Operative Principles in AIR Transport

AIR IDAHO RESCUE

2016

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Outcomes

- At the conclusion of this presentation the learner will be able to:
  - Determine when to call for AIR transport
  - Determine when to call for a hot load
  - State safety related scene/landing zone principles
  - Explain Back Country patient packaging principles for a variety of scenarios
  - Discuss other hot loading specifics

PREPARING TO CALLING for HEMS

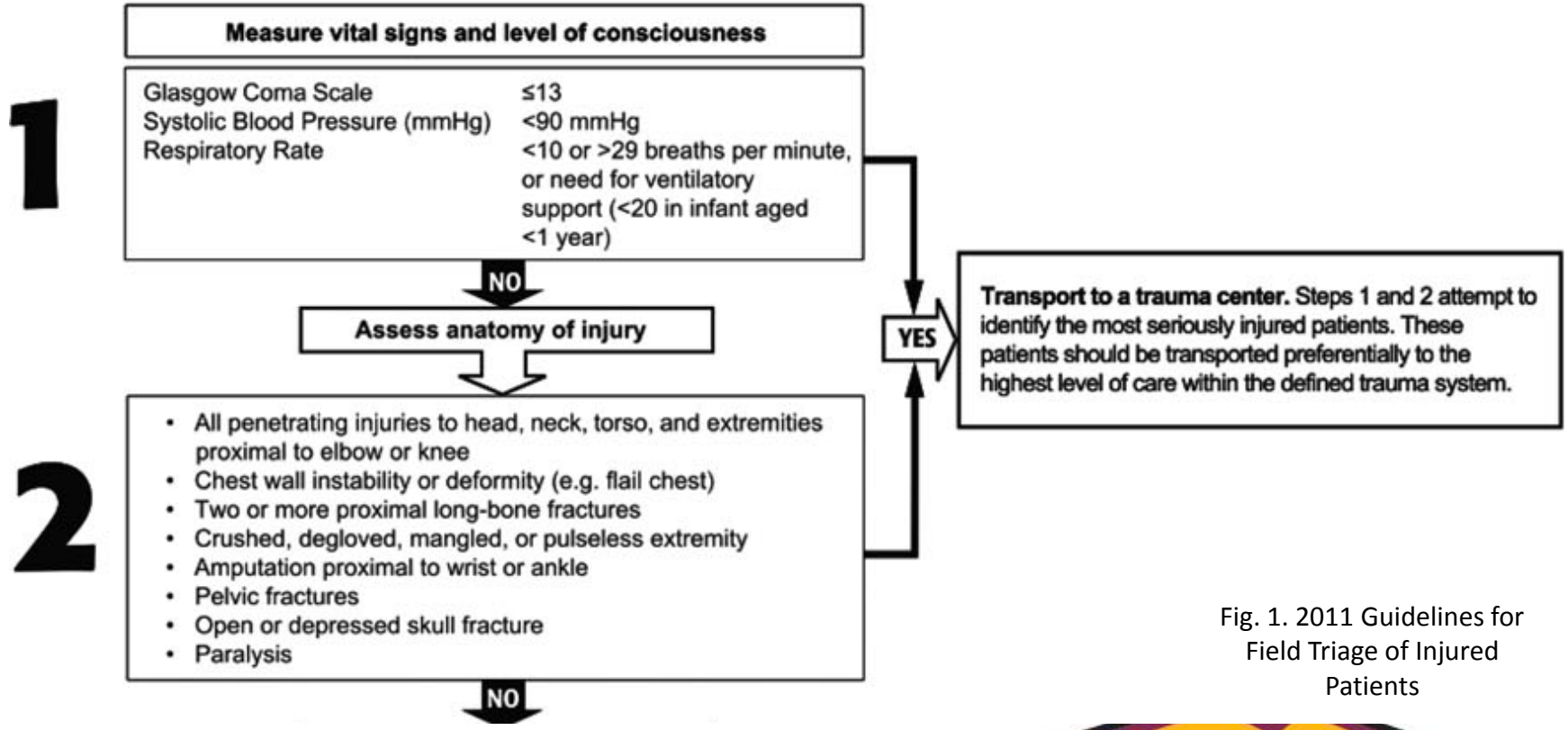

Fig. 1. 2011 Guidelines for Field Triage of Injured Patients

PREPARING TO CALLING for HEMS

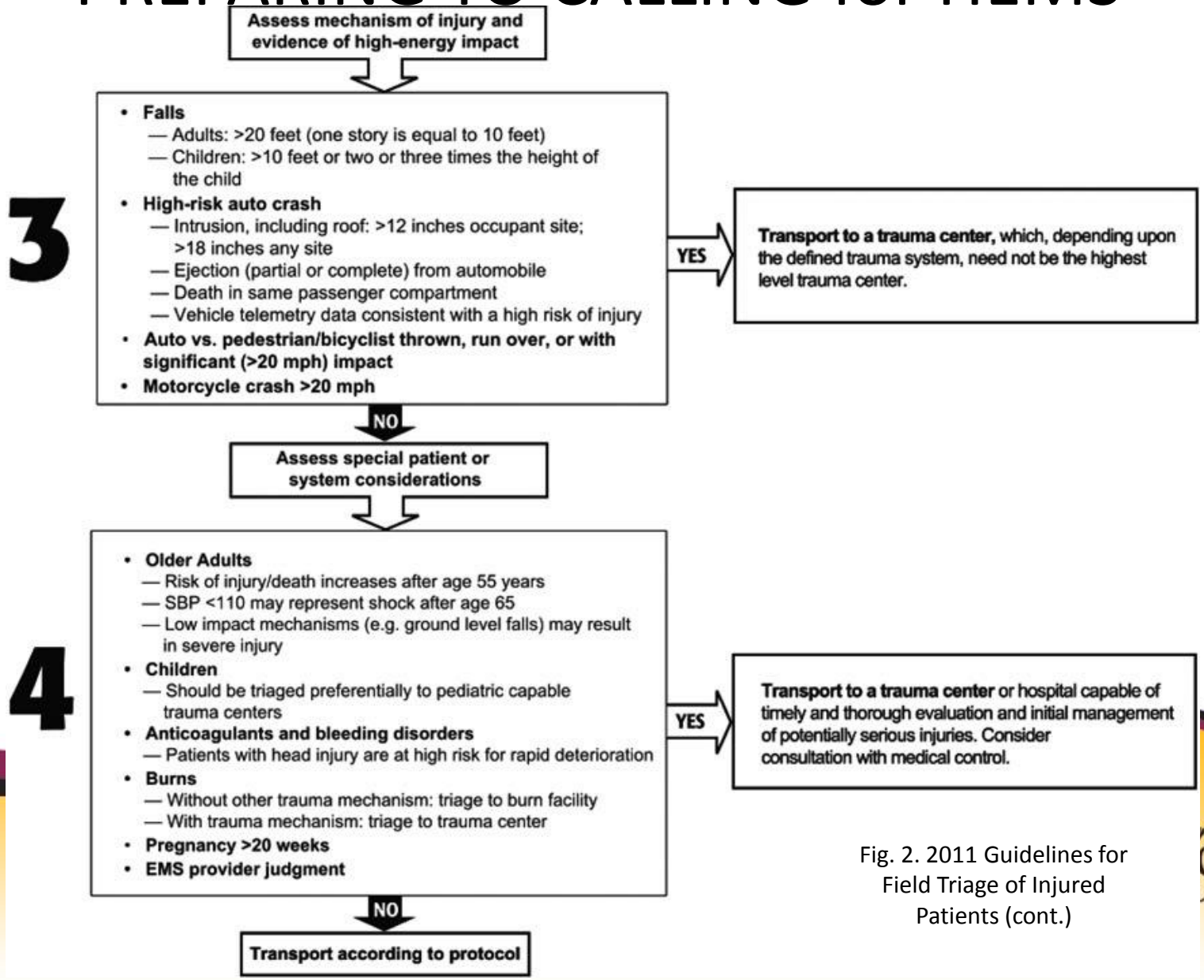

Fig. 2. 2011 Guidelines for Field Triage of Injured Patients (cont.)

CALLING for HEMS

Start here…

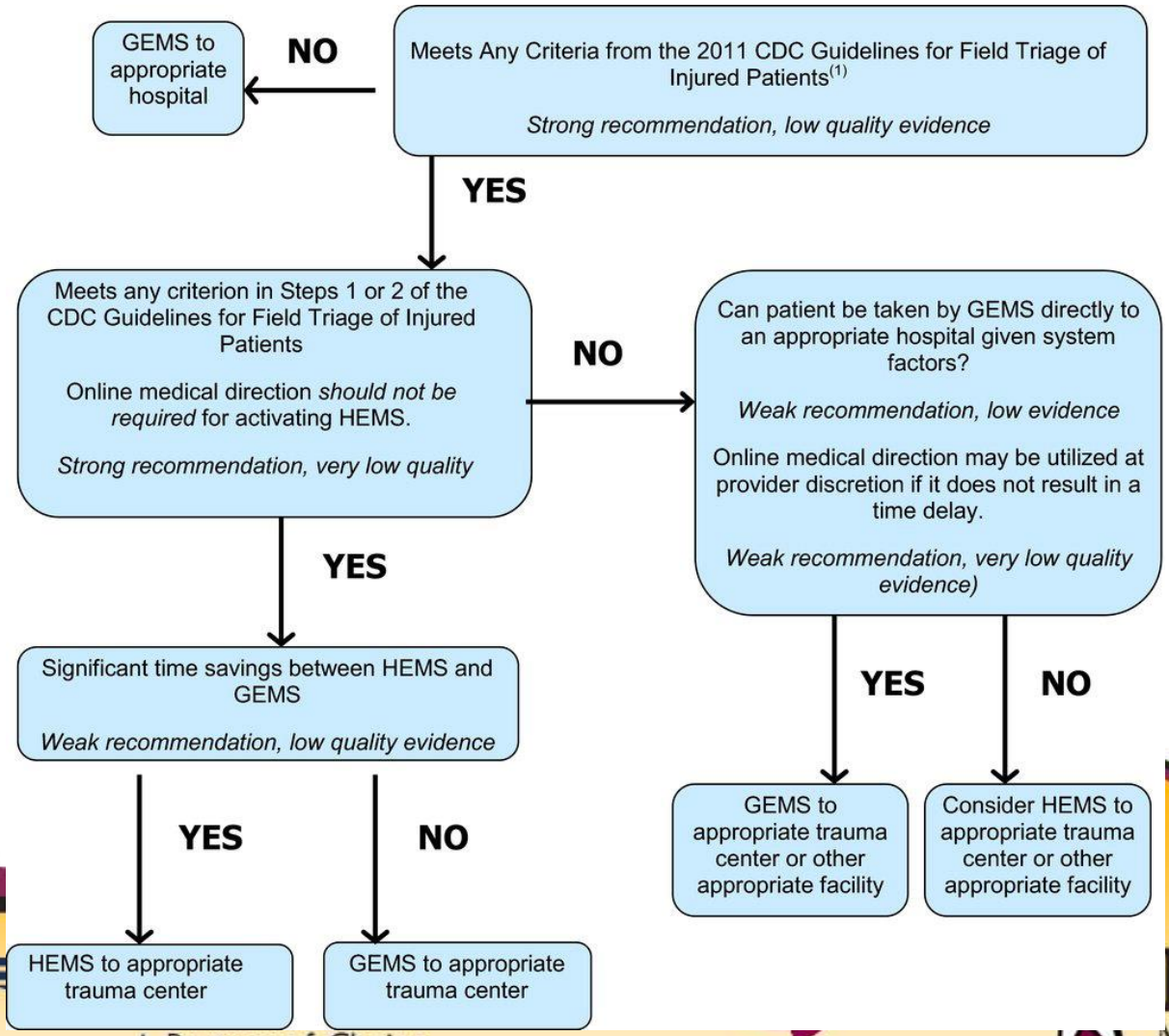

Figure 3. HEMS Evidence-based Guideline (with Trauma Center Designated).

Published in: Stephen H. Thomas; Kathleen M. Brown; Zoë J. Oliver; Daniel W. Spaite; Benjamin J. Lawner; Ritu Sahni; Tasmeen S. Weik; Yngve Falck-Ytter; Joseph L. Wright; Eddy S. Lang; *Prehospital Emergency Care* **2014,** 18, 35-44.
DOI: 10.3109/10903127.2013.844872

Other Reasons to Call for HEMS

- Reasons to call for a helicopter
  - 39% lower chance of death (Sullivent, Faul, & Wald, 2011)
  - FALTER acronym (Whitehead, 2013)

Other Reasons to Call for HEMS

- Decreased LOC – Airway obstruction – Respiratory Distress – Shock – Significant head injury (Thomas et. Al, 2014)

- Higher level of care than many ground units (equipment and expertise)

- ***YOUR judgement***

Calling for the Hot Load

- Patient subsets for whom to request a hot load
  - Time critical – where they *really* need what the hospital has to offer

Approaching the Helicopter Safely

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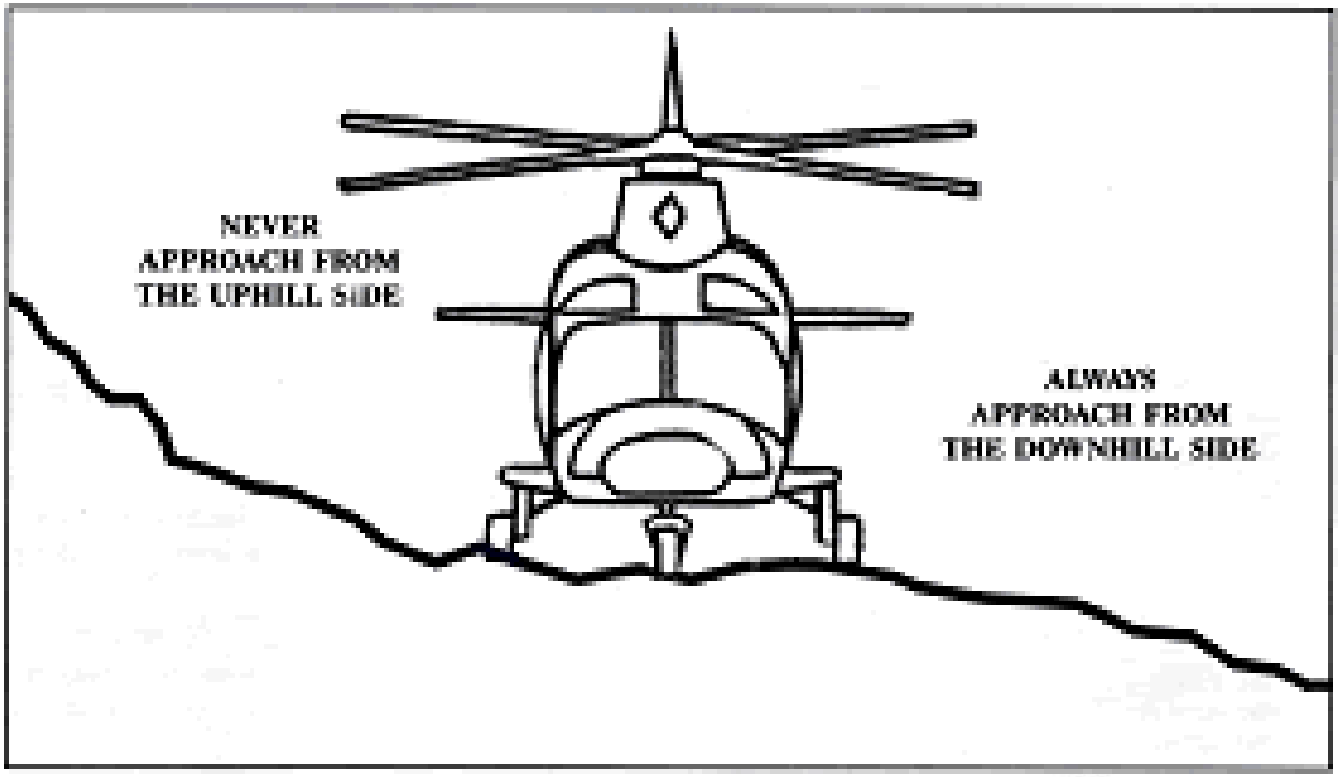

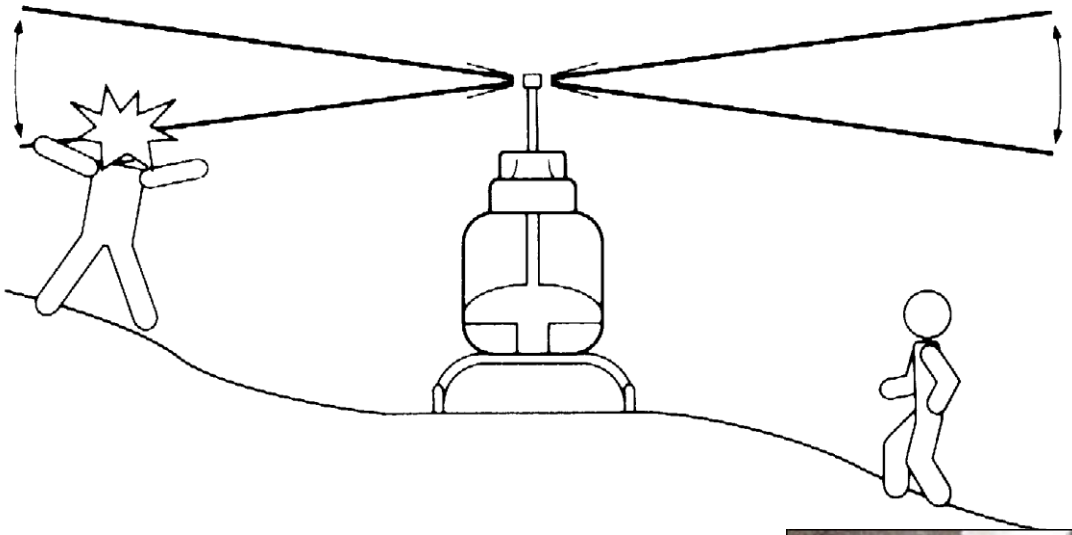

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http://media.kval.com/images/110721toe-in660.jpg

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http://www.tropicairkenya.com/wp-content/uploads/Heli_recsue_Nov13_1.jpg

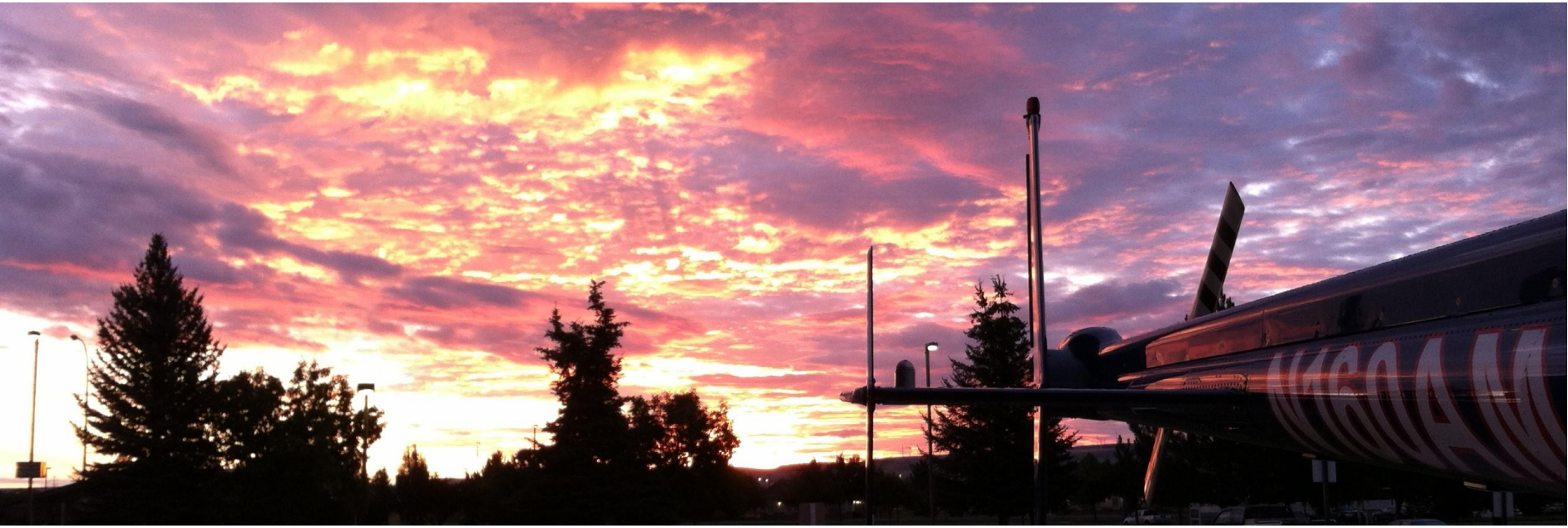
Scene/LZ Considerations

Moving the Patient

Moving the Patient

Moving the Patient

Loading the Patient



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References

Sullivent, E., Faul, M., Wald, M., (2011). Prehospital Emergency Care. Reduced mortality in injured adults transported by helicopter emergency medical services. vol. 15(3). p. 295, 298

Thomas, S., Brown, K., Oliver, Z., Spaite, D., Lawner, B., Sahni, R., Lang, E. (2014). *Prehospital Emergency Care.* An evidence-based guideline for the air medical transportation of prehospital trauma patients. vol. 18(1), p. 36-44

Whitehead, S., (2013). EMS1.com. How to decide when to call an air ambulance. Retrieved from: http://www.ems1.com/air-medical-transport/articles/1589630-How-to-decide-when-to-call-an-air-ambulance/