

ONCOLOGY 2 BLADDER CANCER
PGY 3 OBJECTIVES

MEDICAL EXPERT

<i>Basic Science Knowledge</i>	<p>Be able to describe the basic and clinical biological mechanism responsible for chemical carcinogenesis in the etiology of bladder cancer.</p> <p>To understand and describe the natural history and prognostic indicators of bladder cancer.</p> <p>Be able to describe and recognize the pathologic presentations of bladder cancer and upper tract urothelial tumors.</p> <p>Be able to describe the epidemiological aspects of bladder including etiology and risk factors.</p> <p>Have a basic understanding of the theories of the origin and the dissemination of transitional cell carcinoma.</p>
<i>Clinical Knowledge</i>	<p>Be able to describe and recognize the signs and symptoms of a patient presenting with a urothelial tumor.</p> <p>Be able to describe and order the appropriate diagnostic tests to make the diagnosis of a urothelial tumor.</p> <p>Be able to read and interpret the radiologic tests used to diagnose urothelial tract tumors (IVP, CT scan, U/S, retrograde pyelography)</p> <p>To understand the staging system for urothelial tumors.</p> <p>To be able to outline stage specific treatments for urothelial tumors</p> <p>To describe intravesical therapy options for urothelial tumors and their potential side effects</p> <p>To outline treatment options for invasive urothelial tumors and their potential side effects.</p> <p>To outline the side effects and potential complications of transurethral resection of bladder tumors, radical cystectomy, and urinary diversions.</p> <p>To outline chemotherapeutic options and survival outcomes for metastatic transitional cell carcinoma.</p> <p>To outline disease surveillance for stage specific urothelial tumors</p>
<i>Recognition and Management of Emergencies</i>	<p>Be able to describe the clinical scenarios that constitute an emergency in the patient with a urothelial tract tumor (clot retention, bilateral ureteral obstruction).</p> <p>Be able to manage patients in these situations.</p>
<i>Technical and Procedural Skills</i>	<p>Be able to perform cystoscopy and retrograde pyelography for the diagnosis and treatment of urothelial tumors</p> <p>Be able to perform bladder biopsy and fulguration of small urothelial tumors.</p> <p>Be able to perform diagnostic flexible ureteroscopy for the investigation of suspected urothelial tumors of the upper urinary tract.</p> <p>Be able to perform transurethral resection of small to medium urothelial tumors.</p> <p>Be able to perform laser ureteroscopic ablation of upper tract urothelial tumors.</p> <p>Be able to perform percutaneous ablative procedures for upper tract urothelial tumors.</p> <p>Be able to perform an extended pelvic lymph node dissection as part of a radical cystectomy in a male and female patient</p>

ONCOLOGY 2 BLADDER CANCER

PGY 3 OBJECTIVES

CONTINUED . . .

Specific Clinical Expectations Expected to attend two ambulatory clinics with Dr. Moore and Dr Jacobsen. The emphasis will be on the diagnosis, treatment and follow-up of patients with urothelial cancer.
Spend optional one half-day at the BCG clinic at the Cross Cancer Institute to observe and perform instillation of BCG to bladder cancer patients.

Revised September 2010

ONCOLOGY 2 BLADDER CANCER
PGY 4 AND PGY 5 OBJECTIVES

MEDICAL EXPERT

Basic Science Knowledge

Be able to describe the basic and clinical biological mechanism responsible for chemical carcinogenesis in the etiology of bladder cancer.
To understand and describe the natural history and prognostic indicators of bladder cancer.
Be able to describe and recognize the pathologic presentations of bladder cancer and upper tract urothelial tumors.
Be able to describe the epidemiological aspects of bladder including etiology and risk factors.
Have a basic understanding of the theories of the origin and the dissemination of transitional cell carcinoma.
Describe the basic and clinical biological mechanism responsible for chemical carcinogenesis in the etiology of bladder cancer.
Understand and describe the natural history and prognostic indicators of bladder cancer.
Describe and recognize the pathologic presentations of bladder cancer and upper tract urothelial tumors.
Be able to describe the epidemiological aspects of bladder including etiology and risk factors.
Have a basic understanding of the theories of the origin and the dissemination of transitional cell carcinoma.

Clinical Knowledge

Be able to describe and recognize the signs and symptoms of a patient presenting with a urothelial tumor.
Be able to describe and order the appropriate diagnostic tests to make the diagnosis of a urothelial tumor.
Be able to read and interpret the radiologic tests used to diagnose urothelial tract tumors (IVP, CT scan, U/S, retrograde pyelography)
To understand the staging system for urothelial tumors.
To be able to outline stage specific treatments for urothelial tumors
To describe intravesical therapy options for urothelial tumors and their potential side effects
To outline treatment options for invasive urothelial tumors and their potential side effects.
To outline the side effects and potential complications of transurethral resection of bladder tumors, radical cystectomy, and urinary diversions.
To outline chemotherapeutic options and survival outcomes for metastatic transitional cell carcinoma.
To outline disease surveillance for stage specific urothelial tumors
Describe and recognize the signs and symptoms of a patient presenting with a urothelial tumor.
Describe and order the appropriate diagnostic tests to make the diagnosis of a urothelial tumor.
Be able to read and interpret the radiologic tests used to diagnose urothelial tract tumors (IVP, CT scan, U/S, retrograde pyelography)
Understand the staging system for urothelial tumors.
Able to outline stage specific treatments for urothelial tumors

<i>Clinical Knowledge cont....</i>	Describe intravesical therapy options for urothelial tumors and their potential side effects Outline treatment options for invasive urothelial tumors and their potential side effects. Outline the side effects and potential complications of transurethral resection of bladder tumors, radical cystectomy, and urinary diversions. Outline chemotherapeutic options and survival outcomes for metastatic transitional cell carcinoma. Outline disease surveillance for stage specific urothelial tumors
<i>Recognition and Management of Emergencies</i>	Be able to describe the clinical scenarios that constitute an emergency in the patient with a urothelial tract tumor (clot retention, bilateral ureteral obstruction). Be able to manage patients in these situations. Be able to manage the acute intra-operative bleed that may occur during radical cystectomy.
<i>Technical and Procedural Skills</i>	Be able to perform diagnostic flexible ureteroscopy for the investigation of suspected urothelial tumors of the upper urinary tract. Be able to perform transurethral resection of urothelial tumors. Be able to perform laser ureteroscopic ablation of upper tract urothelial tumors. Be able to perform percutaneous ablative procedures for upper tract urothelial tumors. Be able to perform an extended pelvic lymph node dissection and radical cystectomy in a male and female patient Be able to perform urinary diversion
<i>Specific Clinical Expectations</i>	Expected to attend two ambulatory clinics with Dr. Moore and Dr Jacobsen. The emphasis will be on the diagnosis, treatment and follow-up of patients with urothelial cancer.
