CONGRESSO NAZIONALE



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Technical Skills nella gestione del trauma: quali, dove e in mano a chi?

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...the specialized knowledge and expertise required to perform specific tasks and use specific tools and programs in real-world situations...





What trauma patients need

- ✓ Trauma System
- ✓ Surgical knowledge and skills
- ✓ Critical care skills



Hietbrink F. et Al. What trauma patient need: the European dilemma. European J of Trauma and Em Surg (2024) 50:627-634 Kassam F. et Al. What attributes define excellence in a trauma team? A qualitative study. Can J Surg vol 62, n. 6 dec 2019





- Provides a continuum of services Trauma System Rules triage system
- Rules criteria for secondary transfer



Dedicated logistics and protocols







Life-saving maneuver and Damage Control Surgery

✓ Surgical knowledge and skills - impact of surgical procedure on physiology

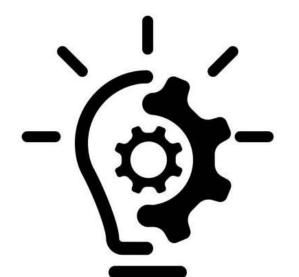
Costant adjustment of strategies (changing in population and technologies)

TIME-SENSITIVE CARE





✓ Surgical knowledge and skills



- Experience
- Efficiency



...confidence in making decision...





✓ Surgical knowledge and skills

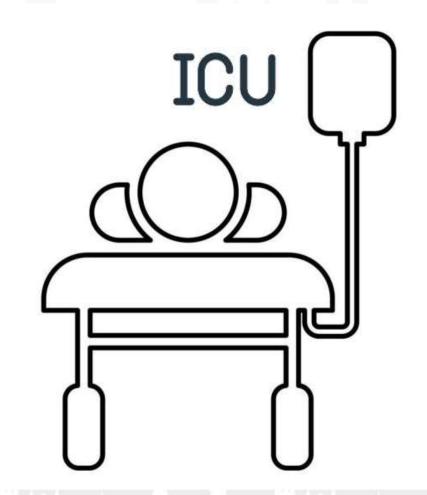
- > Trauma education
- Regular feedback and simulation

Gunst M et Al. Trauma Operative Skills in the Era of Non Operative Management: The Trauma Exposure Course (TEC). J of Trauma, vol 67, n.5 nov 2009 Kelly E et Al. Graduate Medical Education in Trauma/Critical Care and Acute Care Surgery. Surg Clin N Am 92 (2012) 1055-1064
Onufer OJ et Al. Trauma Technical Skill and Management Exposure for Junior Surgical Residents – The «SAVE Lab 1.0» . J Surg Educ 2019; 76(3): 824-831
Carley S, Driscoll P. Trauma education. Resuscitation 48 (2001) 47-56





- Damage Control ResuscitationCritical care skills
- Critical care e surgical decision making are strictly connected













In mano a chi?







In mano a chi?

Surgical Intensivist staffing?
Surgical co-ownership with dedicated Intensivist?
Emergency Medicine Doctor?





The greatest good to the greatest number





In mano a chi?

...the perfect Trauma Team Leader should be...

- thoroughly familiar with trauma triage
- completely aware of trauma care protocols
- exposed to evidence based studies on which the protocols are based
- adept to the kinematics of various injuries
- able to execute and perform multiple tasks of trauma resuscitation
- capable to diagnose those cases which need immediate surgical intervention (1 to
- proficient with immediate surgical and other interventions which might be rehe emergency room (ligation of an obvious visible bleeding vessel, decompression orax, inserting chest htral lines, performing a drains, ability to safely intubate, performing an emergence 't forget l peripheral cut-down, to perform DPL in when not available
- an ACLS provider (in addition to ATLS)
- aware of the acute physiological of co-morbid conditions
- skilled in various routine and cri management, pain control and a ...ucs

nophysiological changes in presence

ike optimization of effective circulation, fluid د

Reddy BR. Debated on who should lead the trauma team: surgeon or critical care physician? In support of surgeon. J Med Allied Sci 2011;1(2) Hajibandeh Shahab, Hajibandeh Shahin. Who should lead a trauma team: surgeon or non-surgeon? A systematic review and meta-analysis. J Inj Violence Res. 2017 Jul; 9(2): 107-116







- An efficient Trauma System, Surgical knowledge and skills and Critical care skills are the milestone for an effective trauma management
- > Trauma education is necessary since the residency
- > Every Trauma Team members' should known dedicated strategies for major trauma patients
- ➤ A good Trauma Team Leader embraces all technicall and non-technicall skills





