

A Comparative Study on Segmentation Techniques for Detecting The Ovarian Follicles in Ultrasound Images

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ABSTRACT:

Image Segmentation is the most arduous and evaluative process in analyzing the ultrasound images. The Segmentations can be done by dividing or detaching the image as per some parameters like size, structure, colour, intensity, and or texture. Ultrasound images are one of the most Promising, and Solid medical images for the segmentation process because image consists of more sparkle noise due to the reflection of waves while producing the ultrasound images. Also, segmentation examines to be complicated to detect the boundaries and region in ultrasound images. This paper reviews various kinds of segmentation techniques for the detections of a follicle in the ovary. And concludes PCOS by using various parameters like size, count, and texture of follicles. Recognize and analyze the follicle can find the cause of infertility in adult women generally. Comparative studies were discussed in this article with the help of previous works. And the performance of various segmentation processes.

Keywords: *Follicle detection, Ovary, Segmentation method, Ultrasound image.*