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³ Direct Radionuclide cystography-DRNC



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**Combining of radiocontrast cystourethrography with radionuclide cystography for
detection of elusive vesicoureteral reflux in children**

Introduction: Vesicoureteral reflux (VUR) is an important risk factor in childhood urinary tract infection and its sequelae. Radiocontrast cystourethrography (standard VCUG) or radionuclide cystography (DRNC) is necessary for detection of VUR, although they may miss VUR. Some patients with strong clinical and sonographic suspicion of VUR may show normal cystogram. Combination of two studies in these patients may detect VUR.

Methods: Twenty three patients with high suspicion to VUR but with normal cystogram (14 standard VCUG, 9 DRNC) were subjected to cystography different from the previous one .

Results: VUR was showed in 6 and 3 cases (totally 9 cases) respectively.

Conclusion: combining standard VCUG with DRNC in selected patients may enhance the predictive value for diagnosis of VUR higher than one of them alone.

Key words : vesicoureteral reflux , Radionuclidecystography , voiding cystourethrography , urinary tract infections