

THE ROLE OF NARROW BAND IMAGING(NBI) CYSTOSCOPE FOR FEMALE OUT-PATIENT WITH URINARY FREQUENCY IN OFFICE UROLOGY

Hypothesis / aims of study

Urinary frequency is one of the most popular complains of female patients in office urology. The cause of frequency sometimes is not unclear. And then, many urologists suspect Interstitial Cystitis(IC/BPS). However, hydrodistension sometimes doesn't agree with patients. I usually perform cystoscopy with NBI. NBI cystoscope is imaging technology using 2 particular band(415nm and 540nm) to make the contrast tissue and vascular. To clarify the role of NBI cystoscope for female urinary frequency patients is final objectives.

Study design, materials and methods

Materials were 62 cases who complain urinary frequency from October 2014 to October 2015. About these patients, the cause of frequency weren't unclear. And then, anti- cholinergic drugs weren't effective. Cystoscopy with NBI was performed for these patients.

Results

In 8 of 62 cases, the changes were found on bladder mucosa. Final diagnosis of 7cases were that 4 were bladder cancer(3 papillary and one carcinoma in situ), 3 were IC/BPS and one was cystitis cystica.

Interpretation of results

In 3 IC/BPS and CIS cases, changes of mucosa and area of lesion[redness, ulcer(Hunner's lesion) , proliferation of blood vessels] were clearer and more exact than regular light. This result wasn't useful for only diagnosis but also hydrodistension and TURBT.

Concluding message

NBI cystoscopy is useful for diagnosis of urinary frequency female patient.

Disclosures

Funding: none **Clinical Trial:** No **Subjects:** HUMAN **Ethics Committee:** Toshihiro Tanzawa MD Yutaka Tamura MD Ryuichi Takano Juichi Kurumagawa MD Keiko Tmura (Lawyer) **Helsinki:** Yes **Informed Consent:** Yes