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Role of Blue Light Cystoscopy in Detecting Invasive Bladder Tumor: Data from Multi-institutional Registry

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Objective
• To assess the role of blue light cystoscopy (BLC) in detecting invasive bladder tumor

Methods
• Prospective multi-institutional registry
• White light negative/Blue light positive (WL-/BL+) invasive (≥ pT1) lesions were identified

Results
• 55 WL-/BL+ invasive lesions (47 patients) (48 pT1, 7 pT2)
  • 7% of all WL-/BL+ lesions (Fig. 1a)
  • 11% of all invasive lesions (Fig. 1b)
• 32 patients with complete follow up
  • 22 (67%) underwent radical cystectomy
  • 11/22 (50%) with pathologic upstaging
  • 4/22 (18%) with node positive disease

Conclusions
• Our findings suggest an additional benefit of BLC with implication of treatment approach