

TNCC 8th Edition Questions & answers

What are the greatest risks for transport?

Loss of airway patency, displaced obstructive tubes lines or catheters, dislodge splinting devices, need to replace or reinforce dressings, deterioration in patient status change in vital signs or level of consciousness, injury to the patient and/or team members

According to newtons law which of these two force is greater: size or force?

Neither. For each force there is an equal and opposite reaction.

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What is the relationship between mass and velocity to kinetic energy?

Kinetic energy is equal to $1/2$ the mass multiplied the square of its velocity therefore when mass is doubled so is the net energy, however, when velocity is doubled energy is quadrupled.

What is tension?

stretching force by pulling at opposite ends

What is compression?

Crushing by squeezing together

What is bending?

Loading about an axis. Bending causes compression on the side the person is bending toward and tension on the opposite side.

What is shearing?

Damage by tearing or bending by exerting force on different parts in opposite directions at the same time.

What is torsion?

Torsion forces twist ends in opposite directions.

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What is combined loading?

Any combination of tension compression torsion bending and/or shear.

What are the four types of trauma related injuries?

Blunt, penetrating, thermal, or blast.

What are contributing factors to injuries related to blunt traumas?

The point of impact on the patient's body, the type of surface that is hit, the tissue's ability to resist (bone versus soft tissue, air-filled versus solid organs), and the trajectory of force.