

# HIP REPLACEMENT SURGERY: POSITIONING AND APPROACH

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JOINT REPLACEMENT SURGEON

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PUNE

# POSITIONING

- SUPINE
- LATERAL
- SUPINE [NOT USED VERY OFTEN IN ARTHROPLASTY]
  - USEFUL IN FOLLOWING APPROACHES IN PAEDIATRIC SURGERY
    - ANTERIOR APPROACH
    - LATERAL APPROACH
    - MEDIAL APPROACH

# LATERAL POSITION: MOST COMMON

## 1.SQUARE THE PELVIS



## 2.TURN PATIENT TO LATERAL POSITION



### 3.SUPPORTS

- POSTERIOR
- ANTERIOR



# IDEAL POSITION



# AVOID ANT OR POST TILT

- WILL AFFECT YR VERSION ANGLES



- CHECK LEG LENGTH





# APPROACHES TO THE HIP

– VARIOUS APPROACHES

- ANTERIOR [PAEDS]
- LATERAL
- ANTEROLATERAL
- POSTERIOR
- MEDIAL [MINIMALLY INVASIVE SURGERY]

# COMMON APPROACHES

- ANTEROLATERAL
- POSTERIOR

# ANTEROLATERAL APPROACH: FOR PEOPLE WHO LIKE TO USE THE FRONT DOOR



# POSTERIOR APPROACH: FOR PEOPLE WHO LIKE TO USE THE THE BACK DOOR



# EXAMPLE:ANTERIOR APPROACH FOR STRAIGHTFORWARD THR



# POSTOP



# EXAMPLE: POSTERIOR APPROACH FOR REVISION SURGERY INFECTED LEFT THR



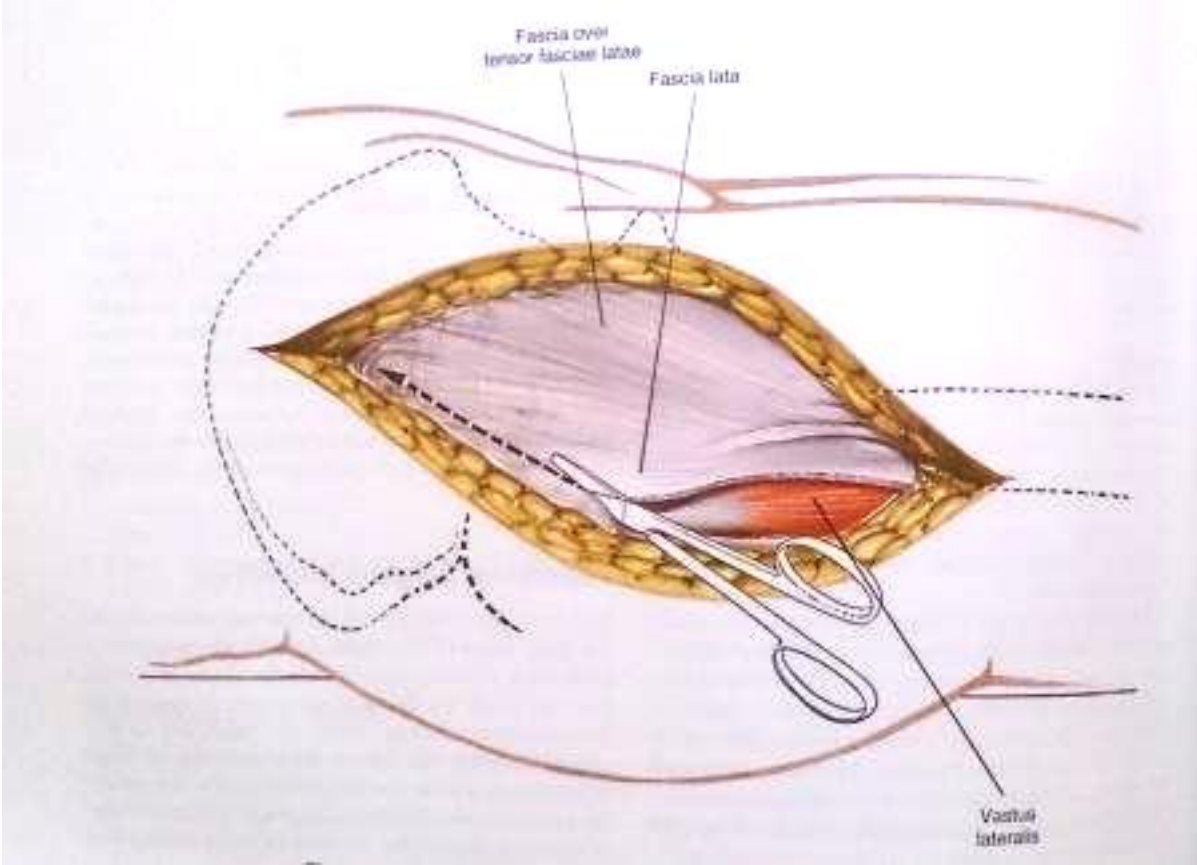
# POST OP FIRST STAGE



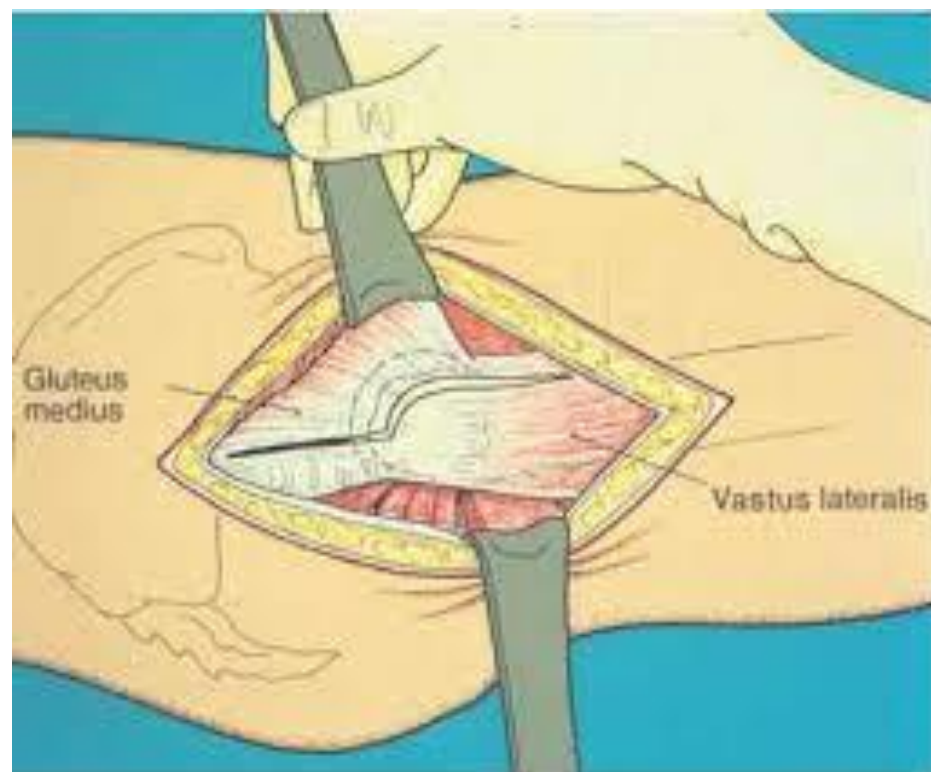


# ANTEROLATERAL APPROACH INCISION





- INCISE GLUTEUS MEDIUS FROM THE GT LEAVING A CUFF OF TISSUE
- PROXIMALLY SPLIT THE G MEDIUS FIBRES
- DISTALLY SPLIT THE VASTUS LATERALIS
- DETACH G MINIMUS FROM ITS ORIGIN
- T SHAPED INCISION ON THE CAPSULE
- DANGERS TO FEMORAL NERVE AND SUP GLUTEAL NERVE



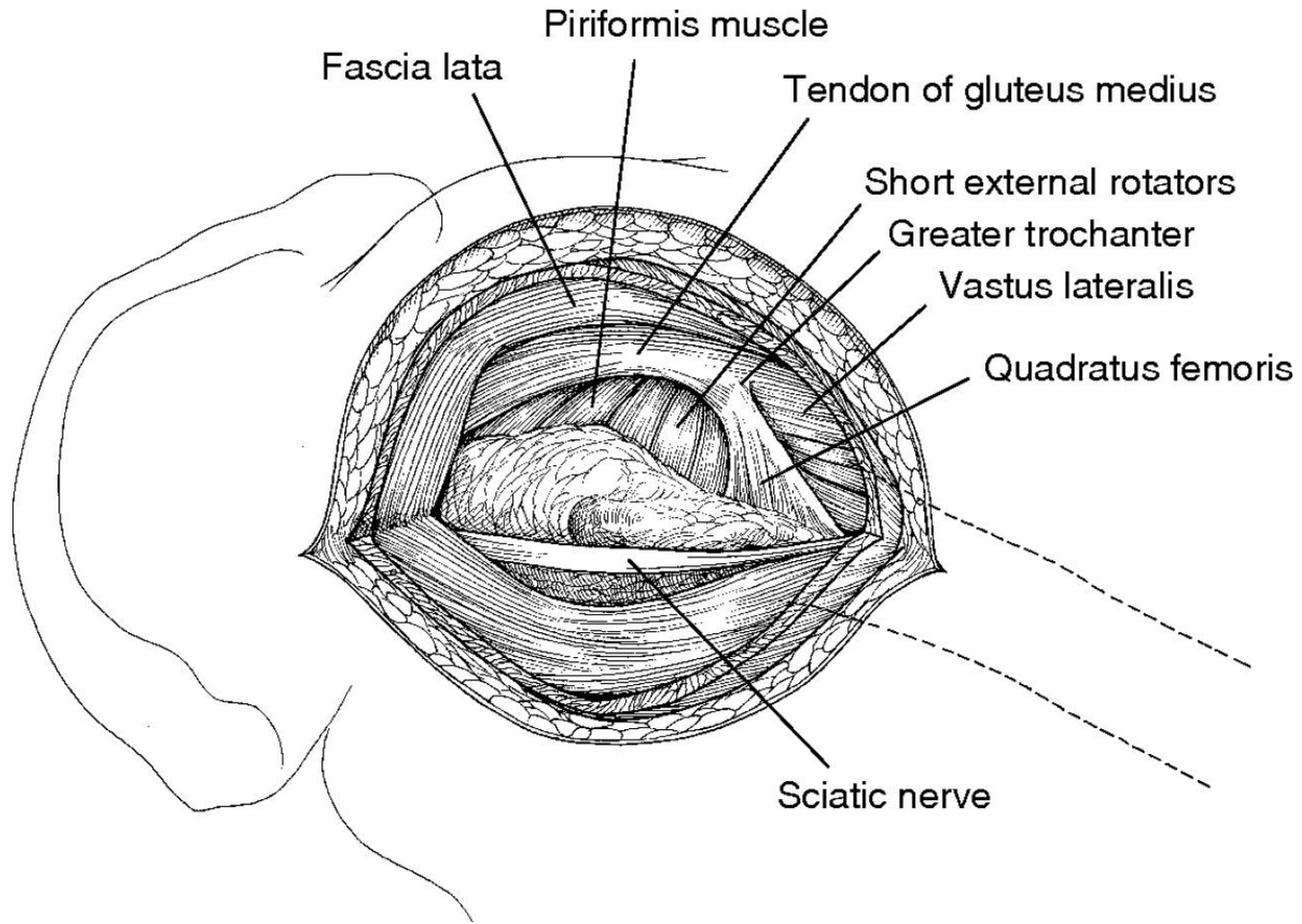
# SALIENT FEATURES OF ANTLAT APP

- LESS BLOODY
- DISLOCATION RATE LOWER
- LESS EXTENSILE
- MY PREFERRED APP IN HEMIARTHROPLASTY

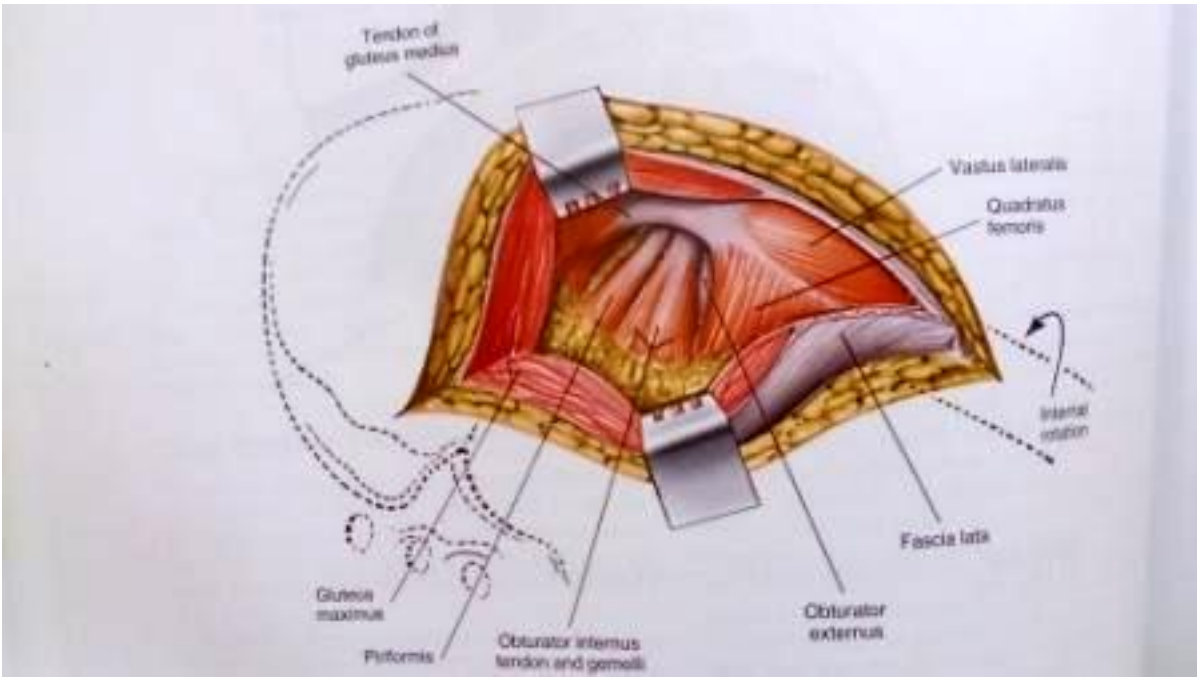
# POSTERIOR APPROACH INCISION

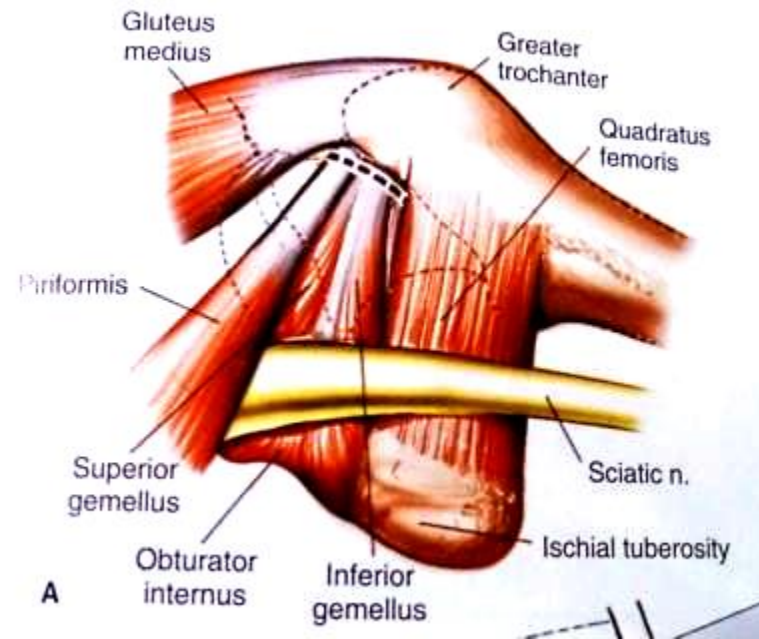


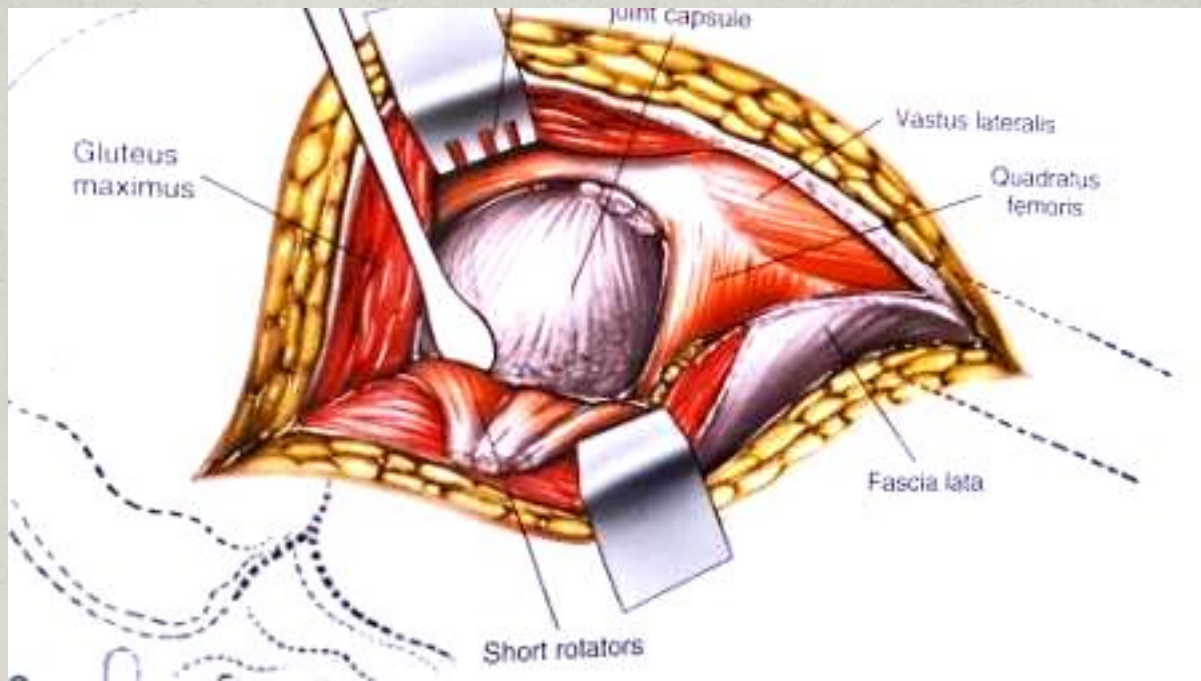
- SPLIT FIBRES OF G MAX
- INCISE TRO BURSA
- IDENTIFY SCIATIC NERVE
- RETRACT G MEDIUS
- EXPOSE THE SHORT EXT ROTATORS AND REFLECT THEM
- QUAD FEMORIS INCISED
- BEWARE BLEEDING TRO ANASTOMOSIS
- INCISE CAPSULE
- G MAX TENDON MAY BE RELEASED FOR GREATER EXPOSURE

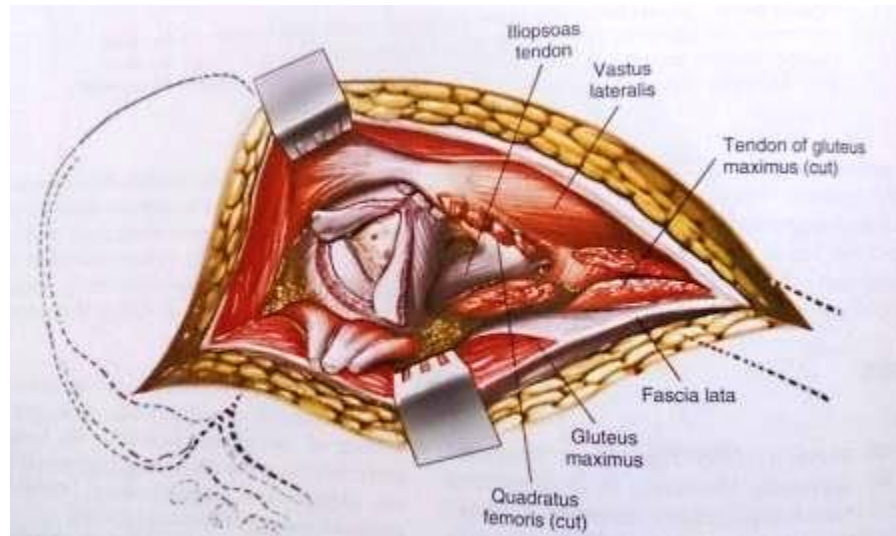












# SALIENT FEATURES OF POSTERIOR APP

- MORE EXTENSILE
- CAN BLEED MORE
- DISLOCATION RATE HIGHER
- MY PREFERRED APP IN PRIMARY AND REVISION THR

# SUMMARY

- HAVE A CLEAR STEP WISE APPROACH TO POSITIONING AND SURGICAL APPROACH
- ALWAYS POSITION THE PT YOURSELF
- ANTICIPATE PROBLEMS AT EVERY LEVEL
- IF YOU ARE STUCK,GO BACK A FEW STEPS AND REVIEW THINGS