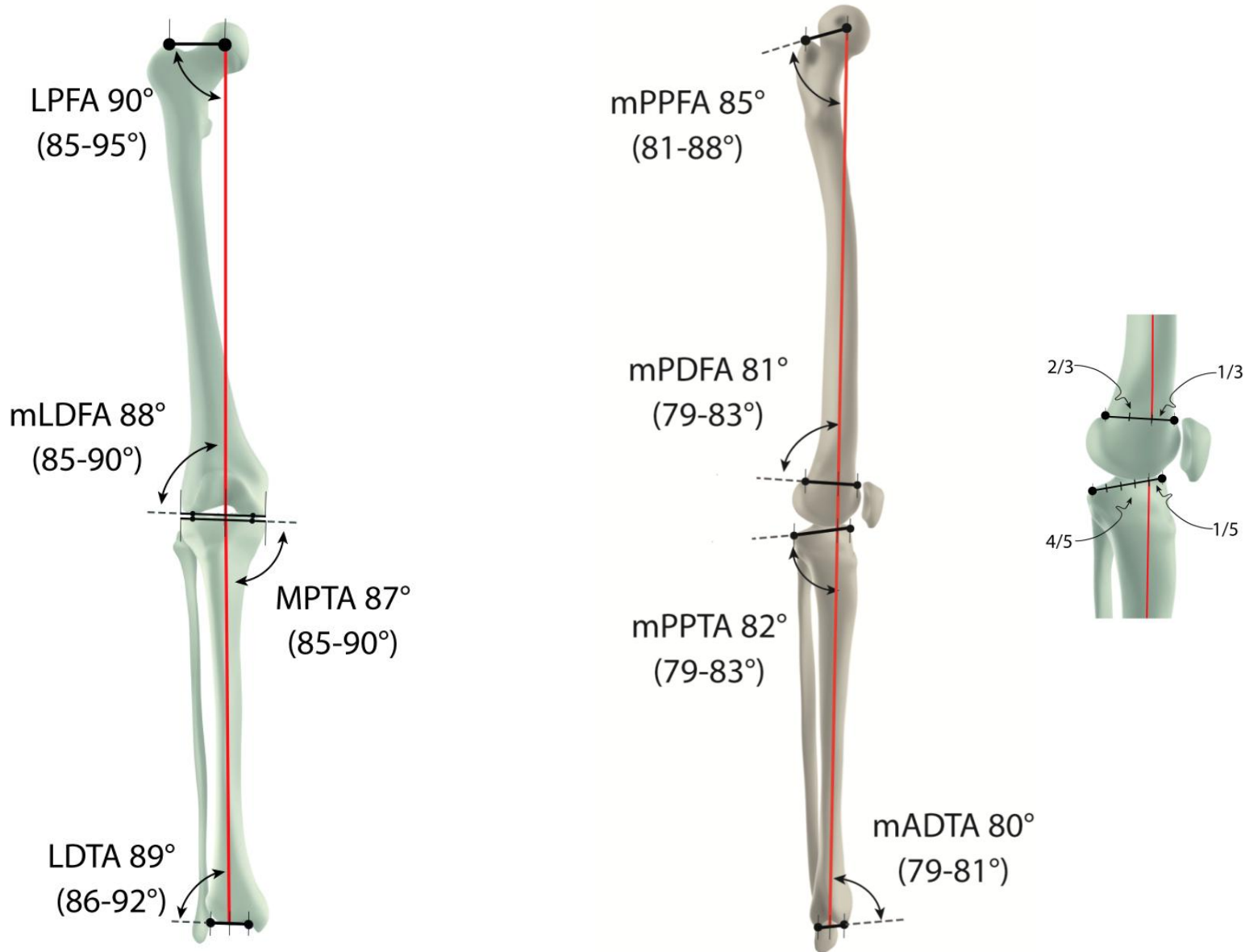


Fracture reduction evaluation (practical exercise)

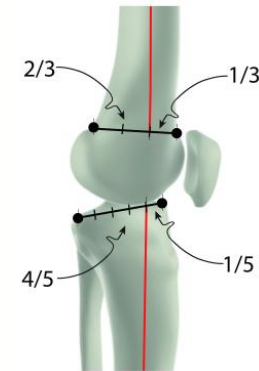
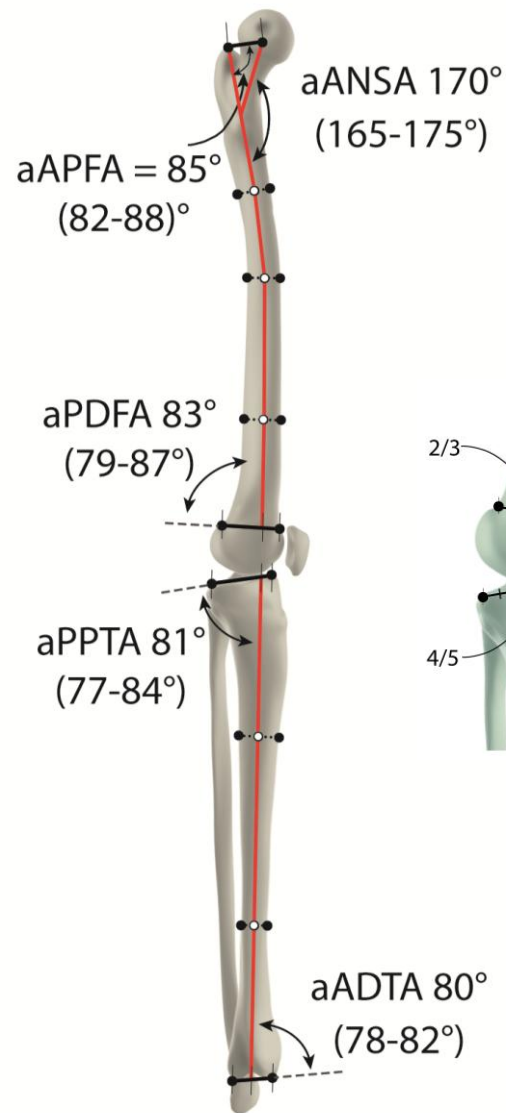
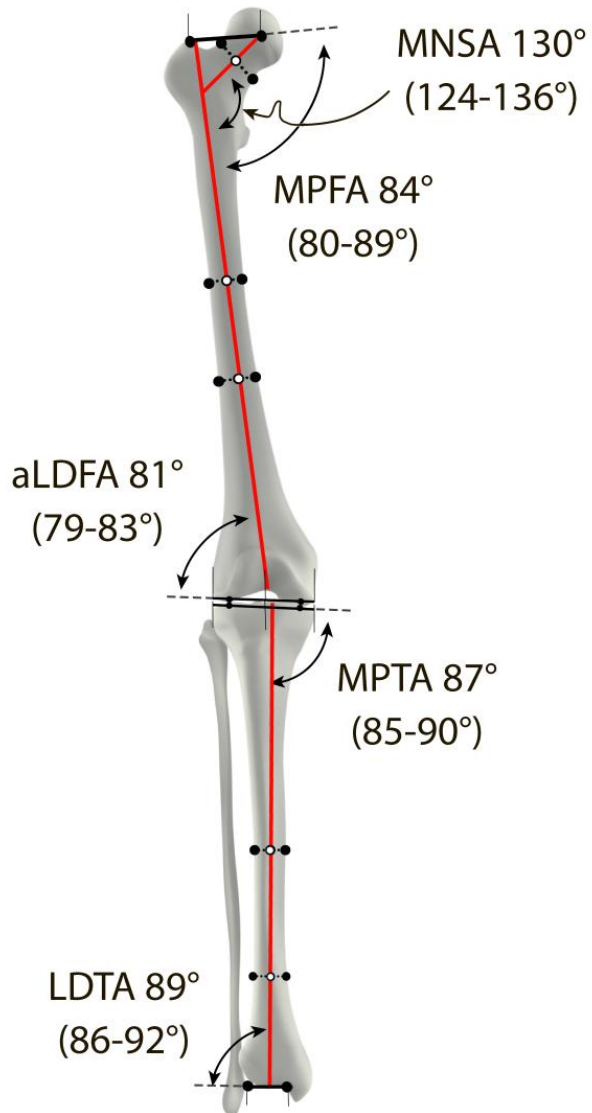


<http://rniito.org>

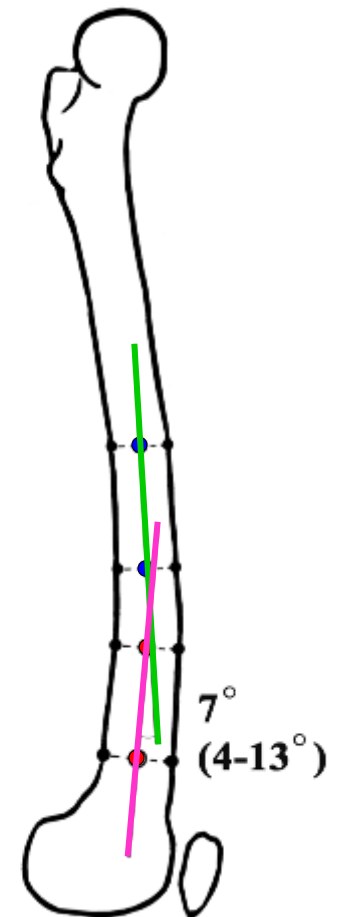
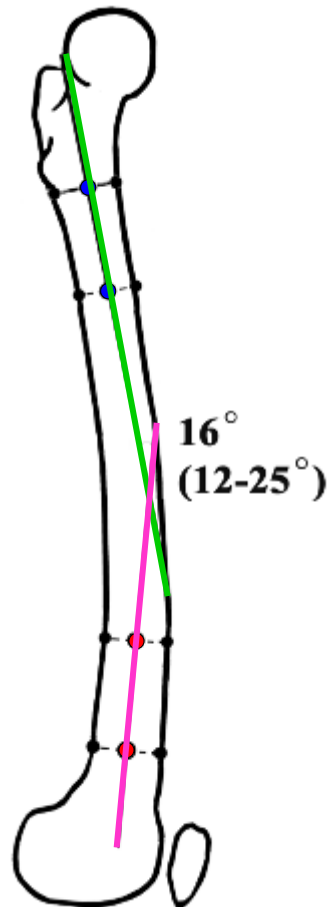
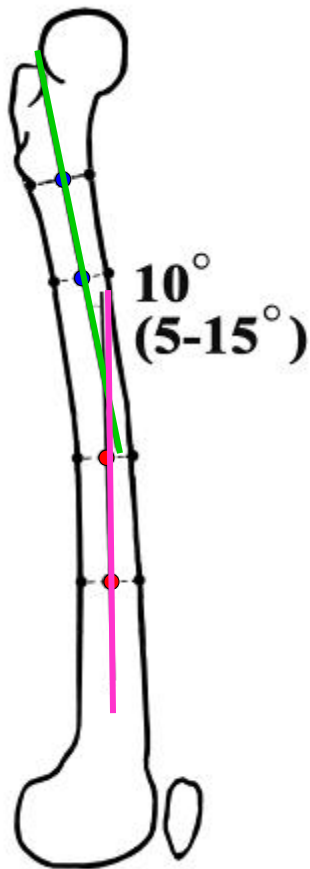
Reference Angles Nomenclature: mechanical



Reference Angles Nomenclature: anatomic



Reference Angles Nomenclature: anatomic



Reference Angles Nomenclature

abbreviation	complete title	average normal value and range
MAD	mechanical axis deviation	0 (3 lat. - 8 med.) mm
Mechanical angles of femur		
LPFA	lateral proximal femoral angle	90° (85-95°)
mLDFA	mechanical lateral distal femoral angle	88° (85-90°)
mPPFA	mechanical posterior proximal femoral angle	85° (81-88°)
mPDFA	mechanical posterior distal femoral angle	81° (79-83°)
Mechanical angles of tibia		
mMPTA	mechanical medial proximal tibial angle	87° (85-90°)
mLDTA	mechanical lateral distal tibial angle	89° (86-92°)
mPPTA	mechanical posterior proximal tibial angle	82° (79-83°)
mADTA	mechanical anterior distal tibial angle	80° (79-81°)
Anatomic angles of femur		
MPFA	medial proximal femoral angle	84° (80-89°)
MNSA	medial neck shaft angle	130° (124-136°)
aLDFA	anatomic lateral distal femoral angle	81° (79-83°)
aAPFA	anatomic anterior proximal femoral angle	85° (82-88°)
ANSA	anterior neck shaft angle	170° (165-175°)
aPDFA	anatomic posterior distal femoral angle	83° (79-87°)
Anatomic angles of tibia		
aMPTA	anatomic medial proximal tibial angle	87° (85-90°)
aLDTA	anatomic lateral distal tibial angle	89° (86-92°)
aPPTA	anatomic posterior proximal tibial angle	81° (77-84°)
aADTA	anatomic anterior distal tibial angle	80° (78-82°)
Addition angles		
JLCA	joint line convergence angle	0-2°
AMA	anatomic-mechanical angle	7° (5-9°)
mTFA	Mechanical tibiofemoral angle	0-1.3° varus
aTFA	Anatomic tibiofemoral angle	6-7° varus

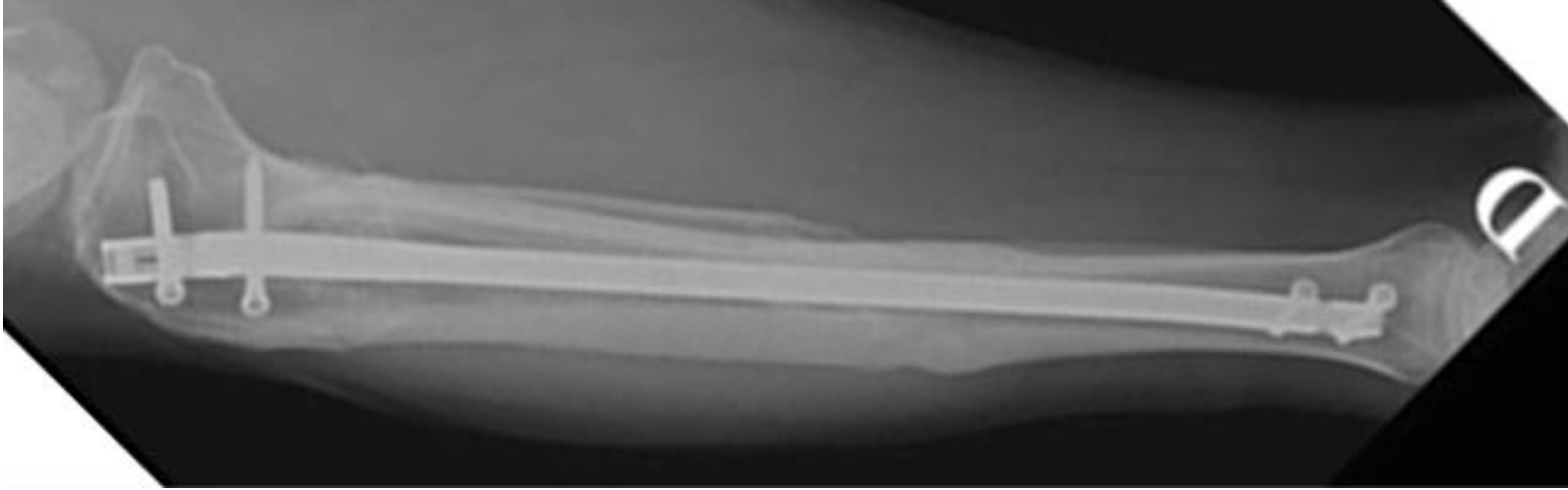
Is there malreduction?

MPTA =

LDTA =

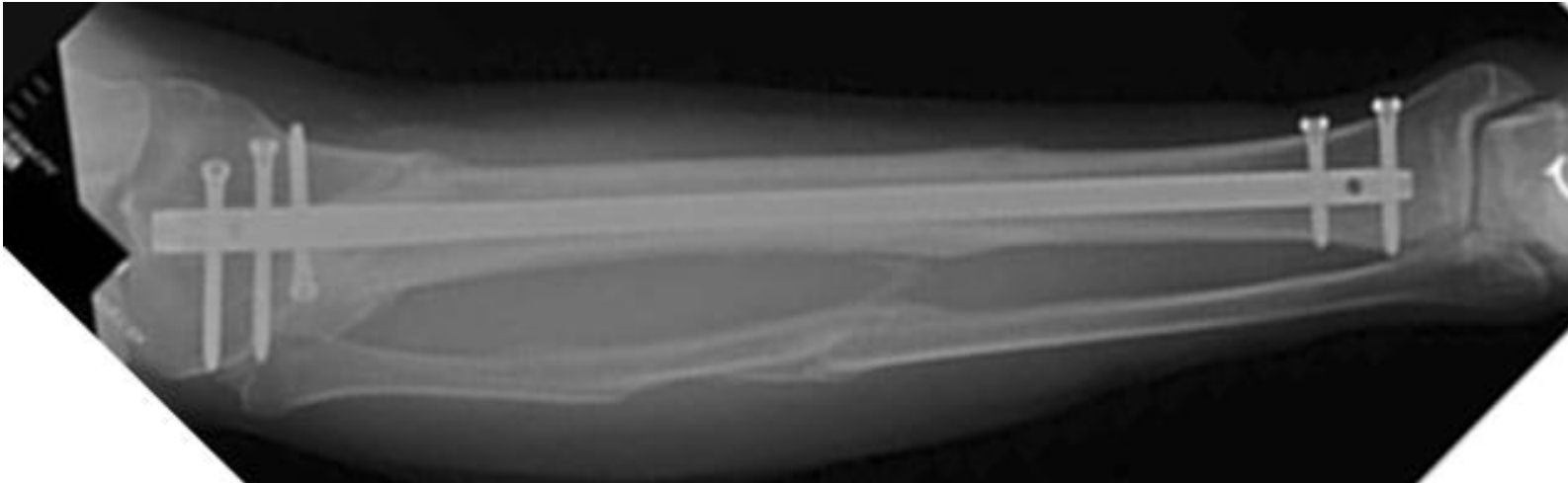


Is there malreduction?



PPTA =

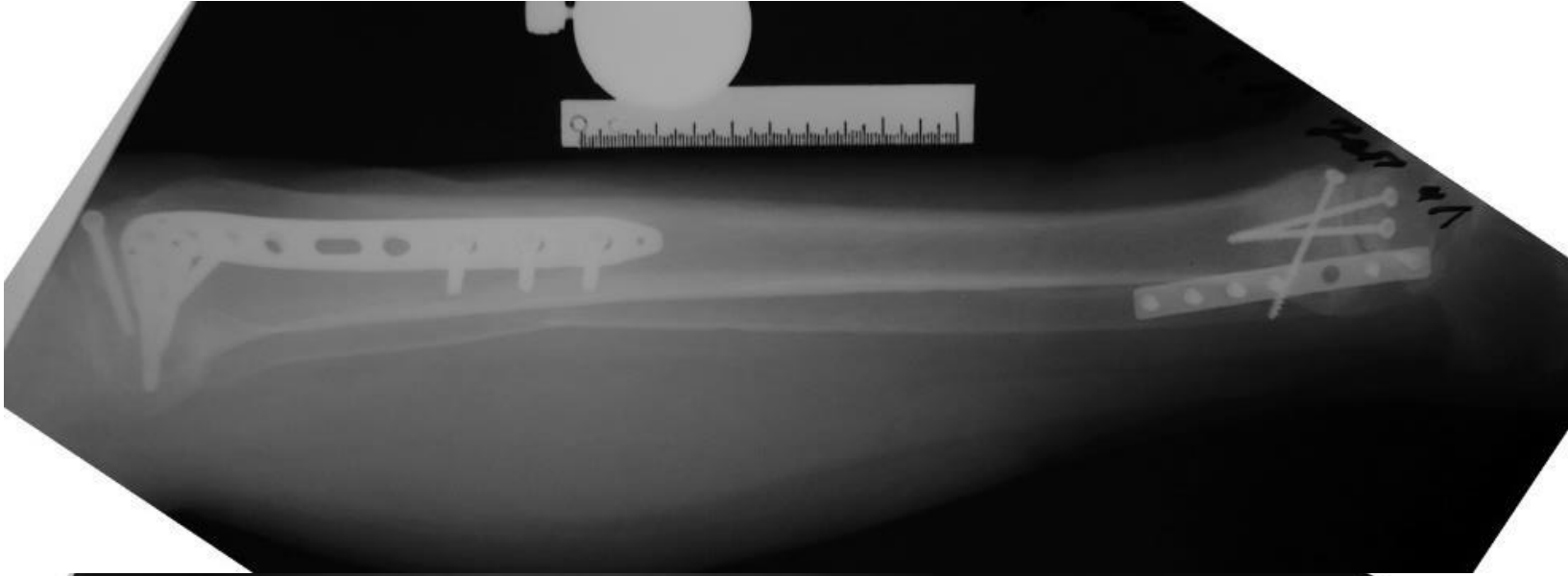
ADTA =



MPTA =

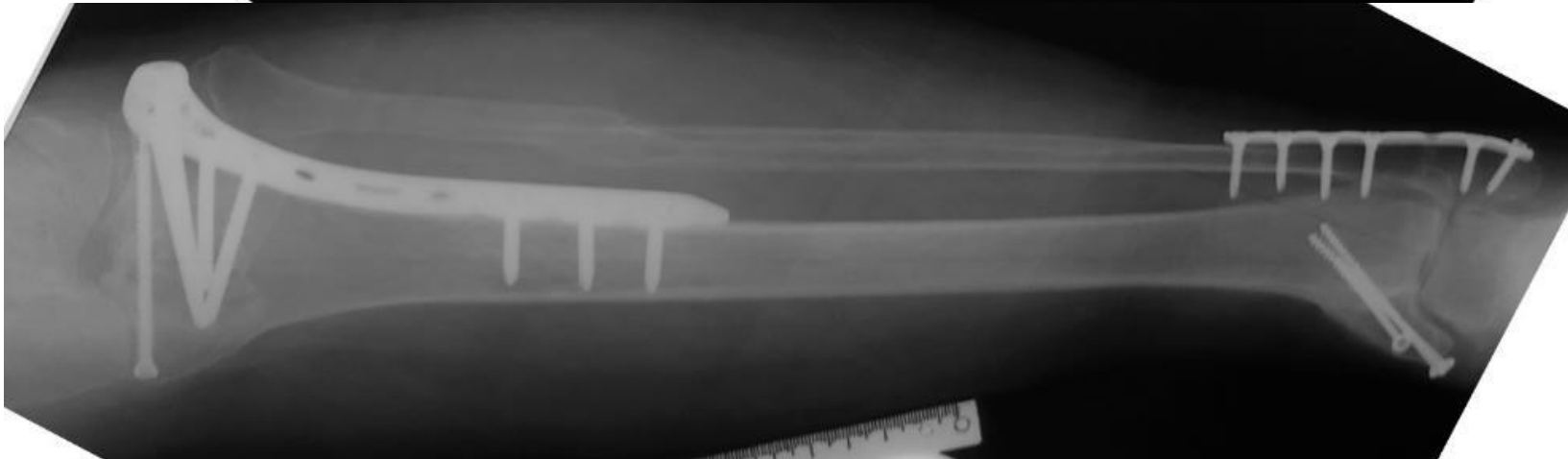
LDTA =

Is there malreduction?



PPTA =

ADTA =



MPTA =

LDTA =

Is there malreduction?

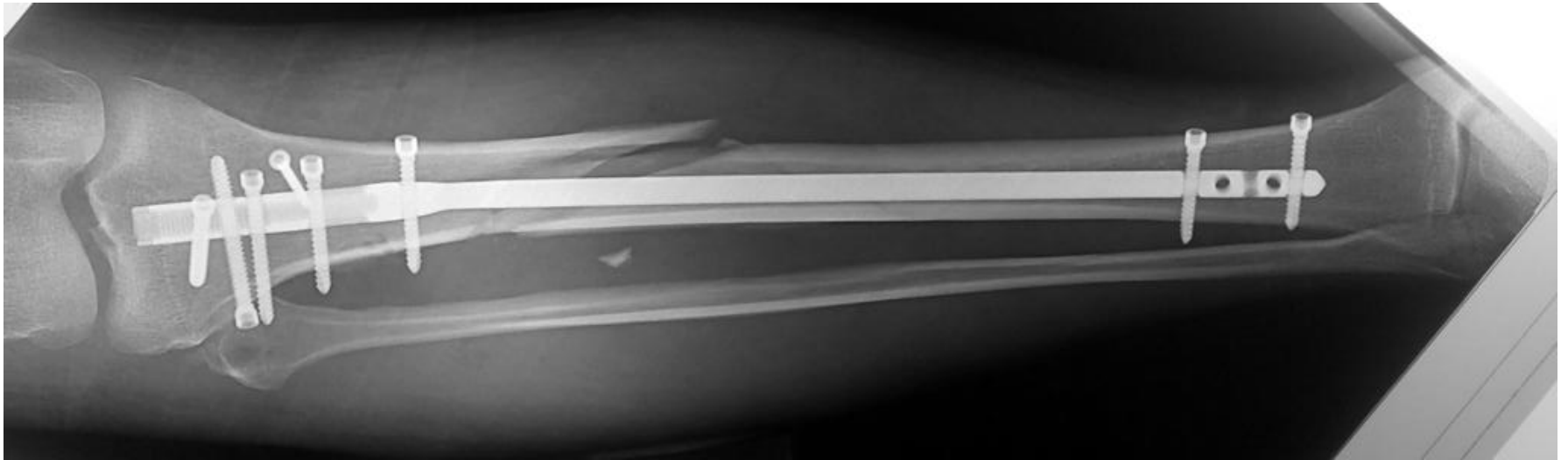
MPTA =



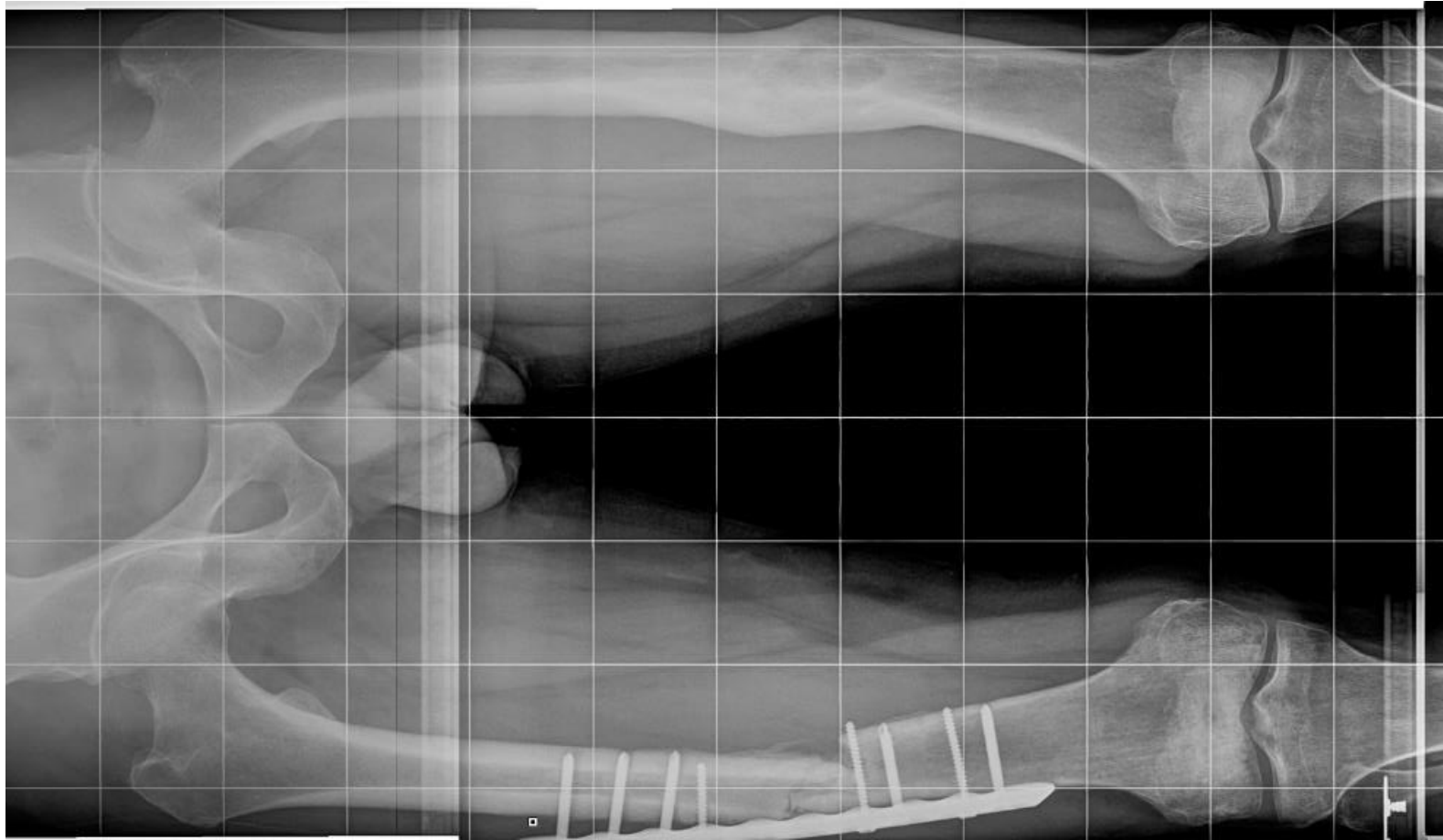
Is there malreduction?

MPTA =

LDTA =



Is there malreduction?



mLPFA =

mLDFA =

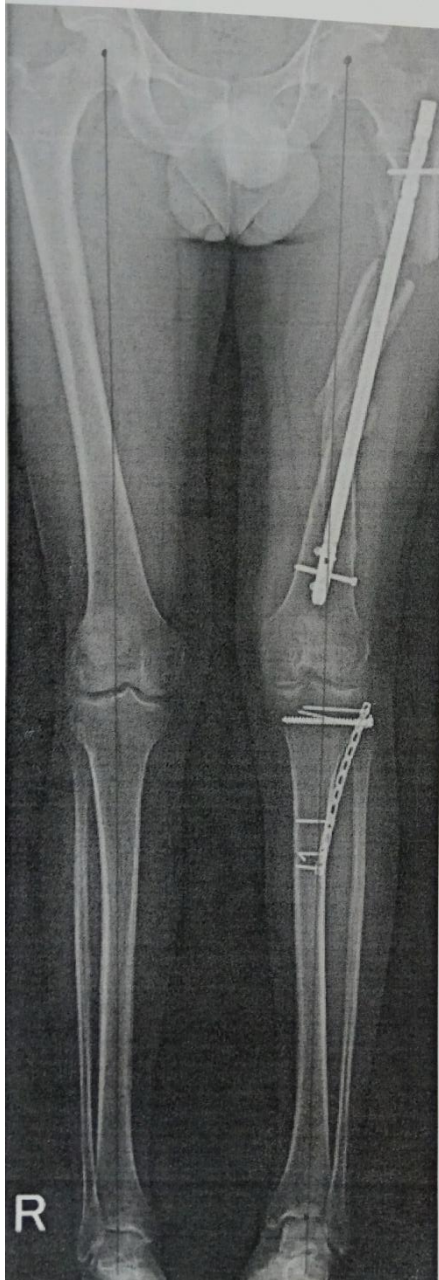
Is there malreduction?



mLPFA =

mLDFA =

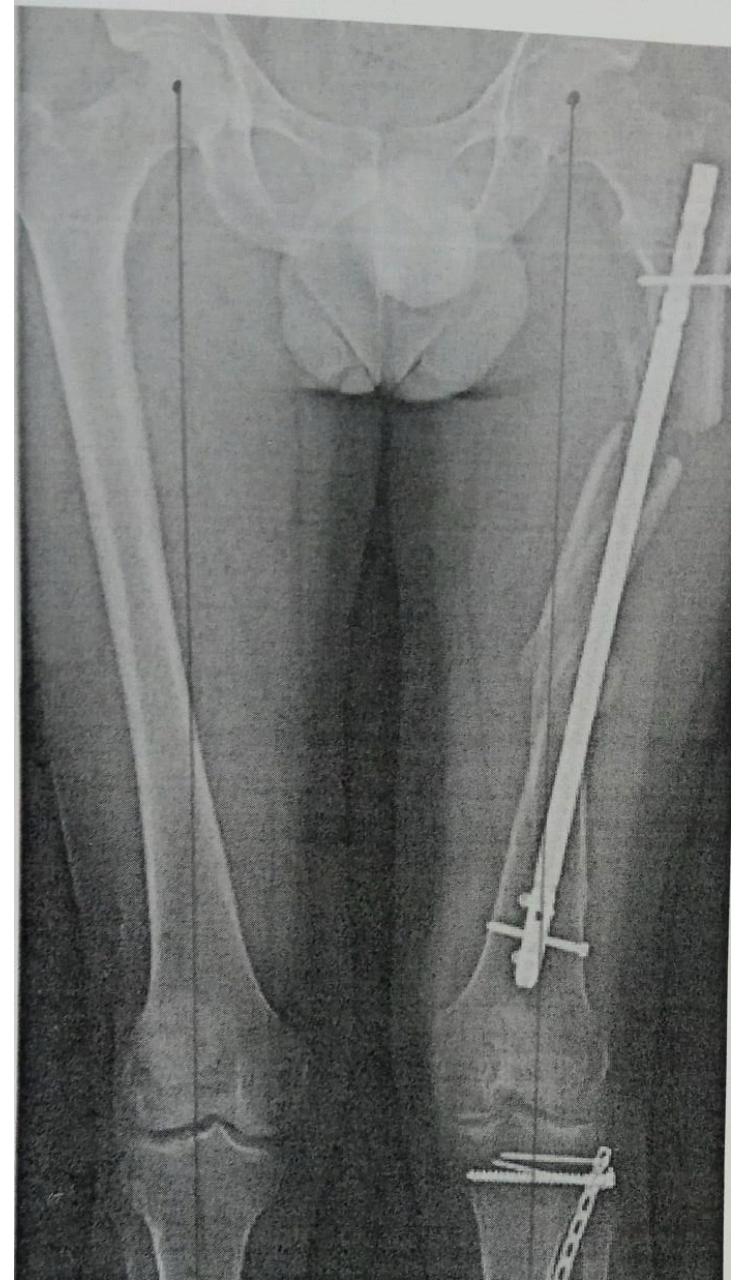
Is there malreduction?



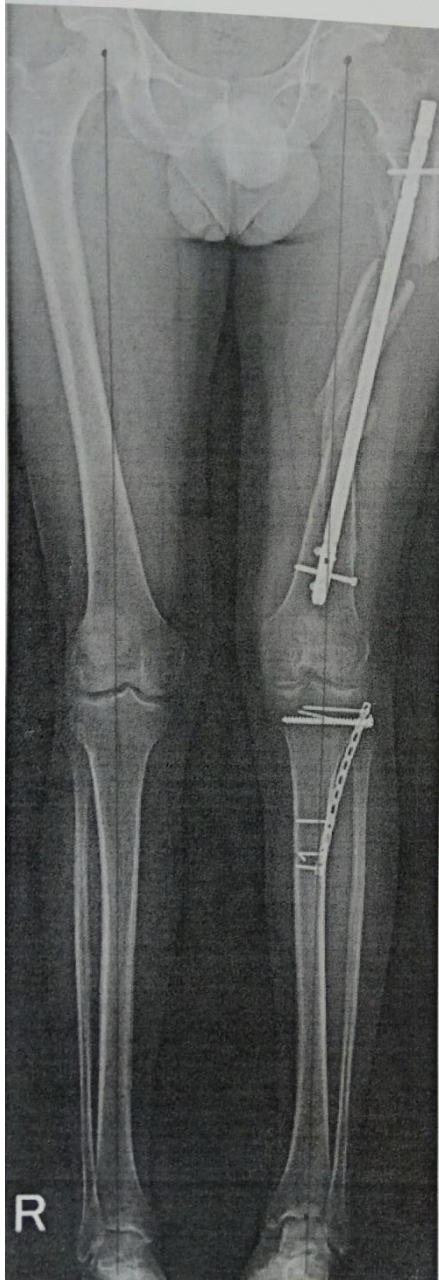
mLPFA =

mLDFA =

MAD =



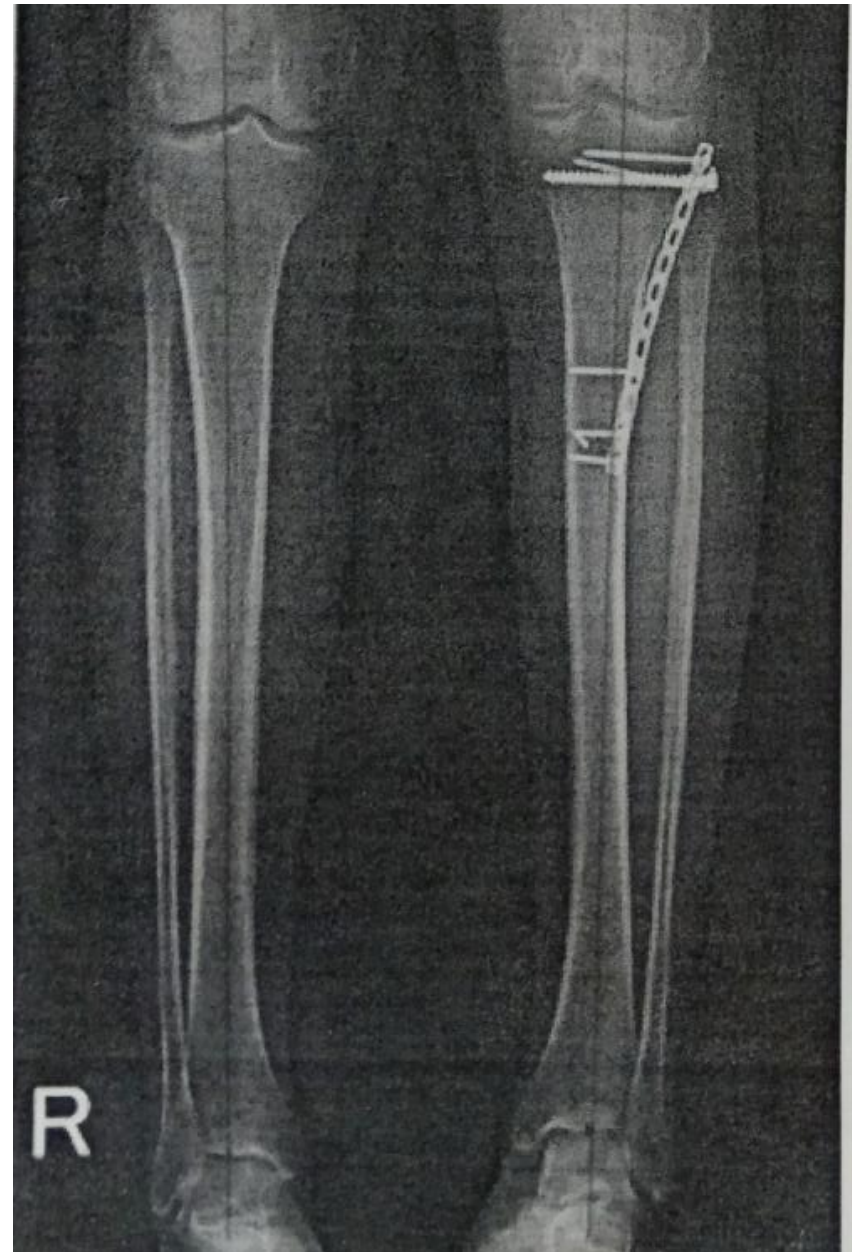
Is there malreduction?



MPTA =

LDTA =

JLCA =



Is there malunion?

PDFA =

