Bladder Trauma Data Collection Sheet

If there was no traumatic injury with **PENETRATION** of the bladder **DO NOT** proceed

Date of injury:/ Time of injury:	//					
Date of hospital arriv Time of hospital arri		//				
Age: Sex: M	[F	Height:	Weight:	BMI:		
Date of discharge: Discharge status: D	EAD	ALIVE				
ICU length of stay (i	f knov	wn):				
Comorbidities: Dial Alcohol COPD	ism		noker Hx	vascular disease of MI (last 6 mo		Drug abuse estive heart failure
	C A Bh	Auto vs. Ped ant assault	Other MV Other		leight Bicyc	le (not hit by car)
Total ISS:		_				
AAST grade kidney Which kidney: R	•••					
Other Injuries: Pelvis fracture: Rectal: Small bowel: Colon: Renal: Liver: Ureter: Spleen: Pancreas: Spinal Cord:	Y Y Y Y Y Y Y Y Y	N AAST N AAST N AAST	Г grade: Г grade: Г grade: Г grade: Г grade: Г grade:			
Major vascular: Aor Femora		IVC Iliad Femoral		artery Renal : rium rupture	artery – R L	Renal vein – R L
	л п					

ER disposition: Dead Trauma ward ICU Immediate OR

Lapartomy: Y N
Date of 1 st laparotomy://
Time of 1 st laparotomy:
Was the abdomen left open: Y N
Date of final laparotomy://
There store V N
Thoractomy: Y N
Date of 1 st thoractomy:/
Angie graphy V N
Angiography: Y N Date of angiography:/
Time of Angiography:
Was stenting or angioembolization done: Y N
Embolization: Internal iliac complete – R L External iliac – R L Branch of internal iliac – R L
Renal artery complete – R L Renal artery selective – R L Perinephric artery
Other
Stent: Iliac artery – R L Renal artery – R L Other
REPEAT Angiography: Y N
Date of angiography:/
Time of Angiography:
Was stenting or angioembolization done: Y N
Embolization: Internal iliac complete – R L External iliac – R L Branch of internal iliac – R L
Donal artemy complete DI Danal artemy calactive DI Doninonhuic artemy
Renal artery complete – R L Renal artery selective – R L Perinephric artery
Other
Other
Other
Other Stent: Iliac artery – R L Renal artery – R L Other
Other Stent: Iliac artery – R L Renal artery – R L Other AAST bladder injury grade: Example 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10
Other Stent: Iliac artery – R L Renal artery – R L Other AAST bladder injury grade: AAST (OIS) I – bladder contusion (DO NOT ENTER PATIENT)
Other Stent: Iliac artery – R L Renal artery – R L Other <u>AAST bladder injury grade:</u> AAST (OIS) I – bladder contusion (DO NOT ENTER PATIENT) AAST (OIS) II – Extraperitoneal < 2 cm
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Procedure:			
Date of ortho procedure:	/	/	
Procedure:			
Date of ortho procedure:	/	/	
Procedure:			
Date of ortho procedure:	/	/	
Procedure:			

<u>Type of bladder injury:</u> Intraperitoneal Extraperitoneal Both intraperitoneal and extraperitoneal Unknown

How was the initial diagnosis of bladder injury made? Intraoperatively in first 24 hours CT trauma without dedicated cystogram phase CT cystogram Cystogram plain Cystoscopy Other

What was the reason the bladder was repaired in the first 4 days: Intraperitoneal injury Discovered during laparotomy and repaired Urine was not draining well Hematuria and blood clots were blocking catheter Repaired at the time of pelvic fixation to prevent contamination of pelvic hardware Concomitant rectal or bowel injury Other

Did conservative therapy fail if it was tried for > 4 days? Y N

Were follow up X-rays done to check if the bladder injury had healed? Y Ν X-rays follow up: **CT cystogram** Cystoscopy Cystogram Ultrasound None performed at facility None documented Other Was there persistent urine leak: Y Ν What was done to treat persistent leak: Bladder repair **Continued catheter Urinary diversion** Other

Were ADDITIONAL X-rays done to check if the bladder injury had healed? Y Ν X-rays follow up: **CT cystogram** Cystoscopy Cystogram None performed at Ultrasound facility None documented Other Was there persistent urine leak: Y Ν What was done to treat persistent leak: Bladder repair **Continued catheter** Urinary diversion Other

Date of removal of Foley catheter: ___/__/___ Was a suprapubic tube maintained: Y N Unknown

Was a bladder repair done initially or subsequently: **Y N**

Date of bladder repair:/		
Check all that apply:		
Suprapubic tube left		
Single layer closure of bladder		
Double layer closure of bladder		
	ilis muscle	Rectus muscle
Intraperitoneal injury		
Extraperitoneal injury		
Bladder neck injury		
Prostate injury		
Concomitant ureteral injury		
Was ANOTHER bladder repair needed: Y N		
Date of additional bladder repair://		
Check all that apply:		
Suprapubic tube left		
Single layer closure of bladder		
Double layer closure of bladder		
	ilis muscle	Rectus muscle
Intraperitoneal injury	mis musere	needus musere
Extraperitoneal injury		
Bladder neck injury		
Prostate injury		
Concomitant ureteral injury		
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Was there a urinary tract related complication: Y N		
Date of urinary tract complication://		
When did the complication occur: Initial hospitalization	During roodmi	ssion Managed outpatient
Date of readmission for urinary tract complication:/	U	ssion Manageu outpatient
Complications:	/	
UTI		
Pyelonephritis or urosepsis		
Peri-renal abscess		
Urinoma		
Persistent urinary extravasation Renal failure		
Soft tissue infection: Groin Perineum Pelvis	Lower abdome	
Obstruction of catheter from blood clots or other	Lower abuome	-11
	Other	
Urinary fistula: Bowel Skin, flank, abdominal wall	Other	
Urethral stenosis		
Incontinence		
Neurogenic bladder		
Other		
Was there polyis fronting complications. V		
Was there pelvic fracture complications: Y N		manalitia Other
Complications: Nonunion Pelvic hardware infection	Pelvic osteo	omyelitis Other
Management of complication:		
Bladder repair		
Pelvic washout		
Removal of pelvic hardware		

IV antibiotics > 1 week Routine oral antibiotics or IV < 1 week Dialysis Urethroplasty Soft tissue debridement Percutaneous drain Urinary diversion surgery Continued catheter (Foley or suprapubic) Other