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Object detection in medical image analysis can be modelled as a search for an object model in the image. The model describes attributes such as shape and appearance of the object.

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Similar concepts exist for analysis of medical images: images of different states of health may be distinct at one level of granularity (scale), but at a finer scale they may share substructural characteristics (hence, at that finer scale the model can learn motifs that are shared between different states of health/disease).

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