



GAS PRODUCING INFECTIONS OF ABDOMEN AND PELVIS: A PICTORIAL REVIEW

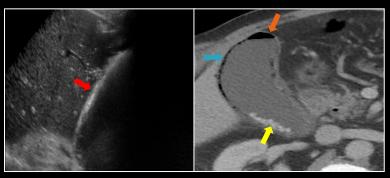
Mohammad Haroon , Yashmin Nisha, Sathiadoss Paul, Satheesh Krishna, Kashif Iqubal, Sabarish Narayansamy, Abhishek Jha, Gaurav Raj, Adnan Sheikh

Goals and Objectives: Recognize the imaging features of the spectrum of various commonly encountered emphysematous infections of the abdomen and pelvis and their mimics

Target audience: Residents, Fellows, Emergency Radiologists and Physicians.

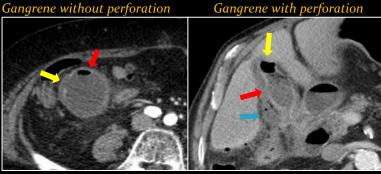
Disclosure: None of the authors or their immediate family members have a financial relationship with a commercial organization that may have direct or indirect interest in the content

EMPHYSEMATOUS CHOLECYSTITIS



Intramural gas, Intraluminal gas, calculi

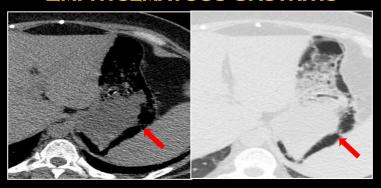
Gangrene without perforation



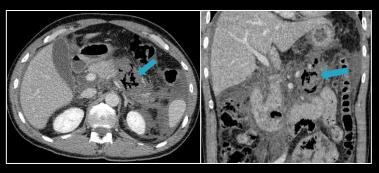
Gangrenous area Intraluminal air locule

Intraluminal air locule Pericholecystic collection

EMPHYSEMATOUS GASTRITIS



EMPHYSEMATOUS PANCREATITIS



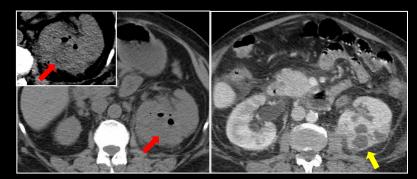
Air with in the necrosed pancreas

EMPHYSEMATOUS PYELONEPHRITIS



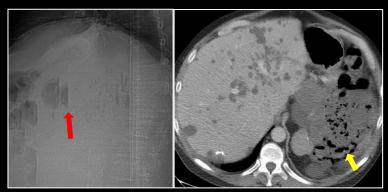
Emphysematous infection of renal cyst

Type I Emphysematous PN: Streaky mottled gas collection



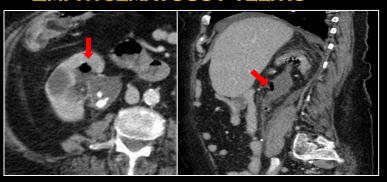
Type II Emphysematous PN: Gas with collections, abscesses

EMPHYSEMATOUS PYELONEPHRITIS



Emphysematous PN in ADPKD: Air-fluid levels, Gas locules in cysts

EMPHYSEMATOUS PYELITIS



Emphysematous Pyelitis: Gas in collecting system

EMPHYSEMATOUS CYSTITIS

Intraluminal, intramural, extravesical gas

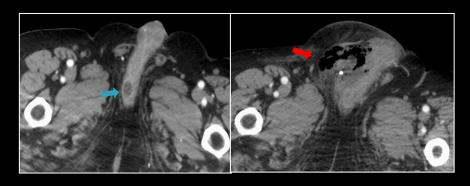


Intraluminal, intramural gas, gas containing collection in cul de sac with extravesical gas

FOURNIER GANGRENE (FG)

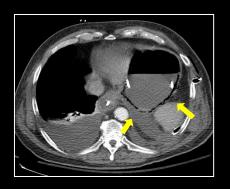


Vulval and perineal involovement, Post debridement

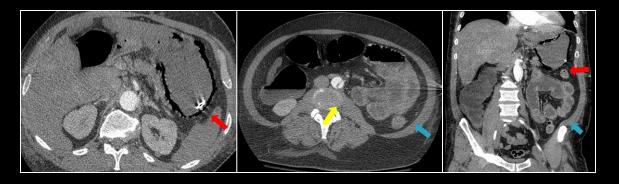


Penile root abscess & evolution into FG

MIMICS



Benign Gastric Emphysema



Ischemic gastric pneumatosis, Ischemic bowels, Dissection flap

SUGGESTED READING: Grayson DE, Abbott RM, Levy AD, Sherman PM. Emphysematous Infections of the Abdomen and Pelvis: A Pictorial Review. Radiographics. 2002 May-Jun;22(3):543-61.

Mohammad Haroon Clinical Fellow, The Ottawa Hospital, University of Ottawa, 501, Smyth Road, Ottawa, K1H 8L6 Email: haroon.radiology@gmail.com