

표 1 . 복부 핵심질문2 근거표

핵심질문 2

문헌정보	연구유형	대상자 수	문헌 질 KCIG
Trowbridge RL, Rutkowski NK, Shojania KG. Does this patient have acute cholecystitis? JAMA 2003; 289(1):80-86.	Review/Other- Dx	17 studies	
Laing FC, Federle MP, Jeffrey RB, Brown TW. Ultrasonic evaluation of patients with acute right upper quadrant pain. Radiology 1981; 140(2):449-455.	Observational- Dx	52 patients	
Bree RL. Further observations on the usefulness of the sonographic Murphy sign in the evaluation of suspected acute cholecystitis. J Clin Ultrasound 1995; 23(3):169-172.	Observational- Dx	200 patients	
Shea JA, Berlin JA, Escarce JJ, et al. Revised estimates of diagnostic test sensitivity and specificity in suspected biliary tract disease. Arch Intern Med 1994; 154(22):2573-2581.	Review/Other- Dx	30 articles	
Kiewiet JJ, Leeuwenburgh MM, Bipat S, Bossuyt PM, Stoker J, Boermeester MA. A systematic review and meta-analysis of diagnostic performance of imaging in acute cholecystitis. Radiology. 2012 Sep;264(3):708-20.	Review/Other- Dx	57 studies, 5859 patients	
Bennett GL, Balthazar EJ. Ultrasound and CT evaluation of emergent gallbladder pathology. Radiol Clin North Am 2003; 41(6):1203-1216.	Review/Other- Dx	N/A	
Hanbidge AE, Buckler PM, O'Malley ME, Wilson SR. From the RSNA refresher courses: imaging evaluation for acute pain in the right upper quadrant. Radiographics 2004; 24(4):1117-1135.	Review/Other- Dx	N/A	
Smith EA, Dillman JR, Elsayes KM, Menias CO, Bude RO. Cross-sectional imaging of acute and chronic gallbladder inflammatory disease. AJR 2009; 192(1):188-196.	Review/Other- Dx	N/A	
Cho JY, Han HS, Yoon YS, Ahn KS, Lee SH, Hwang JH. Hepatobiliary scan for assessing disease severity in patients with cholelithiasis. Arch Surg 2011; 146(2):169-174.	Observational- Dx	941 patients	
Alobaidi M, Gupta R, Jafri SZ, Fink-Bennet DM. Current trends in imaging evaluation of acute cholecystitis. Emerg Radiol 2004; 10(5):256-258.	Observational- Dx	117 patients	
Kalimi R, Gecelter GR, Caplin D, et al. Diagnosis of acute cholecystitis: sensitivity of sonography, cholescintigraphy, and combined sonography-cholescintigraphy. J Am Coll Surg 2001; 193(6):609-613.	Observational- Dx	132 patients	
Ralls PW, Colletti PM, Halls JM, Siemsen JK. Prospective evaluation of 99mTc-IDA cholescintigraphy and gray-scale ultrasound in the diagnosis of acute cholecystitis. Radiology 1982; 144(2):369-371.	Observational- Dx	91 patients	
Ralls PW, Colletti PM, Lapin SA, et al. Real-time sonography in suspected acute cholecystitis. Prospective evaluation	Observational- Dx	497 patients	

n of primary and secondary signs. Radiology 1985; 155(3):767–771.			
Samuels BI, Freitas JE, Bree RL, Schwab RE, Heller ST. A comparison of radionuclide hepatobiliary imaging and real-time ultrasound for the detection of acute cholecystitis. Radiology 1983; 147(1):207–210.	Observational– Dx	194 patients	
Bennett GL, Rusinek H, Lisi V, et al. CT findings in acute gangrenous cholecystitis. AJR 2002; 178(2):275–281.	Observational– Dx	75 patients; 4 observers	
De Vargas Macciucca M, Lanciotti S, De Cicco ML, Coniglio M, Gualdi GF. Ultrasonographic and spiral CT evaluation of simple and complicated acute cholecystitis: diagnostic protocol assessment based on personal experience and review of the literature. Radiol Med 2006; 111(2):167–180.	Observational– Dx	35 patients	
Shakespeare JS, Shaaban AM, Rezvani M. CT findings of acute cholecystitis and its complications. AJR 2010; 194(6):1523–1529.	Review/Other– Dx	N/A	
Tsai MJ, Chen JD, Tiu CM, Chou YH, Hu SC, Chang CY. Can acute cholecystitis with gallbladder perforation be detected preoperatively by computed tomography in ED? Correlation with clinical data and computed tomography features. Am J Emerg Med 2009; 27(5):574–581.	Observational– Dx	75 patients	
Fuks D, Mouly C, Robert B, Hajji H, Yzet T, Regimbeau JM. Acute cholecystitis: preoperative CT can help the surgeon consider conversion from laparoscopic to open cholecystectomy. Radiology 2012; 263(1):128–138.	Observational– Dx	108 patients	
Akpinar E, Turkbey B, Karcaaltincaba M, et al. Initial experience on utility of gadobenate dimeglumine (Gd-BOPTA) enhanced T1-weighted MR cholangiography in diagnosis of acute cholecystitis. J Magn Reson Imaging 2009; 30(3):578–585.	Review/Other– Dx	11 consecutive patients with acute right upper quadrant pain; 15 controls	
Altun E, Semelka RC, Elias J, Jr., et al. Acute cholecystitis: MR findings and differentiation from chronic cholecystitis. Radiology 2007; 244(1):174–183.	Observational– Dx	32 patients; 4 blinded reviewers	
Oh KY, Gilfeather M, Kennedy A, et al. Limited abdominal MRI in the evaluation of acute right upper quadrant pain. Abdom Imaging 2003; 28(5):643–651.	Observational– Dx	24 patients	
Hakansson K, Leander P, Ekberg O, Hakansson HO. MR imaging in clinically suspected acute cholecystitis. A comparison with ultrasonography. Acta Radiol 2000; 41(4):322–328.	Observational– Dx	94 patients	
Regan F, Schaefer DC, Smith DP, Petronis JD, Bohlman ME, Magnuson TH. The diagnostic utility of HASTE MRI	Observational– Dx	72 patients	

in the evaluation of acute cholecystitis. Half– Fourier acquisition single–shot turbo SE. J Comput Assist Tomogr 1998; 22(4):638– 642.			
Oto A, Ernst R, Ghulmiyyah L, Hughes D, Saade G, Chaljub G. The role of MR cholangiopancreatography in the evaluation of pregnant patients with acute pancreaticobiliary disease. Br J Radiol 2009; 82(976):279–285.	Review/Other– Dx	18 pregnant patients had MRCP; 15 patients evaluated with US	
Oto A, Ernst RD, Ghulmiyyah LM, et al. MR imaging in the triage of pregnant patients with acute abdominal and pelvic pain. Abdom Imaging 2009; 34(2):243–250.	Observational–Dx	18 pregnant patients	
Boland GW, Slater G, Lu DS, Eisenberg P, Lee MJ, Mueller PR. Prevalence and significance of gallbladder abnormalities seen on sonography in intensive care unit patients. AJR 2000; 174(4):973–977.	Observational– Dx	55 patients	
Puc MM, Tran HS, Wry PW, Ross SE. Ultrasound is not a useful screening tool for acute acalculous cholecystitis in critically ill trauma patients. Am Surg 2002; 68(1):65–69.	Observational– Dx	62 patients	
Ahvenjarvi L, Koivukangas V, Jartti A, et al. Diagnostic accuracy of computed tomography imaging of surgically treated acute acalculous cholecystitis in critically ill patients. J Trauma 2011; 70(1):183– 188.	Observational– Dx	127 patients	