عنوان مقاله:

A PDM based Approach for Defining Initial Hypothesis of Lung and Clavicles in Chest Radiograph

محل انتشار:

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خلاصه مقاله:

In this paper we review a PDM method for defining simple and flexible model of shape variations of the lungs andclavicles anatomy in chest radiographs. Boundaries of these organs are represented by a set of landmark points and modes ofvariations are determined from ways which the landmark points tend to deform from a mean shape. The method has linearcomputational complexity. This model can be used as initial hypothesis in automatic image search, segmentation, and cancerdetection algorithms. This method is shown to be an efficient method for refining initial hypothesis and has much less dimensionsas compared to the original shape data

کلمات کلیدی:

Point Distribution Models, Landmarks, Mean Shape, Alignment, Boundary, Radiographs

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