

ABSTRACT

Evaluation comparison image on the quality of technique Breath Hold (SSTSE) and Respiratory Triggering (TSE) to the examination of magnetic cholangiopancreatography (MRCP)

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Magnetic resonance cholangiopancreatography (MRCP) , that is an carried on the system biliary to visualize a disorder in part biliary or of the human bile. Know the quality of image in MRCP to technique Breath Hold (SSTSE) and Respiratory Triggering (TSE). Methods used in this research is the kind of research observational that is prospective namely such data not yet is. Total sample used is 16 samples to each technique that is examination MRCP. The result of the measurement of to be processed to find conclusion engineering and sequence will optimal to the examination of magnetic resonance cholangiography (MRCP) .Value Signal to Noise Ratio (SNR) is high shows structure of the anatomy in pancreatic duct. So can be concluded that to technique respiratory triggering shows the SNR high especially anatomical structures in pancreatic duct and value Contrast to Noise Ratio (CNR) higher show technique breath hold. Technique be a better used is a technique respiratory triggering, to get results of the image good.

Kata Kunci : Breath Hold, Respiratory Triggering, MRCP, SNR, CNR

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