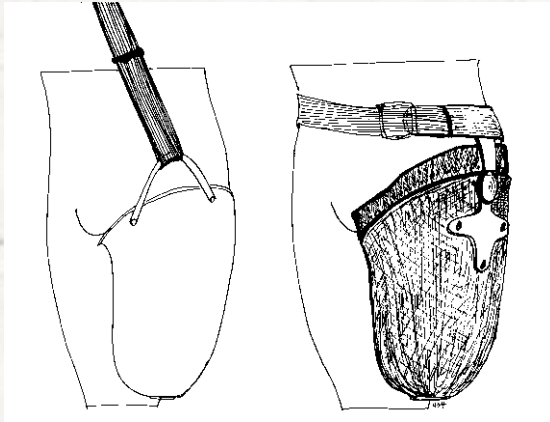
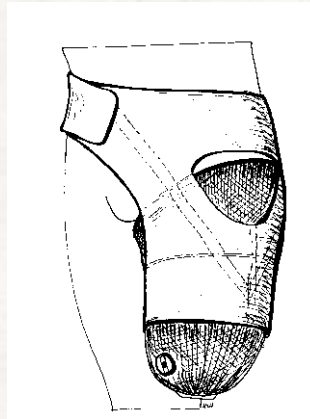


Transfemoral Suspension

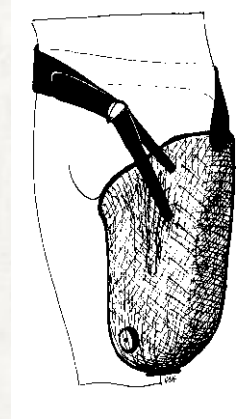


Straps

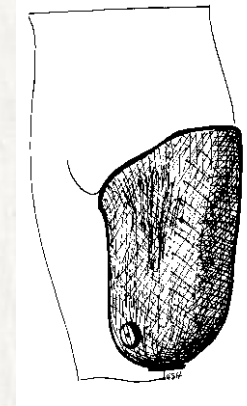
RPB



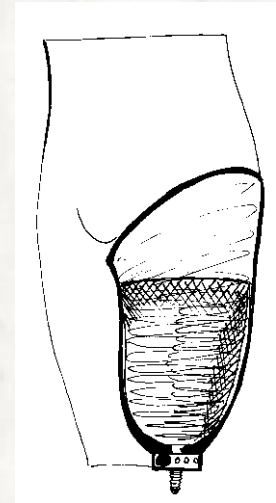
Elastic belt



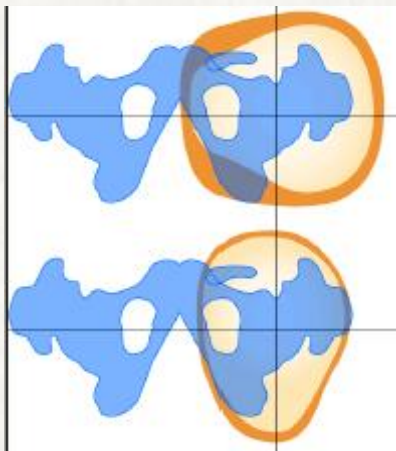
Silesian



Suction



Locking



Ischium supported socket
Ischial containment socket

Preparation



- Plaster bandage
- Plaster slab
- Apply casting pants
- Apply cling film
- Elastic

Sizing the Liner



Measure 4cm up

Sizing the Liner



- Take a circumference measurement

Sizing the Liner



- Select an Liner that is the measured size or the next size below
- Invert the Liner
- Place over distal end
- Roll on

Trimming the Liner



- Mark the Liner 1cm below the level of the perineum

Trimming the Liner



- Trim the Liner initially to extend beyond the anticipated socket trim lines

Cast preparation



- Don the Liner

Cast preparation



- Attach a Lanyard

Cast preparation



- Test for longitudinal stability

Cast preparation



- Wrap cling film around the abdomen

Cast preparation



- Wrap cling film around the Liner

Cast preparation



- Apply non-elastic casting pants

Cast preparation



- Place elastic strip around perineum

Cast preparation



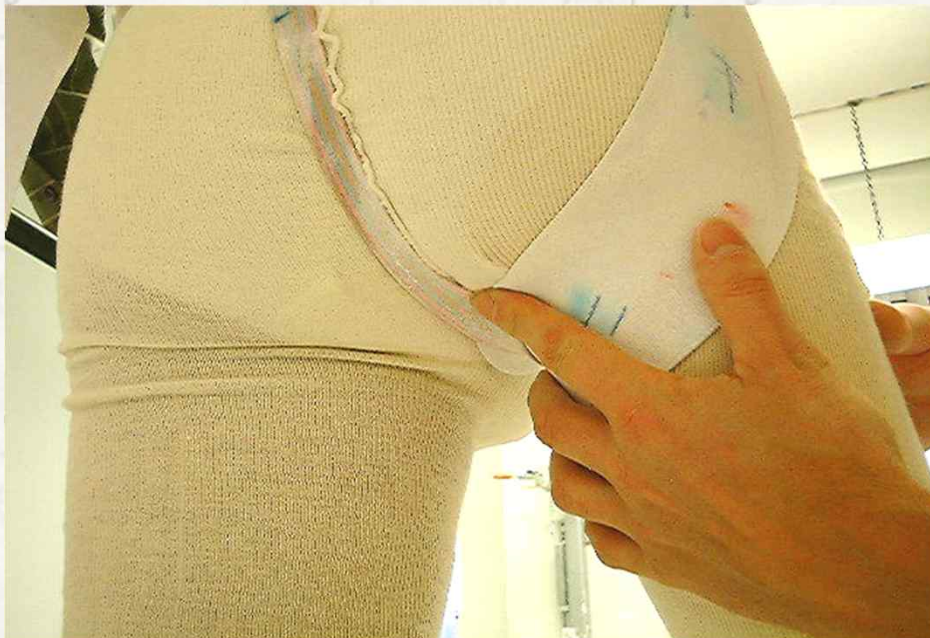
- Position elastic:
- around Inguinal Fold
- over Trochanter
- under Gluteals
- over Trochanter

Cast preparation



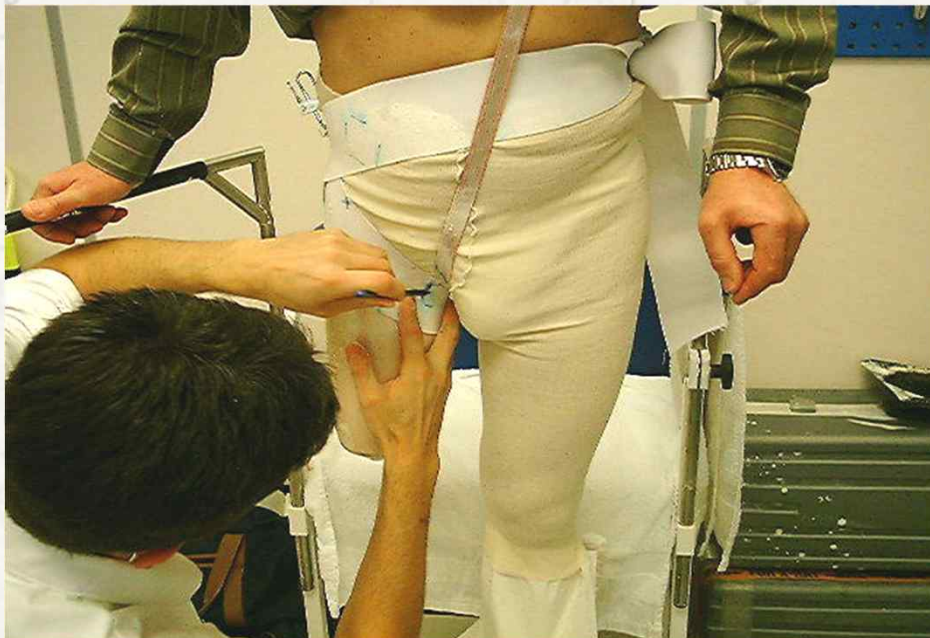
- Adjust tension of elastics
- Use Yates clamp if necessary
- Tie off elastic around opposite hip

Cast preparation



- Position 2.5cm elastic medial to Ischial Tuberosity
- Check Ischial Tuberosity lies within intersection between elastics

Cast preparation



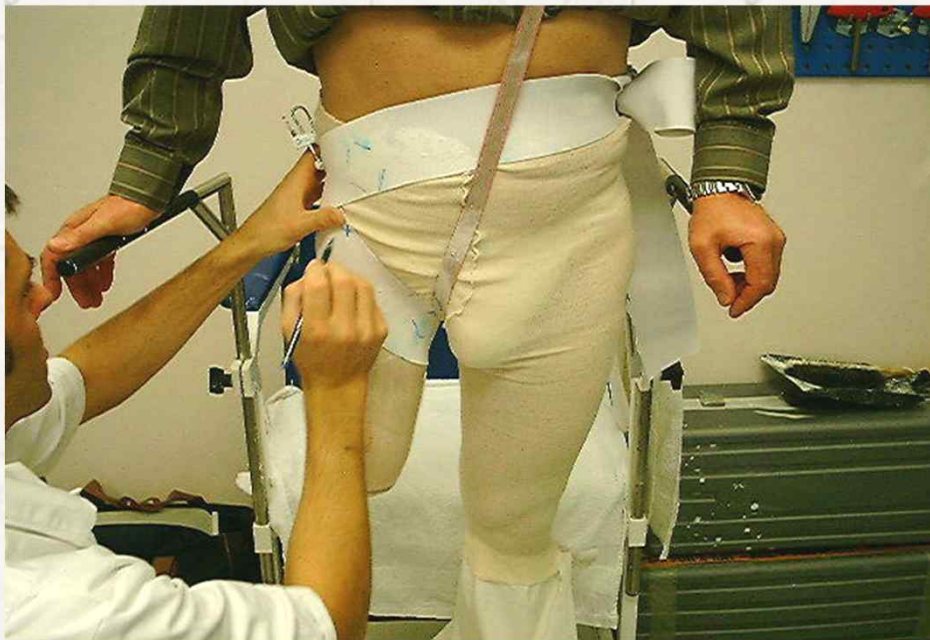
- Mark Adductor Longus Tendon insertion

Cast preparation



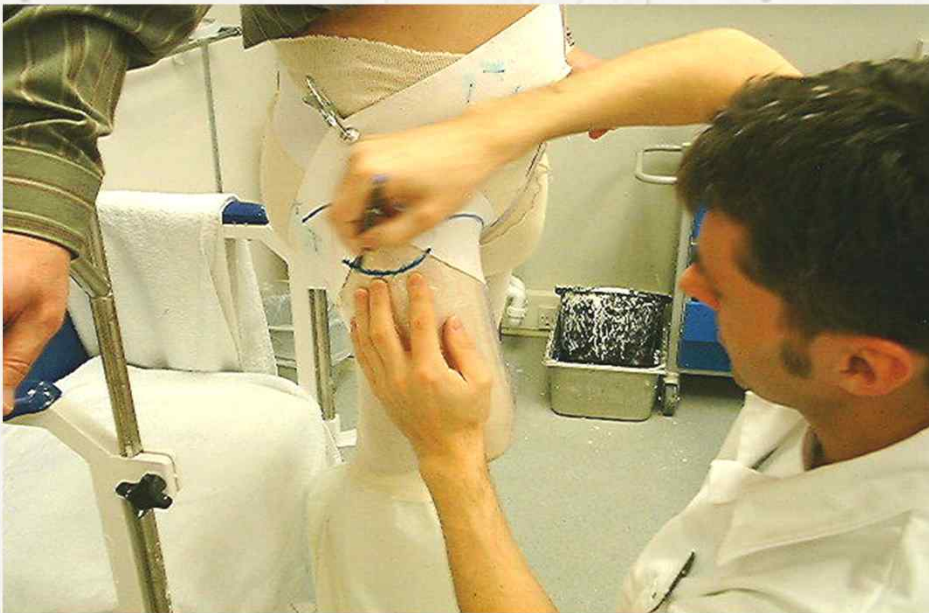
- Mark Inguinal Fold

Cast preparation



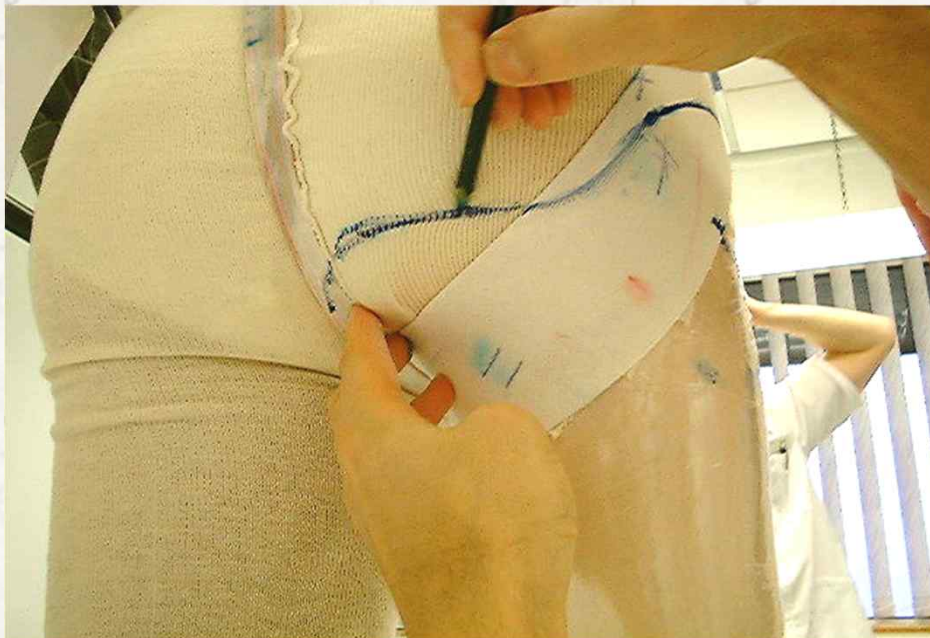
- Mark Anterior Superior Iliac Spine

Cast preparation



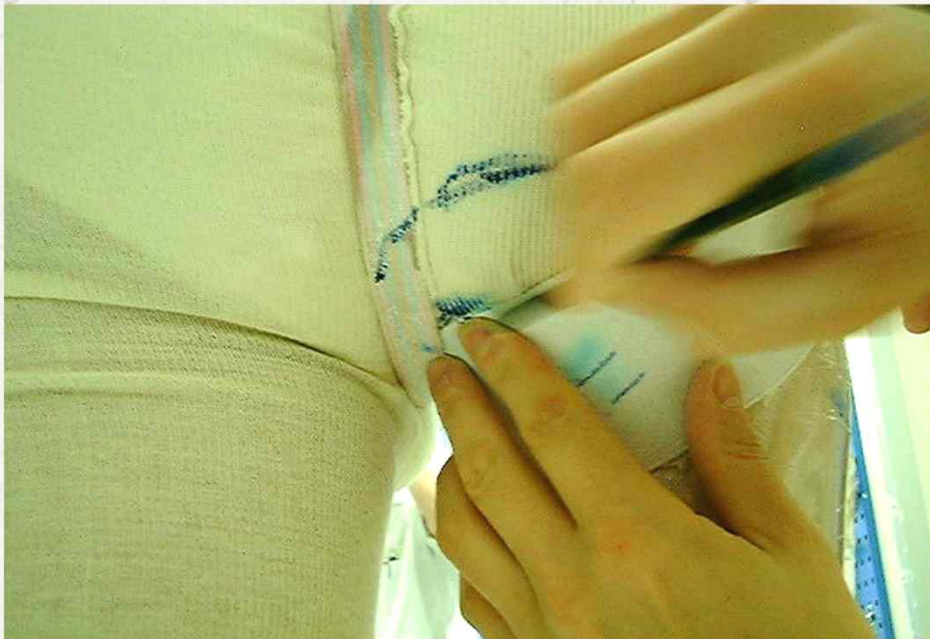
- Mark Greater Trochanter

Cast preparation



Mark anticipated lateral and posterior socket trim line

Cast preparation



- Mark Ischial Tuberosity

Cast preparation



- Take circumference measurements

Cast preparation



Circumference measurements should be taken under tension

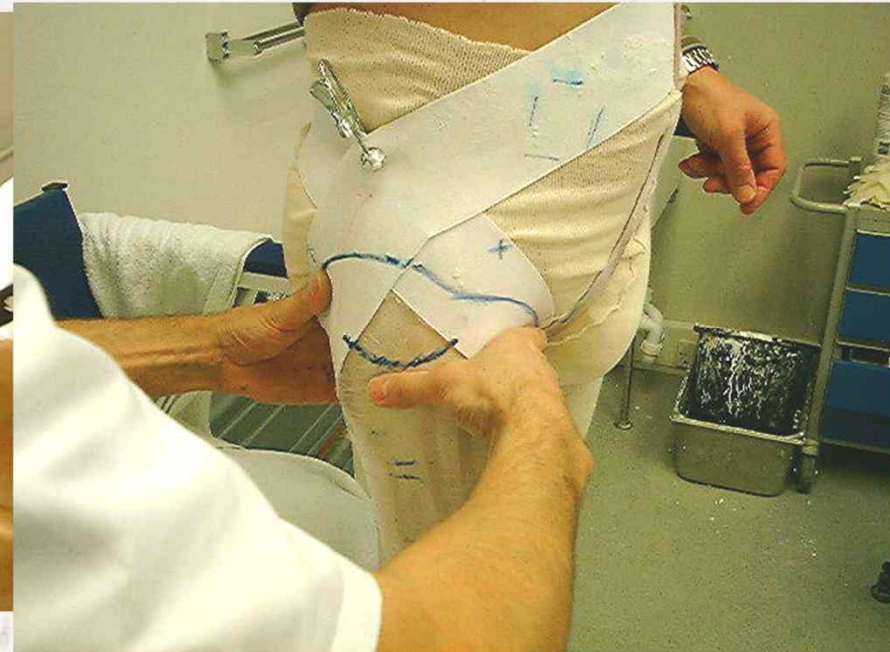
Cast preparation

- Rehearse casting grips (anterior)

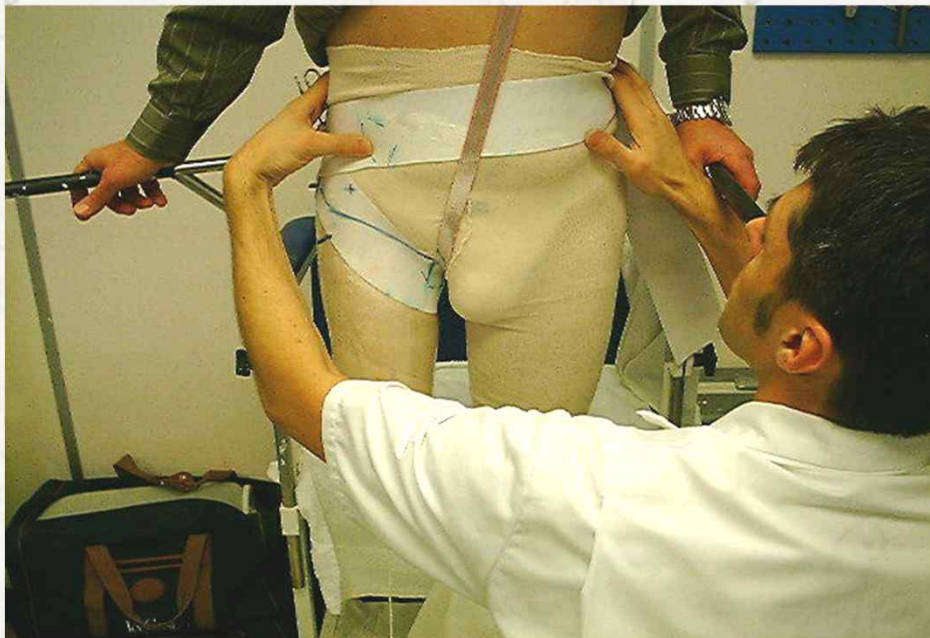


Cast preparation

- Rehearse casting grips (lateral)



Cast preparation



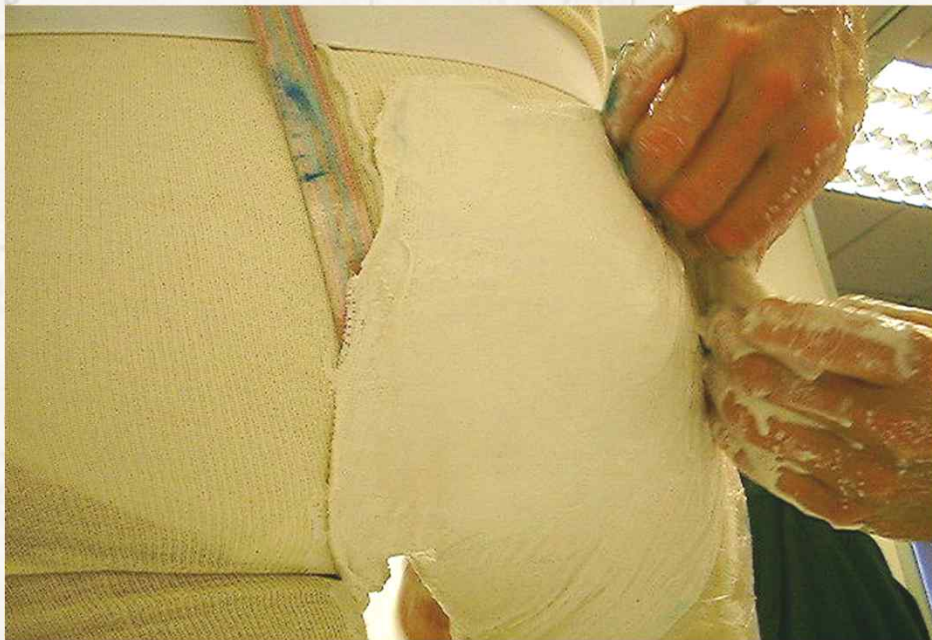
- Ensure the pelvis is level

Casting



- Apply plaster slab

Casting



- Ensure adequate coverage over ischial tuberosity

Casting



- Wrap distally with plaster bandage
- Apply tension to Liner with lanyard

Casting



- Wrap proximally

Casting



- Wrap tightly around hips

Casting



Position limb in correct alignment

Casting



- Apply casting grips
- Maintain tension
- Check hip joint alignment

Casting



- Check casting grip

Casting

- Add plumb lines



Casting



- Check and trim negative

Transfemoral Cast Modification



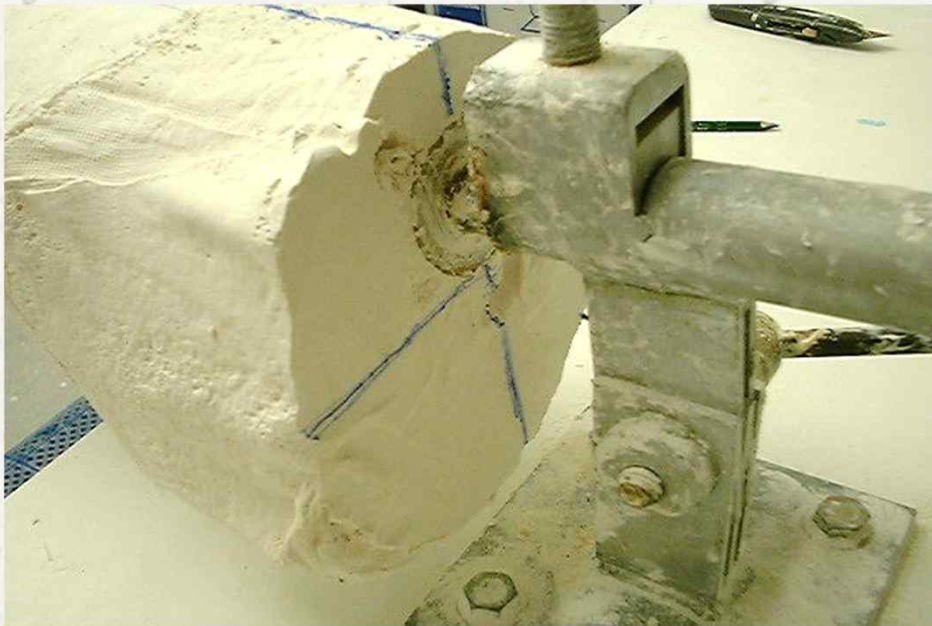
- Modification

Modification



- Transfer plumb lines

Modification



- Add A/P M/L orientation lines

Modification



- Identify anterior trim line

Modification



- Follow Inguinal Fold to create anterior trim line

Modification



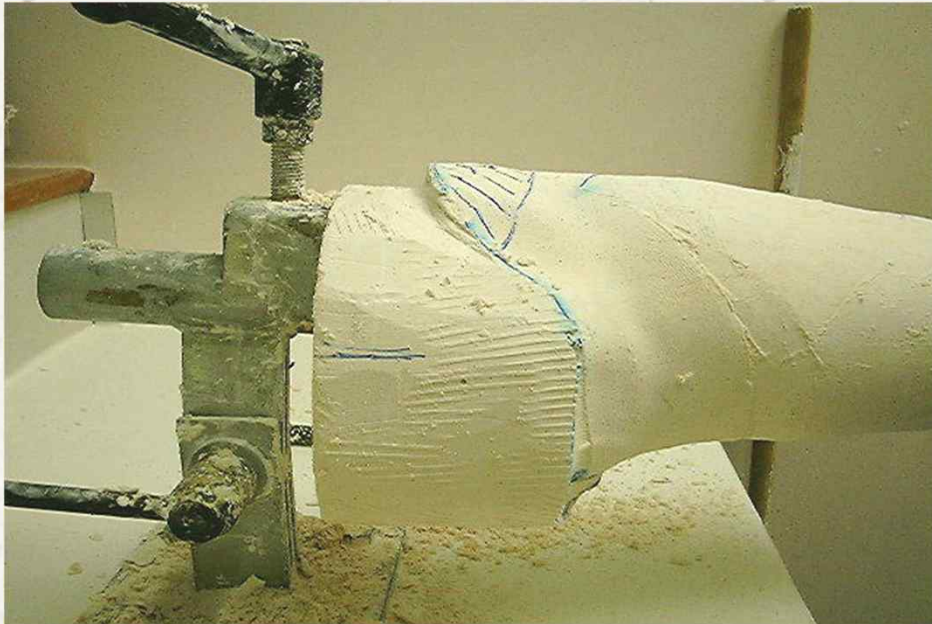
- Add relief for ASIS

Modification



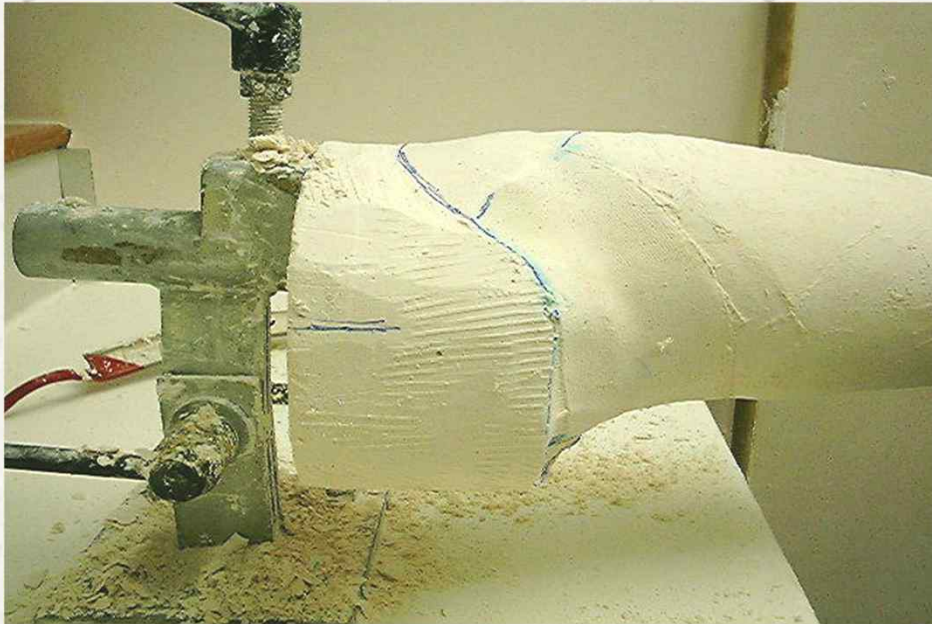
- Mark lateral wall from apex of Greater Trochanter to lateral trim line

Modification



- Prepare to reduce lateral trim line depth by 1cm

Modification



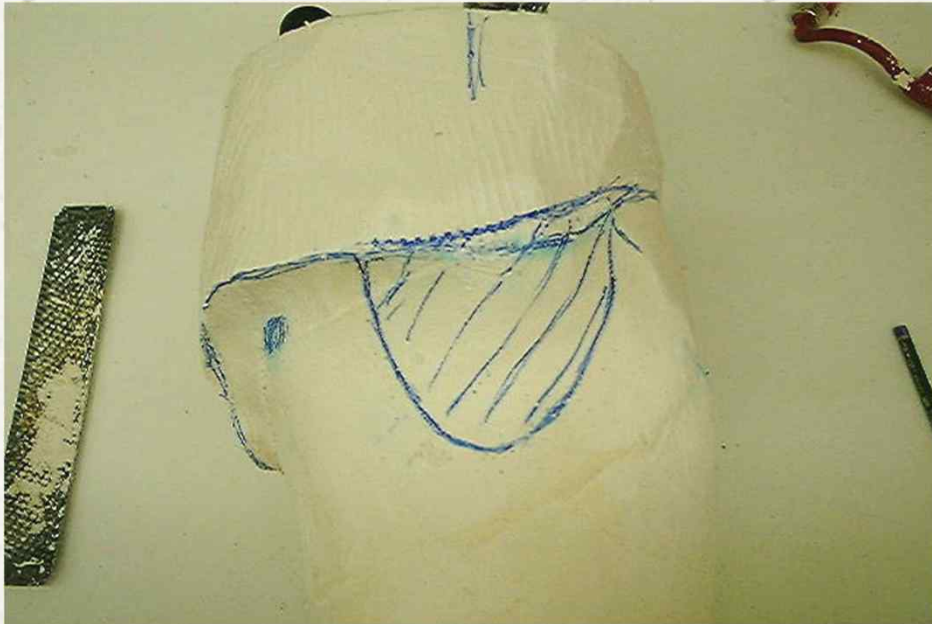
- Reduce lateral trim line depth 1cm

Modification



- Identify posterior trim line

Modification



- Mark area of posterior-lateral corner

Modification



- Reduce posterior-lateral corner

Modification



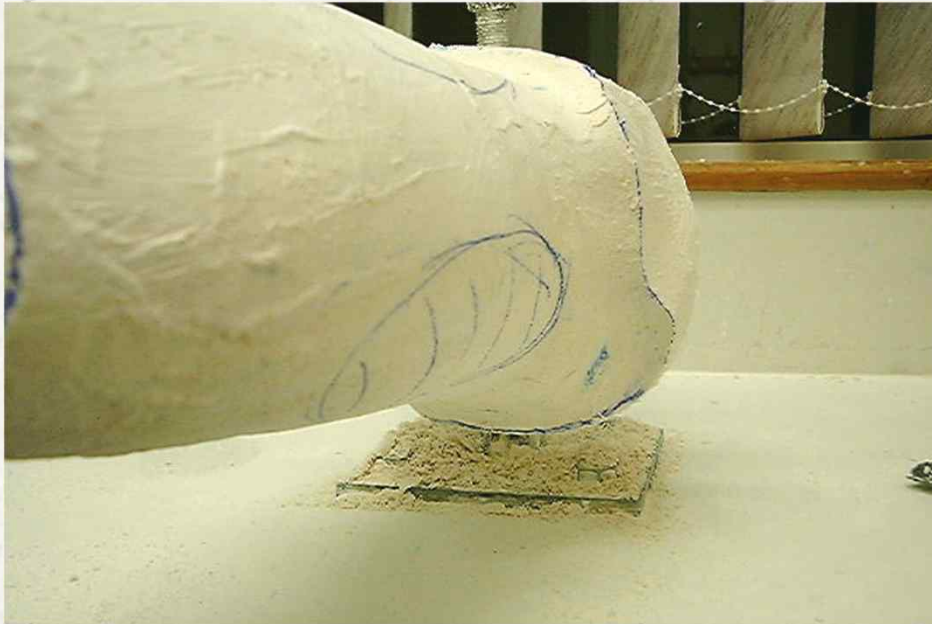
- Identify medial trim line

Modification



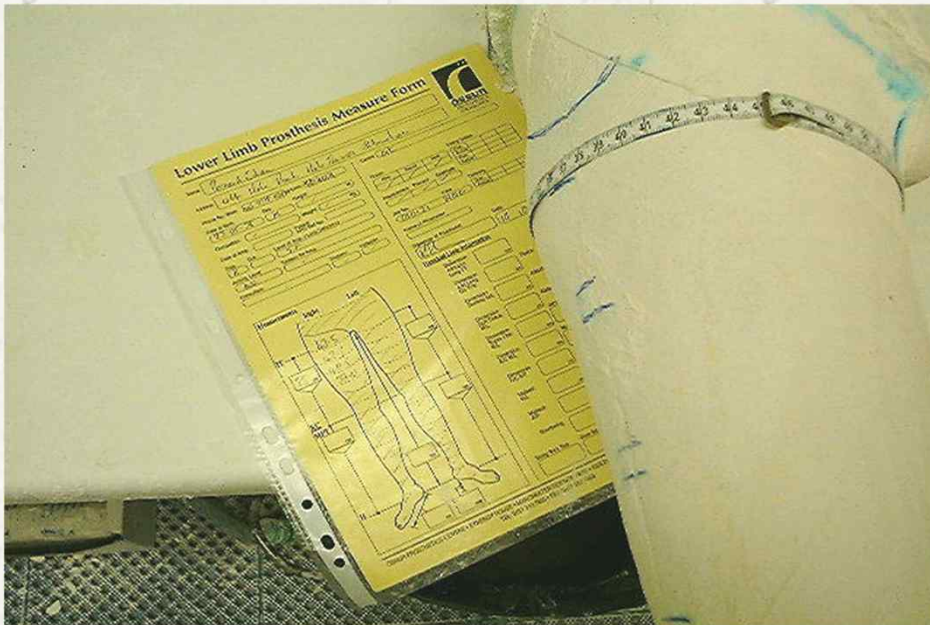
- Add relief for Adductor Longus Tendon insertion and Pubic Ramus

Modification



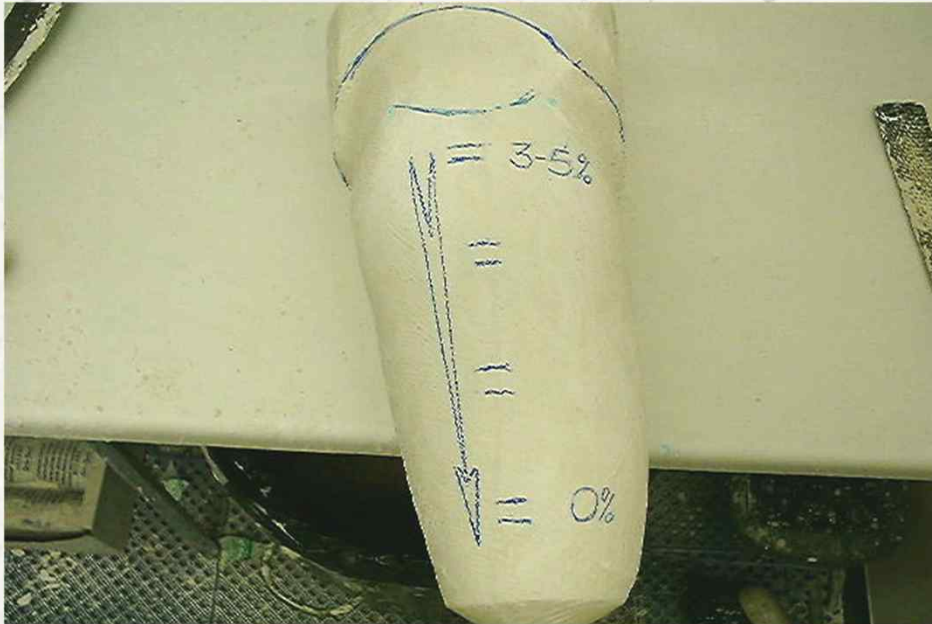
- Cut back trim line to allow relief for Pubic Ramus

Modification



- Check measurements

Modification



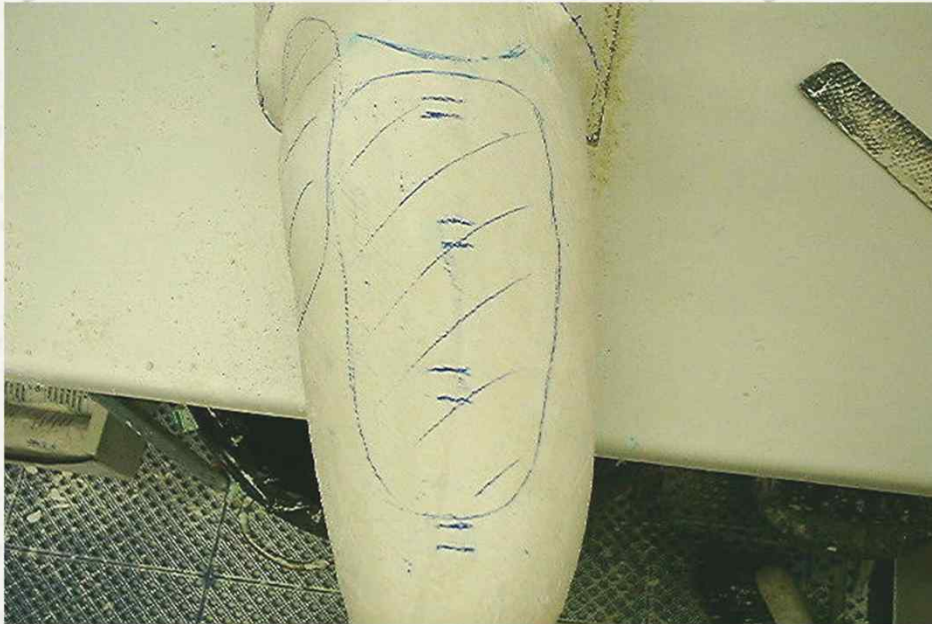
- Calculate volume reduction required

Modification



- Reduce over Femoral Triangle

Modification



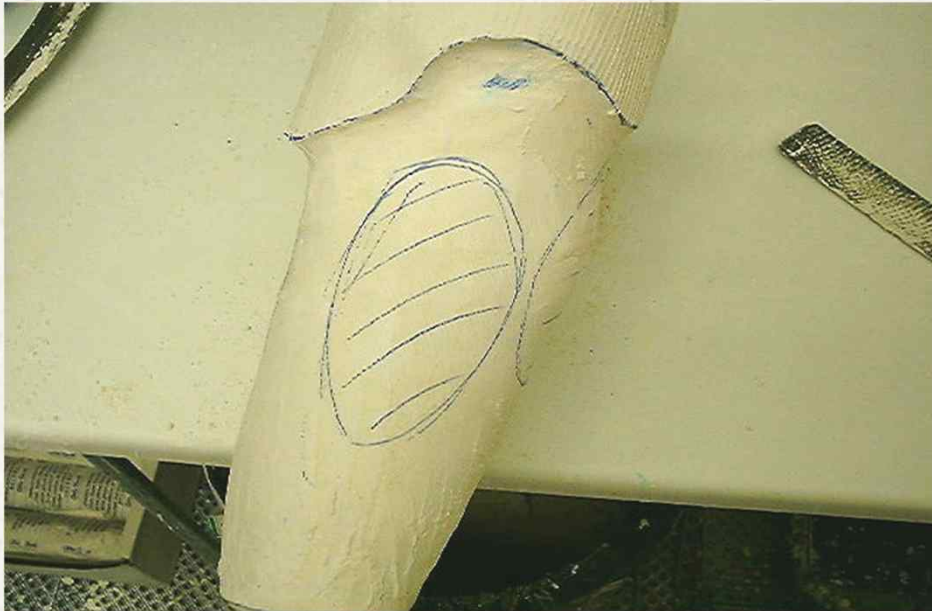
- Reduce under Greater Trochanter

Modification



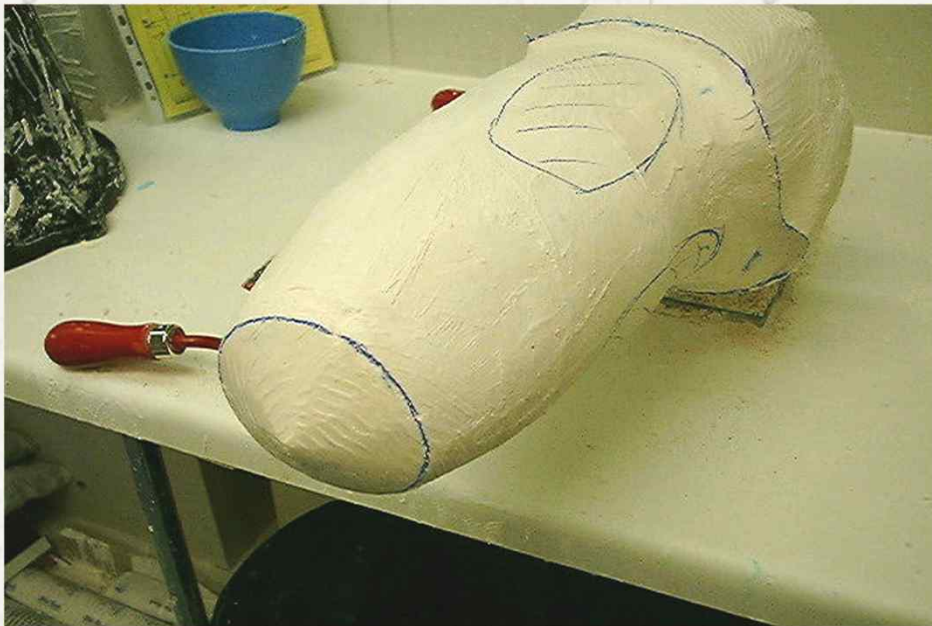
- Reduce behind Trochanter and Femoral Shaft

Modification



- Reduce distal to Ischial Tuberosity

Modification



- Do not round the end of the cast

Modification

