

PATIENT POSITIONING



Medtronic
Further, Together

Patient Positioning



High Risk Populations:

- Long procedures
- Arthritis
- Congestive heart failure
- Peripheral vascular disorders
- Respiratory problems
- Renal impairment
- Neuromuscular disorders
- Immunosuppressive therapy
- Elderly
- Infant / child
- Hypotensive / anaemic
- Malnourished
- Hypothermic
- Diabetic
- Obese
- Cancer / metastasis

Common theme among these conditions is that, tissue perfusion and oxygenation is decreased, increasing pressure to tissues and compromising circulation and tissue healing

Patient Positioning

Criteria for all patients positions:

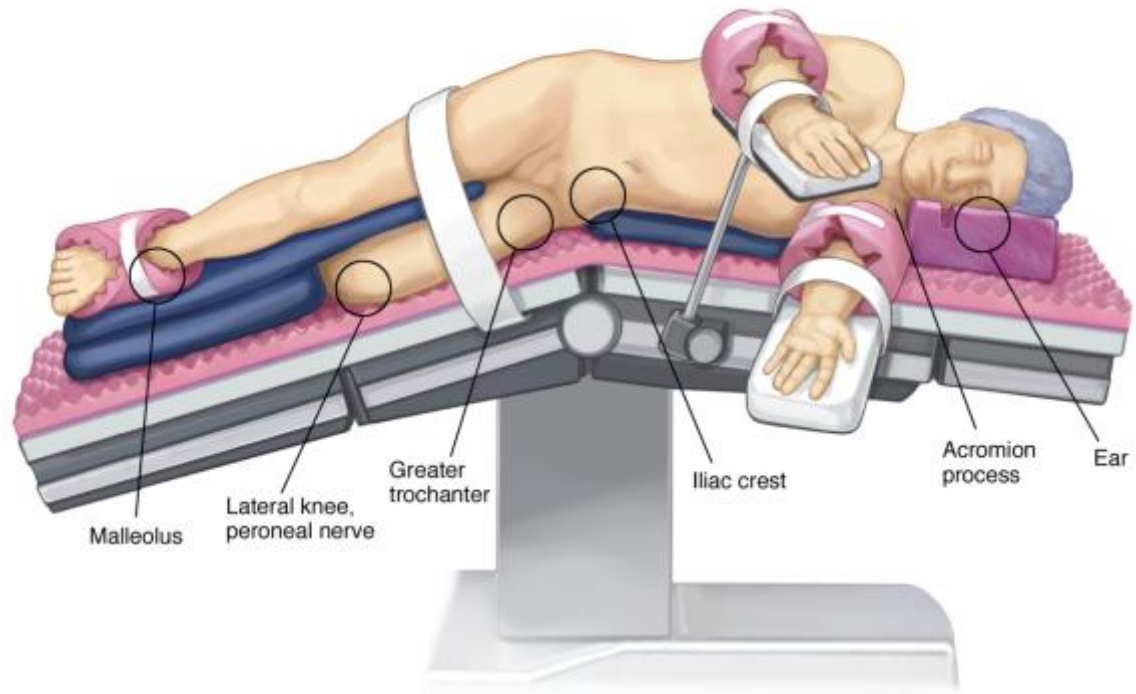
- Body alignment maintained
- No direct contact with metal or hard surfaces
- All body parts supported
- Circulation maximized in all extremities
- Pressure points padded
- Areas of nerve compression padded
- Respiratory expansion maximised
- Operative site accessible
- Provide patient privacy
- Avoid unnecessary hypothermia

Patient Positioning

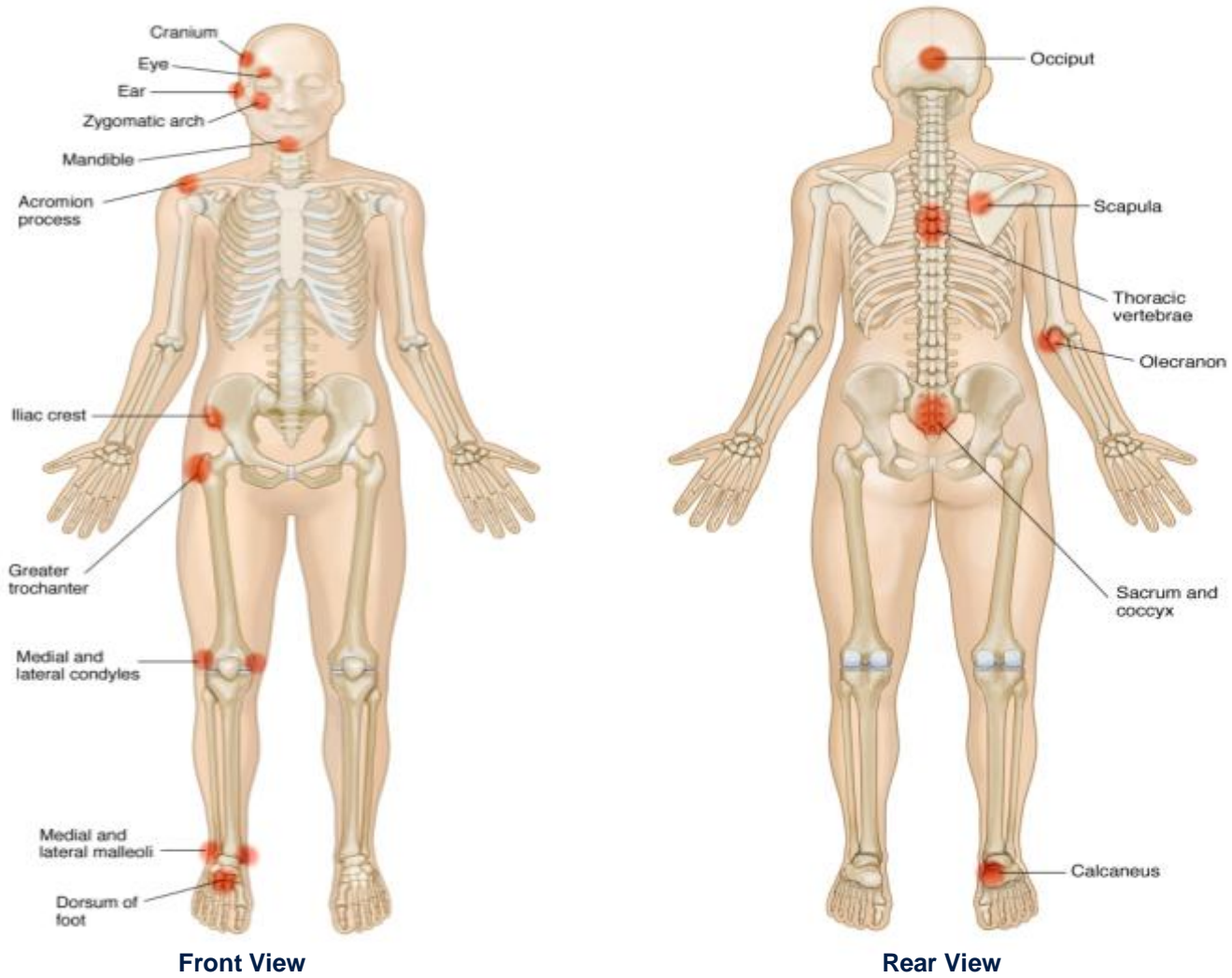
Various Positions:

- Supine
- Prone
- Lateral
- Lithotomy
- Jackknife
- Knee-chest
- Chair/Sitting
- What ever bizarre position the surgeon wants the patient in

PATIENT POSITIONING



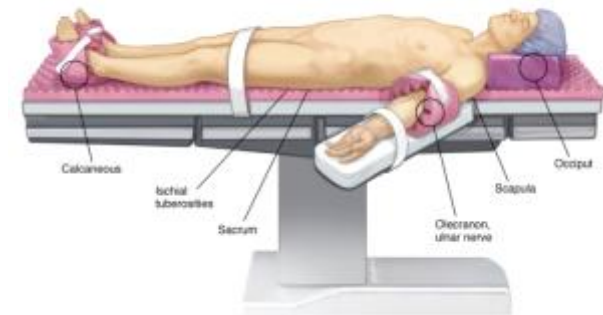
COMMON PRESSURE POINTS



PATIENT POSITIONING

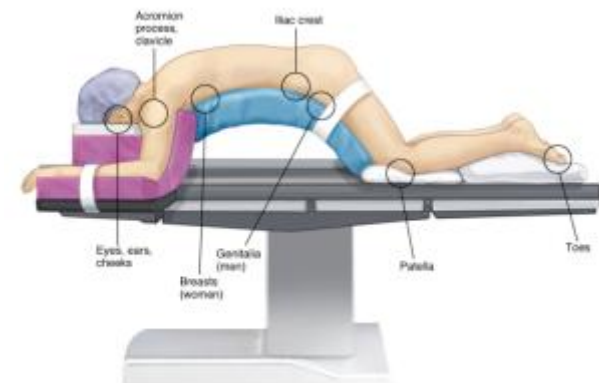
Supine Position

- The most commonly used position and is frequently used in abdominal, orthopaedic
- Allows access to the head, neck, extremities, peritoneal, thoracic and pericardial regions
- Pressure points include head , ulnar nerve, Sacrum & heels



Prone Position

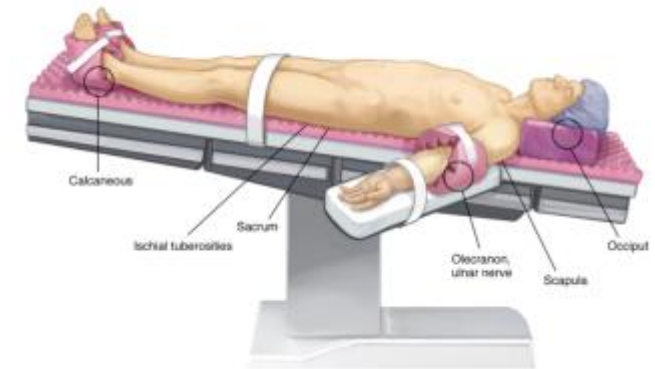
- Patient is lying face down on the table
- Used for spine and vascular procedures
- Pressure points include eyes, ears , cheeks & patella
- Extreme caution should always be implemented when the patient is placed in the prone surgery to avoid direct pressure on the area of the eye orbit



PATIENT POSITIONING

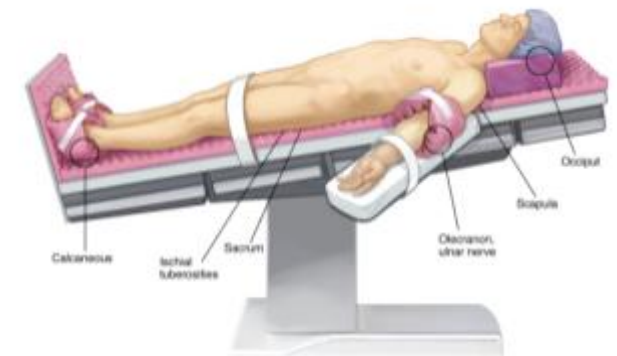
Trendelenburg Position

- This is a dorsal position in which the table is tilted to a 45° angle, lowering the head of the table
- Used for Gallbladder. Thoracic and abdominal procedures



Reverse Trendelburg Position

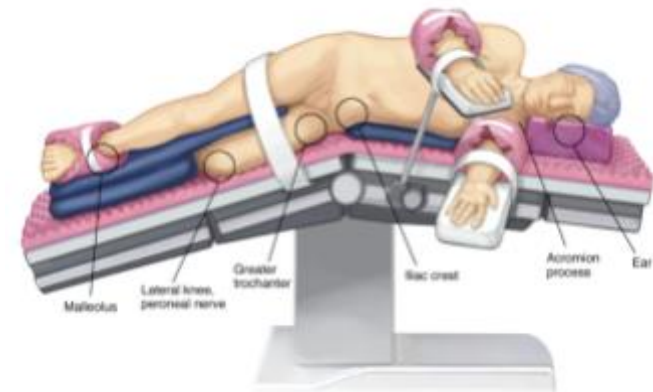
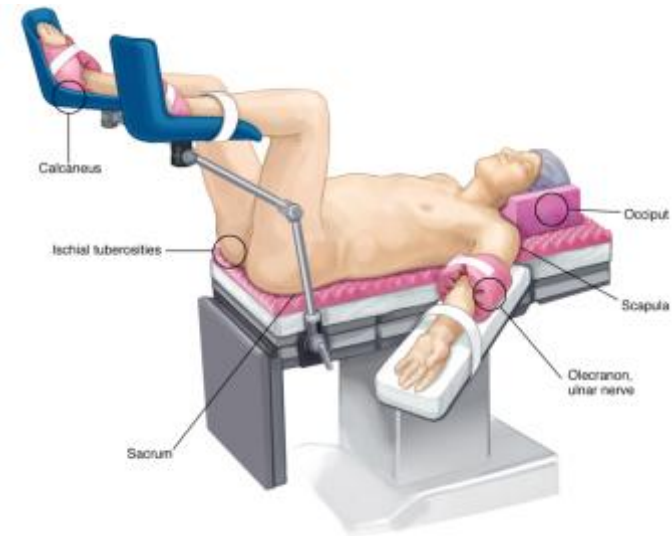
- This is a dorsal position in which the table is tilted to a 45° angle, lowering the feet and raising the head of the table
- Used for lower abdominal and urology procedures



PATIENT POSITIONING

- **Lithotomy Position**
 - In this position the legs are elevated, abducted (moved away from the midline of the body) and supported by stirrups. The lower portion of the table is broken and fully lowered
 - Used for gynaecology and urology procedures

- **Lateral Position**
 - In the lateral position the patient lies on his side with both arms forward and his knees and hips flexed. One leg is more acutely flexed than the other leg
 - Lateral position used for kidney surgery



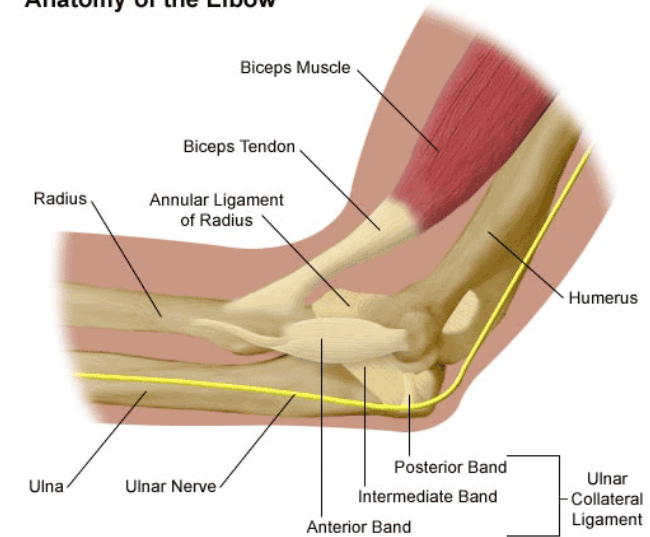
PATIENT POSITIONING – COMMON INJURIES

Ulnar Nerve Injury

Most common nerve injury in anesthetised patients

- Often injured when compressed between the posterior elbow and arm board or bed
- More likely with elbow flexed or forearm pronated
- Symptoms include loss of sensation of lateral portion of hand and inability to abduct or oppose the fifth finger (claw hand)

Anatomy of the Elbow

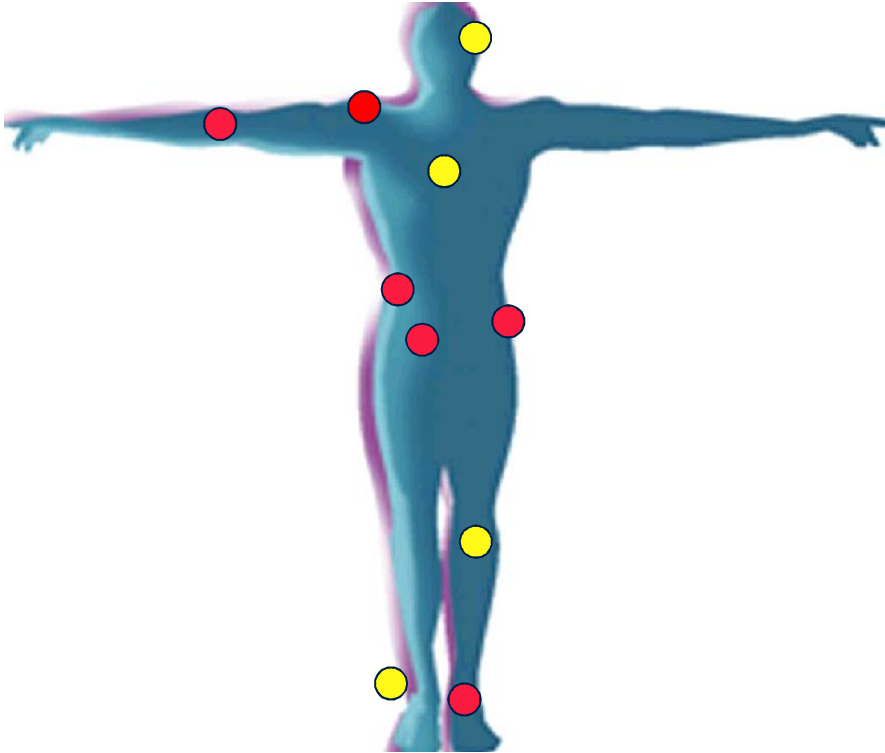


Patient Positioning

“UNDER PRESSURE” AREAS MOST SUSCEPTIBLE


High Risk

- Sacrum
- Shoulders
- Hips
- Elbows
- Heels
- Buttocks




Increased Risk

- Knees
- Ankles
- Ears
- Spine

Patient Positioning – Bad Practice



Inefficient - Long set-up time - Not Consistent



No Cost-benefit

Patient Positioning – Bad Practice



Inefficient - Long set-up time - Not Consistent



Devon™ Positioning Products



Head Rests
Ulnar Nerve Protectors
Heel & Knee Protectors
Abduction Pillows
Chest Rolls
Bolsters
Wedges
Straps
Kits
Larger patients positioners

Devon™ Positioning Products



FEATURES	BENEFITS
Highly resilient material (Foam made of Polyurethane)	Provides balanced pressure distribution
Firm density	Provides maximum support
Non-slip surface	Gently secures patient
Disposable	Eliminates risk of infection Eliminates cleaning processes (time & cost saving)
Non-toxic	Virtually irritation free
Variety of styles	Maximum convenience

Devon™ Positioning Products - Portfolio

HEAD POSITIONERS

- Provide support, stability, elevation and safe alignment of head and neck
- Support and protect sensitive facial features
- Several products are designed to accommodate an endotracheal tube

Prone and lateral head positioners



Slotted Head Positioner
31143160



Soft Touch Head Positioner
31163184



Frame Head Positioner
31143020

Devon™ Positioning Products - Portfolio

Supine head positioners



Adult Head Positioner
31143129

Child Head Positioner
31143194



Head Rest Whole-in-One
31143152



Head Rest - 7" Bagel
31143145

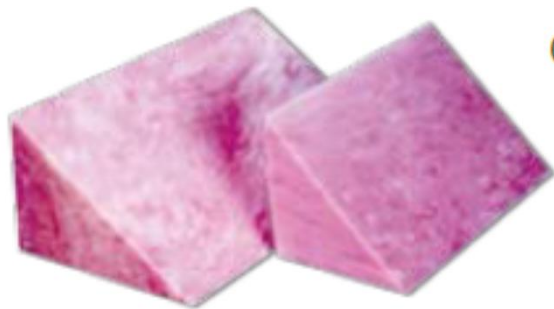


Head Rest - 9" Bagel
31143137

Devon™ Positioning Products - Portfolio

BODY POSITIONERS

- Provide support and stability required for safe positioning of patients
- Reduce risk of pressure sores and nerve damage
- Convoluted pads are designed to help maintain proper circulation



Body Alignment Wedge
31143392

To elevate the body

OR Table Wedge
31143103



Convoluted Table Pad
31163457

Devon™ Positioning Products - Portfolio

Body positioners



Convuluted Utility Pad
31143384



Chest Roll
31143418

To elevate the chest



Bolster (2 sizes)
31143434 & 31143442

Devon™ Positioning Products - Portfolio

Upper extremity positioners



Convoluted Arm Board Pad
31143467



Convoluted Ulnar Nerve Protector
31143095



Arm Cradle - Laminectomy
31143491

Devon™ Positioning Products - Portfolio

Lower extremity positioners



Abduction Pillows (3 sizes)

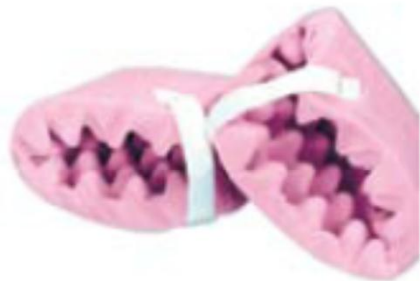
To keep legs apart after hip surgery



Cradle Positioner
31157988



Frog Leg Positioner
31143376
For cardiovascular surgery



Convolved Foot & Heel Protectors
31143178



Arthroscopic Well Leg Holder
31143277



Arthroscopic Knee Holder
31143046

Devon™ Positioning Products - Portfolio

Larger patients positioners



Round Head Positioning
777001



Arm Positioner
7770022



Leg Positioner
777003



Supine Positioning Kit
777004

Devon™ Positioning Products - Portfolio

STRAPS



Knee & Body Strap
31142964



Knee & Body Strap
31143004



Arm Strap 31142980



Arm Strap 31142998

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