

# Types of Traction

When it comes to fractures, various types of tractions can be used to immobilize and align the fractured bone fragments, promote healing, and relieve pain. Here are some different types of tractions commonly employed for fractures:

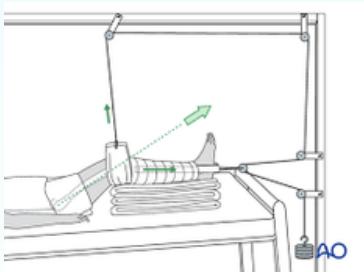
## Buck's Traction:

Buck's traction is a type of skin traction used for fractures of the femur (thigh bone) or hip. It involves the application of a pulling force to the leg using adhesive straps placed above and below the knee. Buck's traction is often used to stabilize fractures before surgery or as a conservative treatment option.



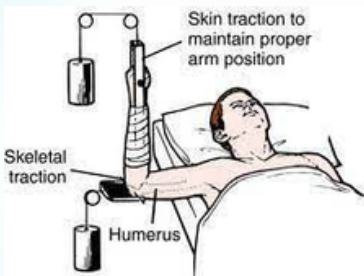
## Russell's Traction:

Russell's traction is another form of skin traction used primarily for fractures of the femur. It involves applying a pulling force to the leg using adhesive straps or a sling placed under the knee and behind the heel. This traction helps to align the fractured bone and reduce muscle spasms.



## Dunlop Traction:

Dunlop traction is commonly used for fractures involving the elbow or upper arm. It applies a pulling force to the arm using adhesive straps or a sling positioned under the forearm. Dunlop traction helps in maintaining alignment and immobilizing the fractured bone.



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## Halo Traction:

Halo traction, also known as Crutchfield traction, is a type of skeletal traction used for fractures of the cervical spine (neck region) or to immobilize the head and neck during surgical procedures. It involves the insertion of pins into the skull, and a traction device (halo vest) is attached to the pins to provide the pulling force and immobilization.



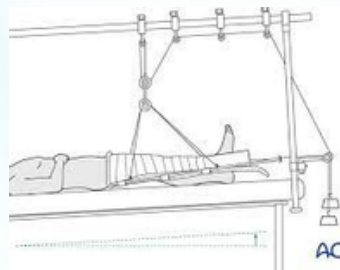
## Pelvic Traction:

Pelvic traction is used for fractures involving the pelvis or hip joint. It can be achieved through different methods such as pelvic sling traction or pelvic belt traction. Pelvic traction helps stabilize the pelvis, align fractures, and relieve pain.



## Thomas Splint Traction:

Thomas splint traction is a type of traction used for fractures of the femur or tibia (lower leg bone). It involves the use of a splint that extends along the length of the limb and a traction mechanism attached to the foot or ankle. Thomas splint traction helps to maintain proper alignment and immobilization of the fractured bone.



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