# MDAnderson Cancer Center Making Cancer History<sup>\*</sup> Triage, Stabilization and Transfer Process for Individuals with Trauma

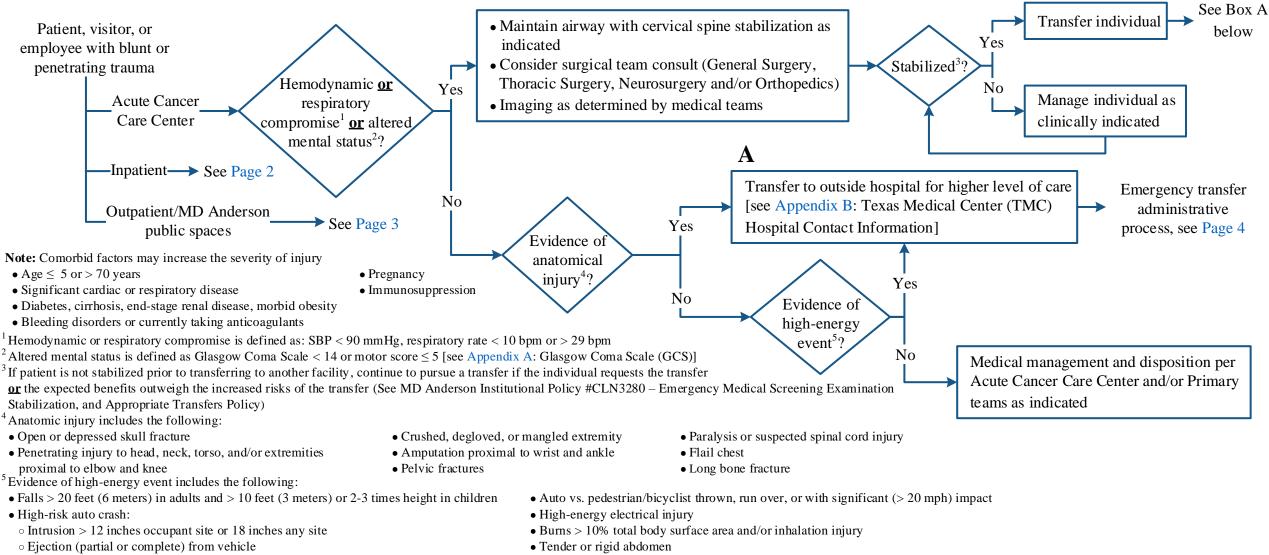
Disclaimer: This algorithm has been developed for MD Anderson using a multidisciplinary approach considering circumstances particular to MD Anderson's specific patient population, services and structure, and clinical information. This is not intended to replace the independent medical or professional judgment of physicians or other health care providers in the context of individual clinical circumstances to determine a patient's care.

DISPOSITION

Note: For emergencies occurring on MD Anderson campus locations not supported by the Code Blue Team, contact 911 (Code Blue Team vs. 911 Response Map)

### PRESENTATION AND ASSESSMENT

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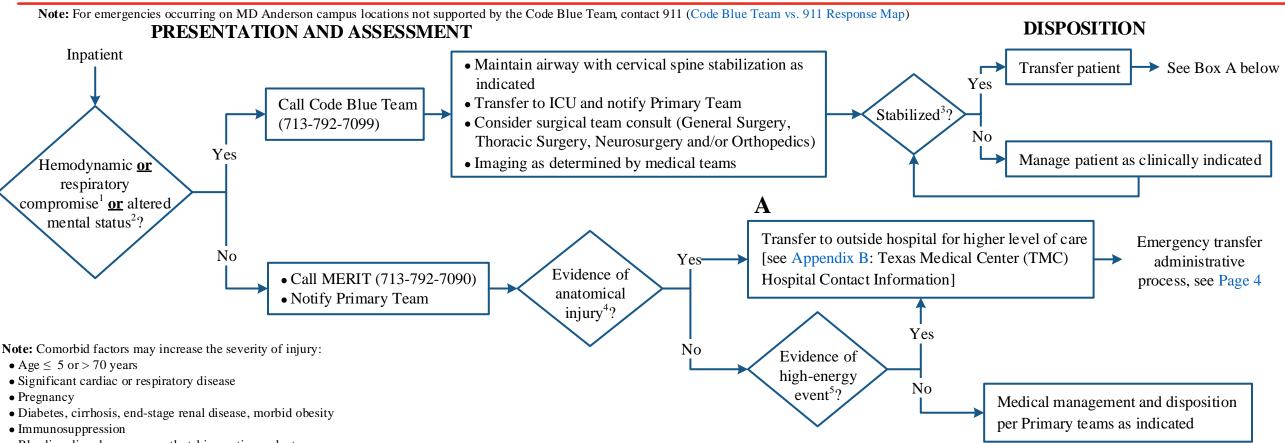
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• Death in same passenger compartment

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• Bleeding disorders or currently taking anticoagulants

<sup>1</sup>Hemodynamic or respiratory compromise is defined as: SBP < 90 mmHg, respiratory rate < 10 bpm or > 29 bpm

<sup>2</sup> Altered mental status is defined as Glasgow Coma Scale < 14 or motor score  $\leq$  5 [see Appendix A: Glasgow Coma Scale (GCS)] <sup>3</sup> If patient is not stabilized prior to transferring to another facility, continue to pursue a transfer if the individual requests the transfer **or** the expected benefits outweigh the increased risks of the transfer (See MD Anderson Institutional Policy #CLN3280 – Emergency Medical Screening Examination Stabilization, and Appropriate Transfers Policy)

- <sup>4</sup>Anatomic injury includes the following:
- Open or depressed skull fracture
- Penetrating injury to head, neck, torso, and/or extremities proximal to elbow and knee
- Flail chest Long bone fracture

- Crushed, degloved, or mangled extremity
- Amputation proximal to wrist and ankle
- Pelvic fractures
- Paralysis or suspected spinal cord injury

<sup>5</sup>Evidence of high-energy event includes the following:

- Falls > 20 feet (6 meters) in adults and > 10 feet (3 meters) or 2-3 times height in children
- High-risk auto crash:
- $\circ$  Intrusion > 12 inches occupant site or 18 inches any site
- Ejection (partial or complete) from vehicle
- Death in same passenger compartment
- Auto vs. pedestrian/bicyclist thrown, run over, or with significant (> 20 mph) impact
- High-energy electrical injury
- $\bullet$  Burns > 10% total body surface area and/or inhalation injury
- Tender or rigid abdomen

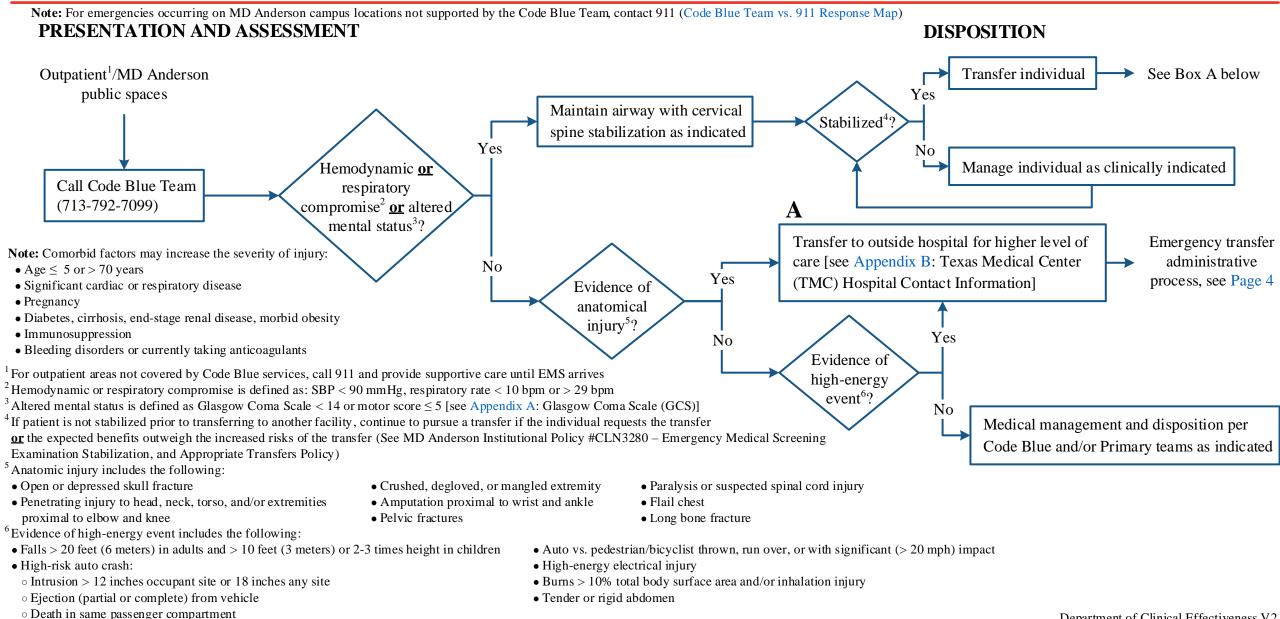
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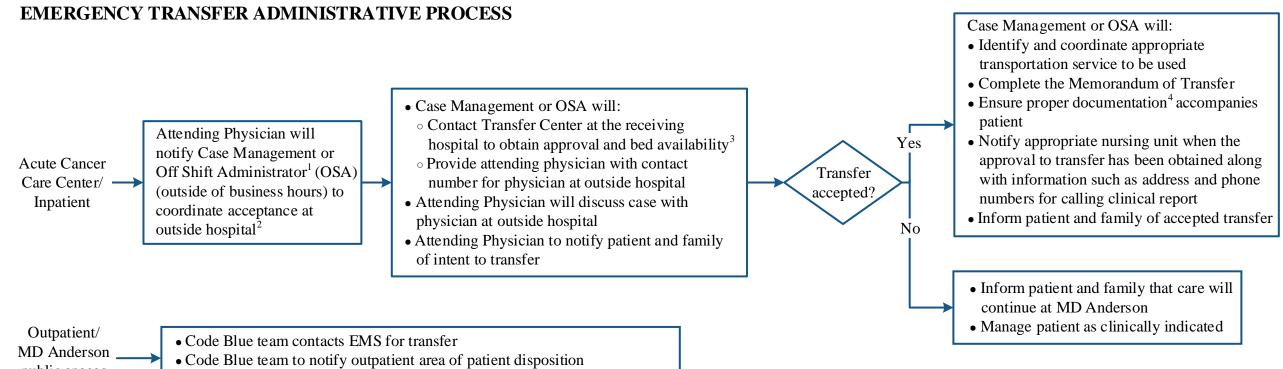
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Page 3 of 7

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public spaces

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• Outpatient team to notify available family and primary team as appropriate

EMS = Emergency Medical Services

<sup>1</sup>Contact Case Management or OSA via operator

<sup>2</sup>Refer to MD Anderson Institutional Policy #CLN0614: Transfer of Patients to, from and Within MD Anderson Cancer Center Policy

<sup>3</sup>Discuss with Attending Physician regarding preference for receiving hospital based on clinical scenario. See Appendix B: Texas Medical Center (TMC) Hospital Contact Information. If transfer approval is not promptly obtained, Case Management to contact alternate hospitals to avoid delay.

<sup>4</sup>Documentation:

• "Face sheet"

• Medical records to include a current reconciled medication list and transfer orders per primary care team

• Others as appropriate

Page 4 of 7

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### **APPENDIX A: Glasgow Coma Scale (GCS)<sup>1</sup>**

Item	Description	Score
Eye Opening Response	Spontaneous	4
	To verbal stimuli, command, speech	3
	To pain only (not applied to face)	2
	No response	1
Verbal Response	Oriented	5
	Confused conversation, but able to answer questions	4
	Inappropriate words	3
	Incomprehensible speech	2
	No response	1
Motor Response	Obeys commands for movement	6
	Purposeful movement to painful stimulus	5
	Withdraws in response to pain	4
	Flexion in response to pain	3
	Extension in response to pain	2
	No response	1

#### <sup>1</sup>GCS is obtained by adding the score from each parameter

### **APPENDIX B: Texas Medical Center (TMC) Hospital Contact Information**

Memorial Hermann TMC		Ben Taub Hospital	
For Transfers:	Transfer Center (713) 704-2500	Transfer Center (713) 873-8601	

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# SUGGESTED READINGS

ATLS Algorithms. (2010). Retrieved from https://anesth.unboundmedicine.com/anesthesia/view/Pocket-ICU-Management/534159/all/ATLS\_Algorithms

- Galvagno, S. M., Nahmias, J. T., & Young, D. A. (2019). Advanced Trauma Life Support<sup>®</sup> update 2019: Management and applications for adults and special populations. *Anesthesiology* Clinics, 37(1), 13-32. doi:10.1016/j.anclin.2018.09.009
- MD Anderson Institutional Policy #CLN0614 Transfer of patients to, from and Within MD Anderson Cancer Center Policy
- MD Anderson Institutional Policy #CLN3280 Emergency Medical Screening Examination Stabilization, and Appropriate Transfers Policy
- NB Trauma Program. (2018). Trauma Transfer Guidelines. Retrieved from https://nbtrauma.ca/wp-content/uploads/2018/10/Trauma-Transfer-Guidelines-Aug-2018-bil.pdf

Southeast Texas Regional Advisory Council SETRAC (TSA Q). (2018). Emergency medical services/trauma system plan. Retrieved from https://www.setrac.org/wp-content/uploads/2017/09/Trauma-Plan-2018-revisions.pdf

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# MDAnderson Triage, Stabilization and Transfer Process for **Individuals with Trauma**

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# **DEVELOPMENT CREDITS**

This practice consensus statement is based on majority opinion of the Emergent Triage/Transfer Process workgroup experts at the University of Texas MD Anderson Cancer Center for the patient population. These experts included:

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<sup>T</sup>Core Development Team

Clinical Effectiveness Development Team