered when studying the human brain, the architecture applied here is devoted to the human brain. This PET model can be used on various types of PET scanners, including a small-animal, a whole-body and even a Positron Emission Mammography (PEM) scanner.