IAI (lates abdominal laium) Ctudu.								
IAI (Intra-abdominal Injury) Study: ED Data Collection Form #1	Detient Ctemp Here:							
Complete this form: Prior to reviewing CT (if obtained)								
Data Source: faculty or fellow physician or NP, PA, or resident physician with faculty/fellow oversight	If No Patient S	 Stamp:						
l								
Name of faculty or fellow physician responsible for this patient	MR #:							
Please complete data sheet prior to reviewing CT (if obtained)								
I . Enrollment								
A. Inclusion Criteria								
Enroll patient (<18 years of age) if								
 Symptoms, signs and/or physical examination is suggestive of IAI for 		rso						
(chest/abdomen/back/pelvis) trauma of any mechanism (minor or s	,							
OR if <18 years of age and <u>ANY ONE</u> of the following criteri								
 Patient to undergo diagnostic testing/screening for blunt torso trauma (eg. laboratory testing to screen for IAI or chest and pelvic radiographs for trau 			aluate for IAI, or					
Decreased level of consciousness (GCS score < 15 or below age-a	-	•	th blunt torso trauma					
Blunt traumatic event with either of the following (regardless of the		ivioi) wii	in blant torso trauma.					
Extremity paralysis or,	moonamonny.							
Multiple non-adjacent long bone fractures (ex: tibia fracture and	d ulna fracture)							
Blunt torso trauma due to any of the following significant mechanism	•							
 Motor vehicle collision: high speed (≥ 40mph), ejection, or rollow 	ver							
 Automobile versus pedestrian/bicycle: automobile moderate to 	high speed (≥5	MPH)						
 Falls ≥ 20 feet in height 								
Crush injury to the torso								
Physical assault involving the abdomen								
B. Exclusion Criteria			•					
If you answer "YES" to any of these exclusion questions, the patient is excl	luded, otherwise	complet	e torm.					
Patient has sustained a traumatic mechanism but does not]Yes	٦						
<u> </u>		_	yes, Patient Excluded/Stop					
2. Age ≥ 18 years 3. > 24 hours since the traumatic event □	_	_	yes, Patient Excluded/Stop					
4. Penetrating abdominal trauma (must be a gunshot or stab wound)		_	yes, Patient Excluded/Stop yes, Patient Excluded/Stop					
5. Pre-existing Neurological disease impacting mental status	1165 L	וו טוור	yes, Fallent Excluded/Stop					
]Yes] No ⊩if	yes, Patient Excluded/Stop					
6. Patient transferred to ED from another facility with abdominal CT or			, 100 , 1 0.000 = 2.000 0.000					
]Yes]No If	yes, Patient Excluded/Stop					
7. Patient is pregnant]Yes □	☐No If	yes, Patient Excluded/Stop					
8. Patient has a documented IAI < 30 days prior to ED presentation]Yes	☐No If	yes, Patient Excluded/Stop					
If the nations mosts an evaluaion existerian places a	hook the on		viata avalusian					
If the patient meets an exclusion criterion, please c criterion box and deposit this form in the loc	-							
Please complete data sheet prior to reviewing	abdominal	CT (if	f CT is obtained)					
PLEASE PLACE COMPLETED FORMS IN THE	LOCKED DA	ATA C	OLLECTION BOX					
DEMEMBED TO DECIMED OF A DELAND	MITU INIT		ATION QUEET					
REMEMBER TO PROVIDE GUARDIAN \ \[\subseteq \text{Check this box if patient's } \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \								
Li Check this box it patients guar	i didiri reruses	, icich	none renew-up call.					

Patient Study ID Number:

]	-
Study#	Site #	Patient #

GENERAL INFORMATION

Number/Pager to Reach Guardian/Parent	Alternate Number/Pager for Guardian/Parent
(
Guardian/Parent principal language:	
☐ English	□ Russian
☐ Spanish	☐ Hmong
☐ Chinese	□ Other
Date of Injury	Estimated Time of Injury (24 hour clock, midnight = 00:00)
	: □ Unknown
(mm) (dd) (yyyy)	(hh) (mm)
Date of ED Triage	Approximate Time of ED Triage (24 hour clock)
	: Unknown
(mm) (dd) (yyyy)	(hh) (mm)
Date of Birth	Gender
	 ☐ Male ☐ Female
(mm) (dd) (yyyy)	
(IIIII) (dd) (yyyy)]
Race (if not stated, give best assessment)	<u>Ethnicity</u>
☐ American Indian or Alaskan Native	☐ Hispanic or Latino
Asian	☐ Non-Hispanic and Non-Latino
☐ Black or African American	☐ Unknown
☐ Native Hawaiian or Other Pacific Islander	
☐White	Approximate Weight
☐ Stated as Unknown	Approximate weight of the patient kilograms
☐ Other	☐ Actual weight ☐ Broselow weight
	☐ Parent estimate ☐ Clinician estimate

History							_	Study	#	Site #	Patient #	
Injury Mechanism: (select	only one I	nech	anism a	ınd ansı	wer	all appı	ropria	te su	b que	stions)		
Occupant in motor vehicle co	llision (MVC	;) → aı	nswer 1a-	1d below								
1a. If in MVC ($√$ all that apply).	☐ Ejected f	☐ Ejected from auto ☐ Rollover ☐ Death in same collision ☐ None of Thes								of These	Unkno	
1b. Speed of the MVC (patient's vehicle):	☐ Speed <	:20 mp	oh '	☐ Spee	d 20	- 40 mph	□ Spo	eed >4	0 mph Speed unkn			
1c. Was the patient restrained?	☐Yes→a	answei	r 1d	□No			□Un	Unknown				
1d. Type of restraint system:	Lap and harness	should	er	☐ Lap t	oelt c	only		Shoul	lder harr	ness only	•	
· a.· · ypo o.· · oa.· a oyoto	☐ Infant c	ar sea	t	Boos	ter c	ar seat		Unkn	own rest	traint sys	tem	
☐ Fall from an elevation → Estir	nate height in	feet:	□ <3ft			3-10 1	ft [□ > 1	0 ft	Unk	nown	
☐ Fall down stairs → Estimate n	umber of stair	s: [☐ 5 or les	s		☐ 6-15]	□ > 1	5	Unk	nown	
Pedestrian or bicyclist struc	k by moving	y vehic	cle → ans	wer 1e and	d 1f k	below						
1e. Speed of moving vehicle:			< 5 mph (pa	tient bump	ed)	☐ 5 - 20	mph [□ >2	0 mph	Spe	ed Unknov	
1f. Was patient run-over by movi	ing vehicle:		Yes			□ No		□Un	known			
☐ Bike collision or fall from bil	ke while ridi	ng → a	answer 1g	below								
1g. Did handlebars strike the abo	domen?	[□Yes □No			10			Unknown			
☐ Driver or passenger in moto	rcycle/ATV/ı	motori	zed scoo	ter collisi	on	1						
☐ Object struck abdomen			☐ Intenti	onal (Ass	ault)	☐ Acc	cidental			Jnknown	intentiona	
Unknown mechanism												
Other mechanism (describe):												
											_	
Historical examination (i	.e. comp	laints	s and s	vmptor	ns)							
(I	<u>пот осттр</u>			<i>,</i>	,							
 Is the patient preverbal (unable verbal skills, e.g. young age)? 		ate be	cause of li	mited		∃Yes		No				
Does patient complain of abdor pain?	minal	☐ Yes→ answer 2a and 2b				□No		☐ Unable to assess				
2a. Severity of abdominal p history:	ain by	☐ Mild (1 – 3) ☐ Mode				derate (4 – 6)		Severe (7 - 10)		0) 🗆	Unknown	
2b. Location of abdominal phistory:	pain by	□ Diffuse □				Localize	ed 🗆	Unknown				
3. Vomiting/retching (at any time	· I			Yes				Unknown				
Does patient complain of short breath/difficulty breathing?				s \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				☐ Unable to a		assess		
5. Does the patient have a distracting painful injury (injury causing significant pain that distracts the pareliable abdominal exam; ex: femur fracture, dislocal laceration, etc.)				atient from having a				□ No [☐ Unable to assess		

Patient Study ID Number:

						;	Study #	Site #	Patient #		
Ш	III. Mental Status										
1. During your patient assessment was the patient <i>intubated</i> ?											
	Eye Verbal			Moto	-						
□ 4 Spontaneous □ 5 Oriented (coos/babbles) □ 3 Verbal □ 4 Confused (irritable/cries) □ 2 Pain □ 3 Inappropriate words (cries to pain) □ 1 None □ 2 Incomprehensible sounds (moans) □ 1 None					□ 6 Follow commands (spontaneous movement) □ 5 Localizes pain (withdraws to touch) □ 4 Withdraws to pain □ 3 Abnormal flexure posturing □ 2 Abnormal extension posturing □ 1 None						
	5a. Aggregate GCS Score: IV. Physical Examination										
	yerear <u></u>										
1.	. What was the <i>initial</i> systolic blood Emergency Department?	pressure record	ded in the				/ mml	НG	Unknown		
2.	. What was the <i>initial</i> respiratory rate Emergency Department?	e recorded in the	е	_	/min			ated/BVM	Unknown		
3.	. What was the <i>initial</i> heart rate reco	rded in the Eme	rgency Dep	artme	ent?	be	ats/minut	е	Unknown		
<u>T</u>	horacic Examination- (includes a	anterior or poster	rior portions	s of cl	nest, inc	luding	back)				
4.	. Evidence of thoracic trauma	□Yes→a	answer 4a] No						
	4a. Select all abnormalities:	ma Abrasion	n 🗆 Ecchy	moses	s	ubcutan	eous air	Lacera	tion Other		
	4b. Were abnormalities primarily:	Anterior	chest		□Р	osterior	chest	Both			
5.	. Thoracic tenderness	☐Yes	□No				Unable to	o assess			
6.	Left costal margin tenderness (consi of tenderness to any of the ribs 7 - 12)	'	□No] Unable to	o assess				
7.	. Right costal margin tenderness (consists of tenderness to any of the ribs 7 - 12)	□Yes] No		Unable to	o assess			
8.	. Does the patient have absent/decrea sounds?	ased breath	Yes			□No		□Un	known		
9.	. Does the patient have any abnormal auscultation findings (rhonchi, crac	□Yes □			□No		known				

Patient Study ID Number:

Abdominal Examination							8	Study #	Site	# Patient #		
10. Evidence of abdominal wall traun	na (on visua	al ins	pectio	n)?	Y	es → an	swer 1	0a	□No	Unknown		
10a. Select all abnormalities:	☐ Erythe	ma Abrasion		ПЕ	☐ Ecchymosis		La	ceration	Other			
11. Is a seat belt sign present? (continuation across the abdomen second				contusion	, or	, or Yes			□No			
12. Does the patient have abdominal dis	tention?] Yes		□No			Unkno	wn		
13. Are bowel sounds absent?		□Y	'es		□No	□No			☐ Did not listen for bowel so			
14. Does the patient have abdominal tenderness on palpation ?		□ч	′es→ a	nswer 14	4a & 14	lb		No		nable to ssess		
14a. Degree of abdominal tendern If using 1 – 10 scale, use correlatir		🗆 r	Mild (1	- 3)	□ ма	oderate (4	-6)		Severe	e (7 - 10)		
14b. Location of abdominal tender (check the most appropriate			Diffuse			□Abo	ove th	e umb	oilicus			
`	,	□в	Below th	ne umbili	cus	□Pe	i-umb	ilical	□Ur	nknown		
15. Does the patient have peritoneal i (rebound or cough tenderness)?	irritation	□Y	′es		□No	□No□			Unable to assess			
16. Did the patient have blood (gross hemoccult +) on rectal examinat		□Yes		□No		Rectal exam			ot performed			
Flank & Pelvic Examination (Flank is defined as the area from the mid-	axillary line t	o the	spine a	and from	the low	ver ribs to	the pe	elvis)				
17. Does the patient have flank tende	rness?	□Yes				Ur	able t	o assess				
18. Does the patient have pelvic bone tenderness on palpation?)	☐ Yes→ answer 18			Ва 🗆] No	☐ Unable to assess					
18a. Check all locations that are	tender:	☐ Anterior superior			iliac cı	rests	☐ Superior pubis					
		□Ir	Inferior pubis		☐ SI joints		nts		□Un	Unknown		
19. Is the pelvis <i>unstable</i> to lateral or vertical compression?			□Yes		□No				□Unl	Unknown		
Other Exam Findings												
20. Do you think that the patient has an injury that wil abdominal surgery (orthopedic fracture, complerepair, repair of facial fracture, etc.) within the new patient has an injury that will be abdominal surgery (orthopedic fracture, complete fracture).				omplex laceration		□Yes	□Yes		□No	Unsure		
21. Was a urine dipstick obtained:	Yes			□No								
21a. Results of dipstick:	☐ Positive f	sitive for blood			☐ Negative for blood				Results unknown			

Patient Study ID Number:

						St	udy#	Site	# Patient #
Suspicion of Intra-abdominal Injury	(IA	<u>l)</u> (Regard	dless v	wheth	er or	not C	CT obta	ainec	()
22. Clinical suspicion for the presence of IAI identified on CT (regardless of whether a CT scan is obtained):		<1%	☐ 1-5%	6	☐ 6-1	0%	☐ 11-5	50%	□ >50%
23. Clinical suspicion for IAI in need of acute intervention* (regardless of whether a CT scan is obtained):		<1%	☐ 1-5%	6	☐ 6-1	0%	11-5	50%	□ >50%
*Acute intervention defined by: laparotomy, angiographic embolization of bleeding organ or other vascular structure, blood transfusion for abdominal hemorrhage, need for 2 or more nights of IV fluid hydration due to pancreatic or duodenal injury).									
24. Were you aware of any lab results at the time you recorded your suspicion? (hemoglobin, hematocrit, AST, ALT, lipase, amylase, OR urinalysis)									
Abdominal Imaging - Ultrasound									
25. Was an abdominal ultrasound obtained? ☐ Yes → <i>answer 25a & b</i> ☐ No ☐ Unknown									
25a. Was the data sheet completed before knowledge of abdominal ultrasound (ex. FAST) results?						5	□No		
25b. Was hemoperitoneum (fluid) seen on ultrasonography?		☐Yes					Results unclear		
Abdominal Imaging CT scan						-		-	
Abdominal Imaging – CT scan									
26. Was an abdominal CT obtained?		☐ Yes →	answer 2	6a	□No		Unkı	nown	
26a. If abdominal CT was obtained, was thi before knowledge of the CT results?	s de	ata sheet co	mpleted		Yes	3	□No		
27. What factors were used in making the de	cisi	on to obtai	n an ab	domina	I CT?	→ che	ck all th	nat ap	ply
☐ Young age		Abdomin	al cleara	nce prio	r to non	-abdon	ninal surg	jery	
☐ Severe mechanism of injury		☐ Low herr	atocrit						
☐ Lower rib injury	☐ Declining/drop in serial hematocrit measurements								
☐ Hemodynamic instability	☐ Elevated AST or ALT								
☐ Decreased Mental status	☐ Elevated amylase/lipase								
☐ Flank tenderness	☐ Microscopic hematuria								
☐ Femur fracture	☐ Gross hematuria								
Abnormal abdominal examination	ormal abdominal examination								
☐ Trauma Surgery Request ☐ Other (describe)									_
28. Was the patient Hospitalized (ICU, OR, wa	ard,	etc.) ?		□Yes	,	□No		□u	nknown

REMEMBER TO PROVIDE GUARDIAN WITH INFORMATION SHEET.

PLEASE PLACE COMPLETED FORM IN LOCKED COLLECTION BOX!!

Patient Study ID Number: