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(57) Abstract :
The present invention discloses a method for detecting fetal cardiac tumors using deep learning. The method comprises the steps of: acquiring an echocardiographic image of a fetal heart, preprocessing the image to remove noise and artifacts, segmenting the fetal heart from the image, extracting features from the segmented fetal heart, and classifying the features using a deep learning model to determine whether the fetal heart contains a tumor. The method is more accurate and objective than traditional methods of detecting fetal cardiac tumors, and it can potentially be used to detect tumors at an earlier stage of development.

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