

ACUTE INFLAMMATORY KIDNEY LESIONS: CURRENT AND PARTICULAR ASPECTS IN COMPUTED TOMOGRAPHY EVALUATION

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Abstract. *Diagnosis of renal and urinary tract infections, in adults, is typically based on characteristic clinical features and abnormal laboratory values. Imaging is usually used for patients who do not respond to therapy and for those whose clinical presentation is atypical. When urinary tract infection migrates to the kidney a tubulointerstitial inflammatory reaction ensues, involving the renal pelvis and parenchyma. Complicated and uncomplicated acute pyelonephritis, pyonephrosis and xanthogranulomatous pyelonephritis, are all acute urinary tract infections for which computer tomography evaluation adds diagnostic information important for patient care.*

Keywords: urinary tract infections, diagnosis, computer tomography evaluation

Rezumat. *Diagnosticul infecțiilor renale și ale tractului urinar superior se bazează pe examenul clinic și de laborator. Imagistica este utilă la pacienții la care simptomatologia nu se ameliorează în urma tratamentului aplicat sau în cazurile atipice. Infecțiile tractului urinar superior migrează la nivelul sistemului pielocaliceal, iar de aici în parenchimul renal ducând la apariția pielonefritei, pionefrozei sau a pielonefritei xantogranulomatoase, entități în care evaluarea computer tomografică este esențială pentru diagnostic în vederea unui bilanț preterapeutic complet.*

Cuvinte-cheie: infecțiile tractului urinar, diagnostic, tomografie computerizată

Introduction

The kidney is a potential target for a variety of inflammatory conditions, which can be divided into two large categories: glomerulonephritis and interstitial nephritis. Because computer tomography plays a very limited role in patients with glomerulonephritis and noninfectious interstitial nephritis, these entities are not discussed. Causes of interstitial nephritis that are related to bacterial infection

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