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Editorial: Second Issue Of International Journal of Advances in Biomedical Engineering

Founding Editor: Dr. Caglar Cengizler*

*E-mail:editorial@ijabe.online

Second Issue in a Nut Shell

We proudly present the second issue of our journal. In this issue, we bring together four recent research articles on different areas of biomedical research. A diverse set of collected topics include animal use in biomedical research, tomography technology, biomedical signal processing and a rare case of ectopia cordis.

Fish are easy to maintain, breed and obtain. Moreover it is relatively easy to set up habitat for fish. These factors would make them ideal experimental animals. In this issue i. Cengizler explains the details of the use of fish as experimental animals in his study [1].

Ectopia Cordis is a congenital defect occurs in the case of location of the heart is outside the thoracic cavity. It is a very rare disease and many studies link it to chromosomal abnormalities. In their article Tepe et al. present a case of Ectopia Cordis and applied intervention [2].

Acoustic analysis is one of the popular biomedical signal processing problems widely tackled for getting more information from the internals of the body. Cengizler and Unal are presenting a study that reveals the spectral features of the bowel sounds [3].

Tomography is a widely used medical imaging modality allow us to monitor body internals by cross-sectional images. Rapidly evolving information technology hardware have increased the imaging potential of tomography. Additionally new machine learning approaches also increase the medical diagnostic capacity of the tomography. C. Cengizler reviews the innovative implementations of nature inspired algorithms in his mini-review [4].

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