

عنوان مقاله:

Image processing applications in medical field: a survey

محل انتشار:

دومین کنفرانس ملی مهندسی برق و کامپیوتر (سال: 1396)

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خلاصه مقاله:

In recent years, image processing in the medical field has been used to recovery, rapid in identification disease and treatment of disease. In various disease, especially cancer, early diagnosis and proper treatment can increase prognosis and patient survival. So image processing, as a tool for decision support, can help doctors in early disease diagnosis and can be used as a simple and non-invasive method to identify cancer cells. The image processing means converting an image into digital image and applying some operations on it to extract useful information from it. The purposes of image processing are image improvement, pattern recognition and final diagnosis. The general steps in image processing are image acquisition, image retrieval, image preprocessing, image analysis and classification. In this paper, a number of recent developments in medical imaging are outlined.

کلمات کلیدی:

Image processing, medical field, Cancer detection, Diabetes detection, Glaucoma detection

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