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DESCRIPTORS: \*Phonocardiography, Diagnosis,  
\*Mitral stenosis, Heart, Atherosclerosis (Medical)

The most reliable phonocardiographic sign of marked  
mitral stenosis is a considerable increase in the ampli-  
tude of the first sound at the apex of the heart, a length-  
ening of the Q-first sound interval to more than 0.09  
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