

MP82-20: URETERAL STENT PLACEMENT VS NEPHROSTOMY TUBE PLACEMENT PRIOR TO RADICAL CYSTECTOMY DOES NOT INCREASE POST-CYSTECTOMY UPPER TRACT UROTHELIAL CARCINOMA

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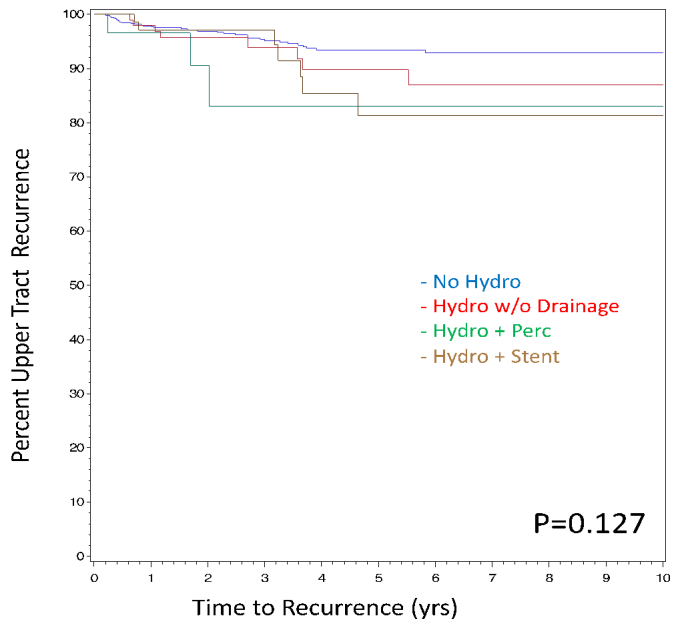
Introduction:

- Hydronephrosis prior to Radical Cystectomy variably treated with:
 - Observation vs Ureteral Stent vs Nephrostomy tube
- Ureteral stents hypothesized to increase Upper Tract recurrences

Methods and Cohorts:

- retrospective review of Radical Cystectomy 2000-2015 (N=1,049)
 - no hydronephrosis (75%, N=787)
 - hydronephrosis without upper tract drainage (13%, N=132)
 - hydronephrosis s/p nephrostomy tube (3%, N=36)
 - hydronephrosis treated with ureteral stent (9%, N=94)

Results: Upper Tract Recurrences after RCx



Multivariable* Cox Regression: UTUC

Group	Hazard Ratio	p-value
No Hydro	REF	REF
Hydro + Observe	1.31 (1.08-1.58)	p=0.01
Hydro + Perc tube	1.49 (1.06-2.09)	p=0.02
Hydro + stent	0.90 (1.06-2.09)	p=0.33

*adjusting for: age, comorbidities, pT stage, pN stage, neoadjuvant chemotherapy, intravesical chemo, CIS, LVI, margins, and year of surgery

Results: Ureteroenteric Complications

MV.* Cox Regression:	Stricture/Leak		Pyelonephritis	
Group	Hazard Ratio	p-value	Hazard Ratio	p-value
No Hydro	REF	REF	REF	REF
Hydro + Observe	1.87 (0.85-4.15)	p=0.12	1.12 (0.59-2.15)	p=0.73
Hydro + Perc tube	1.53 (0.31-7.52)	p=0.60	1.18 (0.35-4.01)	p=0.79
Hydro + stent	1.65 (0.61-4.41)	p=0.32	1.33 (0.66-2.71)	p=0.43

*adjusting for: age, comorbidities, pT stage, pN stage, neoadjuvant chemotherapy, intravesical chemo, CIS, LVI, margins, and year of surgery

Conclusions

- After accounting for hydronephrosis, ureteral stent placement for **did not** increase the risk of UTUC, ureteroenteric complications, or Pyelonephritis after cystectomy.
- Data does not support preferential use of either percutaneous nephrostomy tube placement or ureteral stent placement for hydronephrosis prior to radical cystectomy.