Oncology Clinical Pathways Bladder Cancer (Urothelial Carcinoma Only)

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Bladder Cancer – Presumptive Conditions

VA automatically presumes that certain disabilities were caused by military service. This is because of the unique circumstances of a specific Veteran's military service. If a presumed condition is diagnosed in a Veteran within a certain group, they can be awarded disability compensation.

Vietnam Veterans – Agent Orange Exposure or Specified Locations

Bladder cancer

Atomic Veterans – Exposure to Ionizing Radiation

• Cancer of the urinary tract

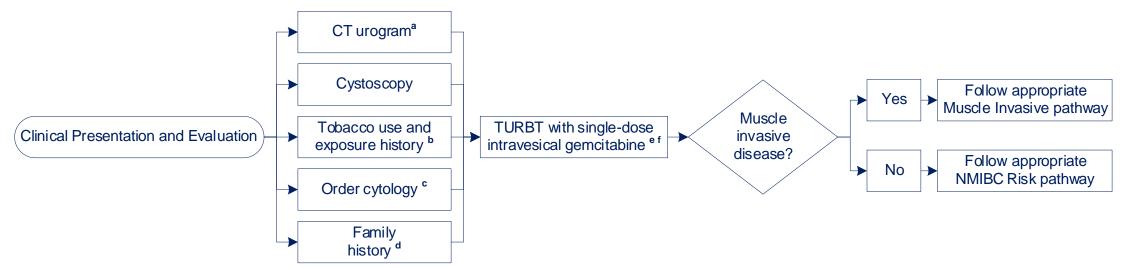
For more information, please visit U.S. Department of Veterans Affairs - Presumptive Disability Benefits (va.gov)







Bladder Cancer – Clinical Presentation and Evaluation



Clinical trial(s) always considered on pathway.

- ^a CT Urogram in patients unable to receive IV contrast, order alternative upper tract imaging
- ^b Exposure includes Agent Orange, burn pits, and other occupational/environmental toxins
- ^c Cytology order if results would change clinical management
- ^d Family History family or personal malignancy history, suspicion for Lynch syndrome, or age under 60 years
- * TURBT with EUA include blue-light cystoscopy if clinically appropriate
- f Intravesical Gemcitabine for known or presumed low grade

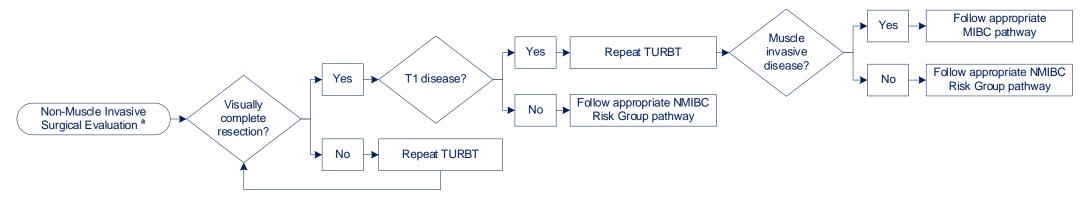
TURBT Transurethral Resection of Bladder Tumor **EUA** Exam Under Anesthesia







Bladder Cancer – Non-Muscle Invasive Surgical Evaluation



Clinical trial(s) always considered on pathway.

^a Variant Histology includes micropapillary, nested, plasmacytoid, neuroendrocrine, sarcomatoid, squamous or glandular predominant

TURBT Transurethral Resection of Bladder Tumor

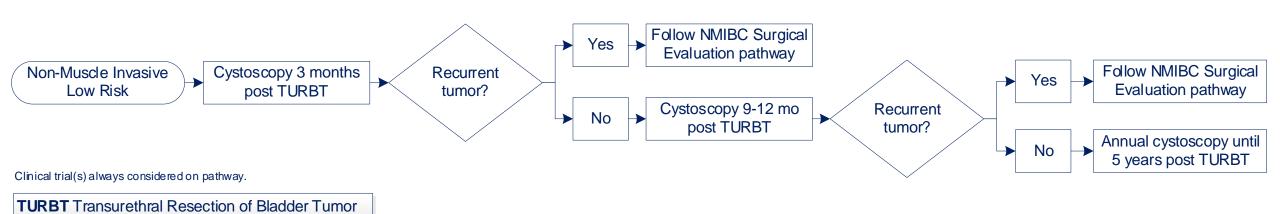
	Low Risk	Intermediate Risk	High Risk
•	Papillary urothelial neoplasm of low malignant potential	 Low grade urothelial carcinoma T1 or 	High grade urothelial carcinoma CIS or T1 or
	Or	 >3 cm or Multifocal or 	 >3 cm or Multifocal
•	Low grade urothelial carcinoma ■ Ta and	 Recurrence within 1 year Or 	Or
	 ≤3 cm and Solitary 	 High grade urothelial carcinoma Ta and <3 cm and Solitary 	 Very high risk features (any) BCG unresponsive Variant histologies ^a Lymphovascular invasion Prostatic urethral involvemen







Bladder Cancer – Non-Muscle Invasive Low Risk

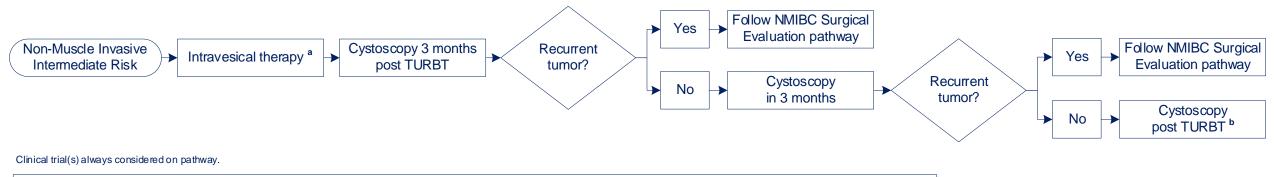








Bladder Cancer – Non-Muscle Invasive Intermediate Risk



^a Intravesical Therapy BCG weekly instillations for 6 weeks preferred for high grade disease; if low grade or not available, gemcitabine once a week for six weeks within 3-4 weeks of TURBT; BCG or gemcitabine maintenance should be continued for one year

^b Cystoscopy Post TURBT Schedule at Year 1: at 3, 6, and 12 months; Year 2: every 6 months; Years 3-4: every 12 months; Year 5 and Later: annually

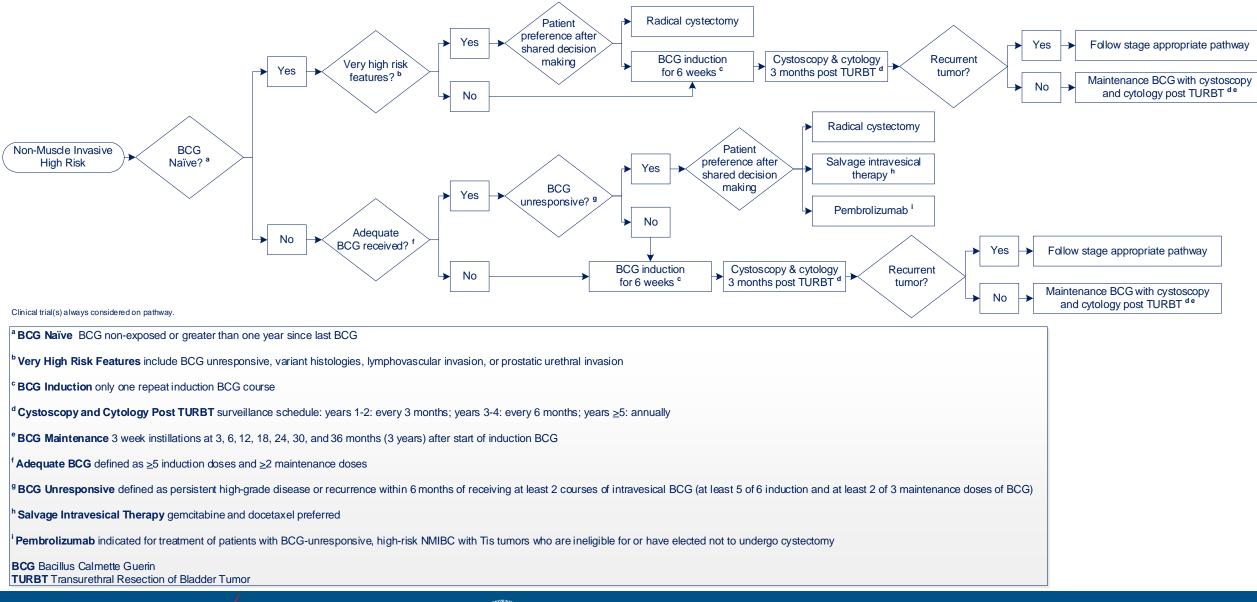
TURBT Transurethral Resection of Bladder Tumor







Bladder Cancer – Non-Muscle Invasive High Risk

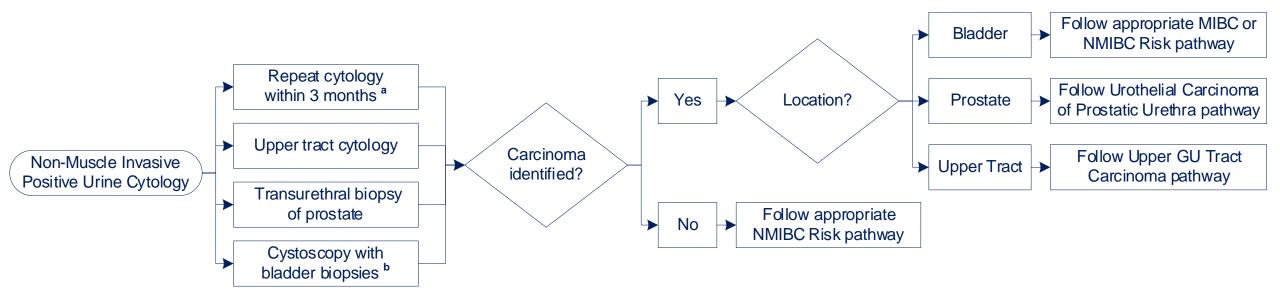








Bladder Cancer – Non-Muscle Invasive Positive Urine Cytology



Clinical trial(s) always considered on pathway.

^a Cytology review clinical history with cytopathologist

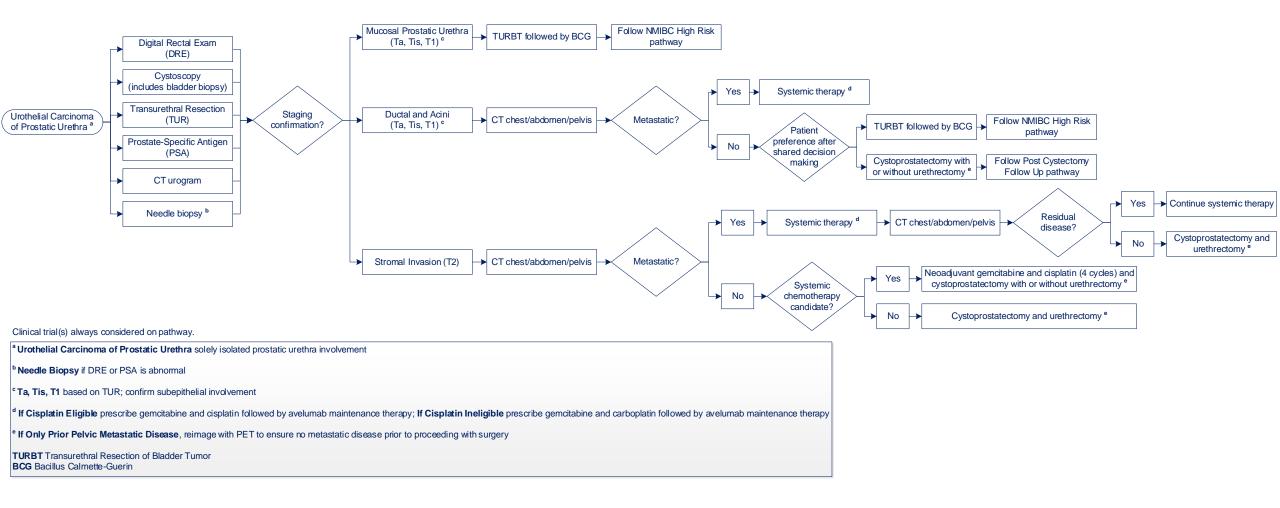
^b**Cystoscopy** use enhanced technology if available







Bladder Cancer – Urothelial Carcinoma of Prostatic Urethra

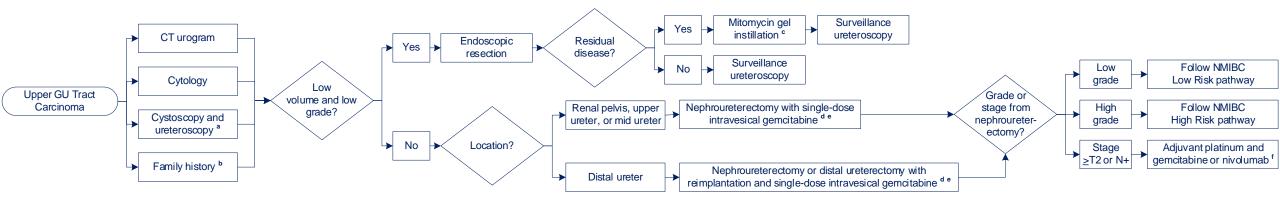








Bladder Cancer – Upper GU Tract Carcinoma



Clinical trial(s) always considered on pathway.

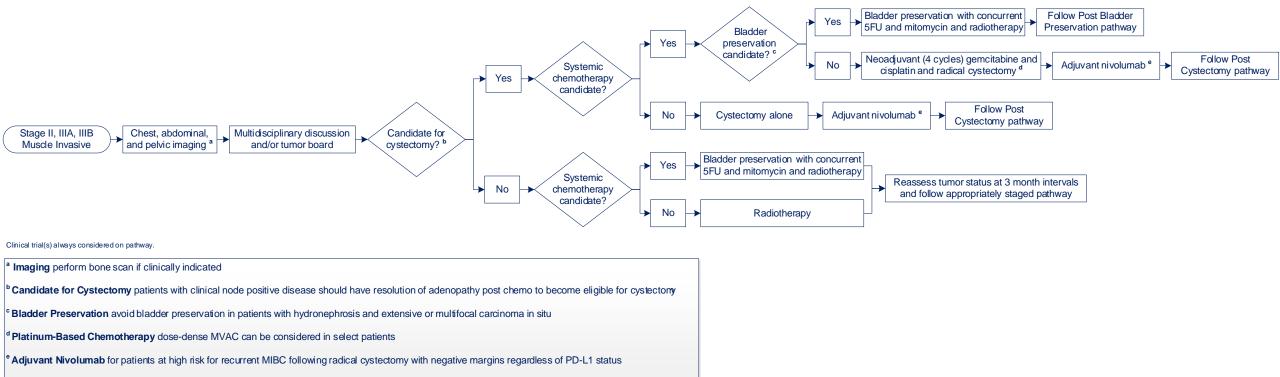
^a Cystoscopy and Ureteroscopy may include selective washing ± single-dose intravesical gemcitabine
^b Family History family or personal malignancy history, suspicion for Lynch syndrome; age under 60 years
^o Mitomycin Gel Instillation use for ureteral tumors is off-label
^d Consider Neoadjuvant Gemcitabine and Cisplatin for select high grade patients; consider Tumor Board discussion
^e For High Grade include regional lymphadenectomy
^f Adjuvant Therapy cisplatin if renal function allows; carboplatin if not a cisplatin candidate







Bladder Cancer – Stage II, IIIA, IIIB Muscle Invasive



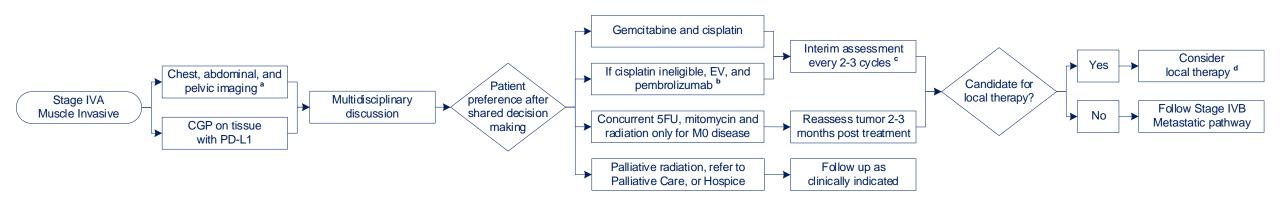
MVAC Methotrexate, Vinblastine, Doxorubicin, Cisplatin



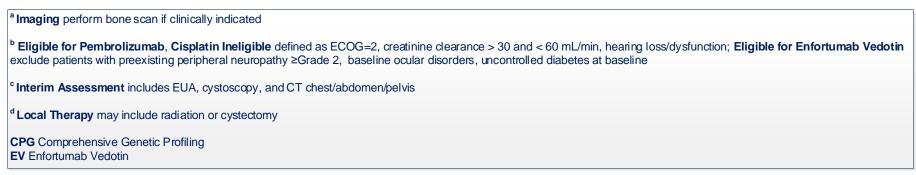




Bladder Cancer – Stage IVA Muscle Invasive



Clinical trial(s) always considered on pathway.

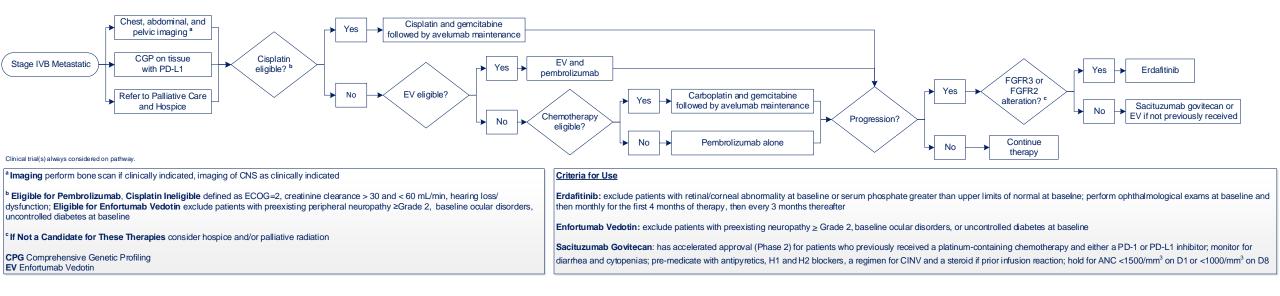








Bladder Cancer – Stage IVB Metastatic

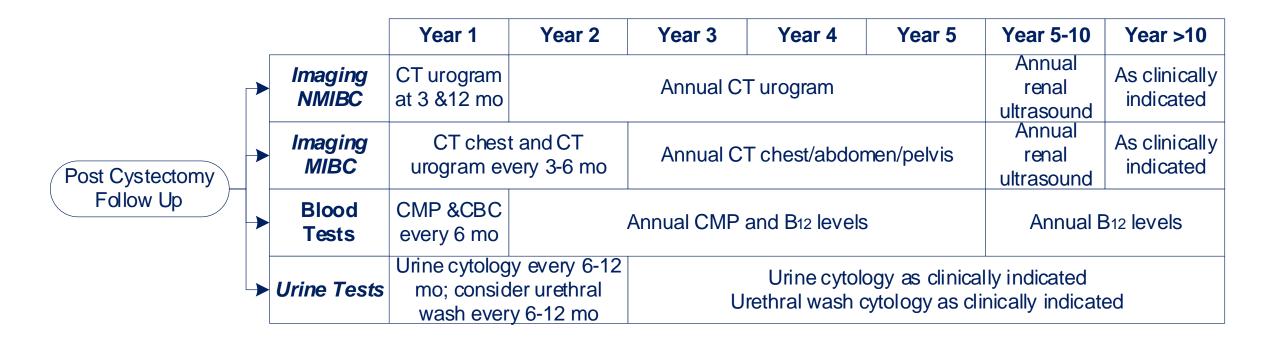








Bladder Cancer – Post Cystectomy Follow Up

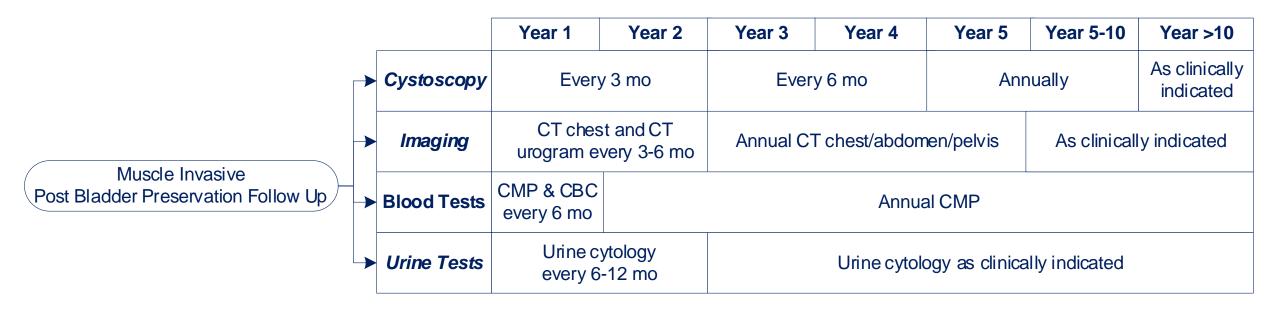








Bladder Cancer – Muscle Invasive Post Bladder Preservation Follow Up









Bladder Cancer – Molecular Testing Table

Eligibility	Test Category	Test Type	Recommended Vendors	NPOP Coverage	Specimen Type
Stage IVA Muscle Invasive	Somatic NGS	Comprehensive genomic profiling by solid biopsy (through NPOP preferred) or by liquid biopsy if there is insufficient tissue	Tempus Foundation Medicine	Yes Yes	Tumor Tissue, Blood
Urothelial Carcinoma/Bladder Cancer, Predominantly Urothelial	IHC	PD-L1 expression by IHC using 22C3 antibody (pembrolizumab), SP142 antibody (atezolizumab), 28-8 pharmDx antibody (nivolumab), SP263 antibody (durvalumab)	Tempus Foundation Medicine	Yes Yes	Tumor Tissue
	Somatic NGS	Comprehensive genomic profiling by solid biopsy (through NPOP preferred) or by liquid biopsy if there is insufficient tissue	Tempus Foundation Medicine	Yes Yes	Tumor Tissue, Blood
Stage IVB Metastatic Urothelial Carcinoma/Bladder Cancer	IHC	PD-L1 expression by IHC using 22C3 antibody (pembrolizumab), SP142 antibody (atezolizumab), 28-8 pharmDx antibody (nivolumab), SP263 antibody (durvalumab)	Tempus Foundation Medicine	Yes Yes	Tumor Tissue







Questions?

Contact VHAOncologyPathways@va.gov





