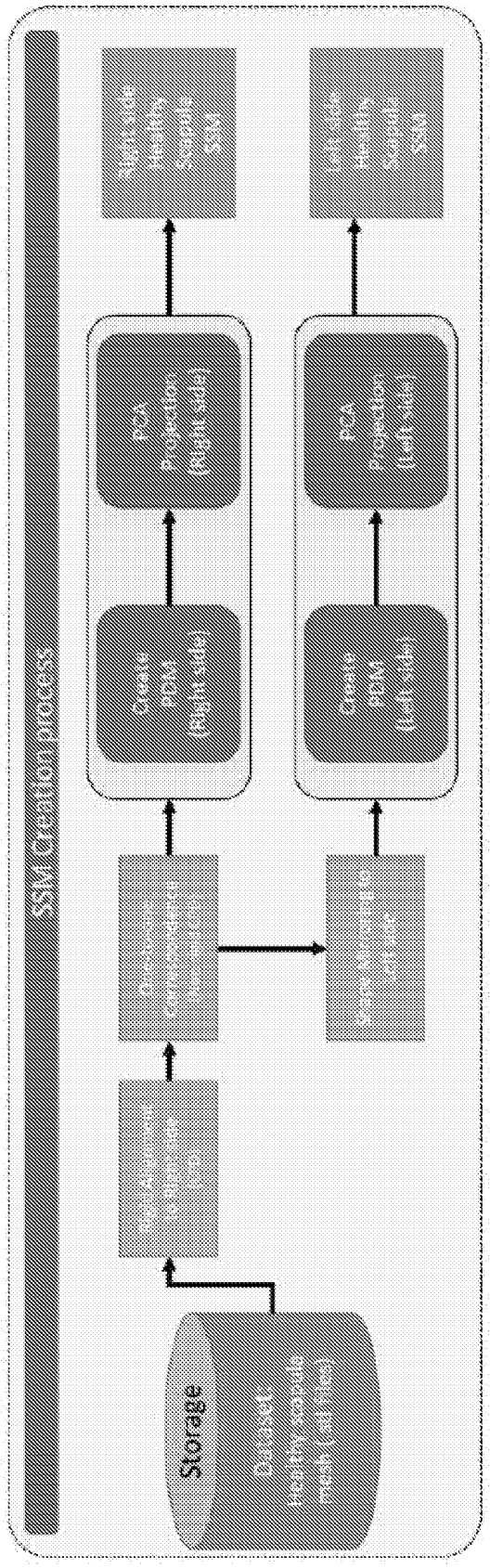

SSM creation process
Storage
Create PDM (left side)
Create PDM (right side)
PCA Projection (left side)
PCA Projection (right side)

FIGURE 1

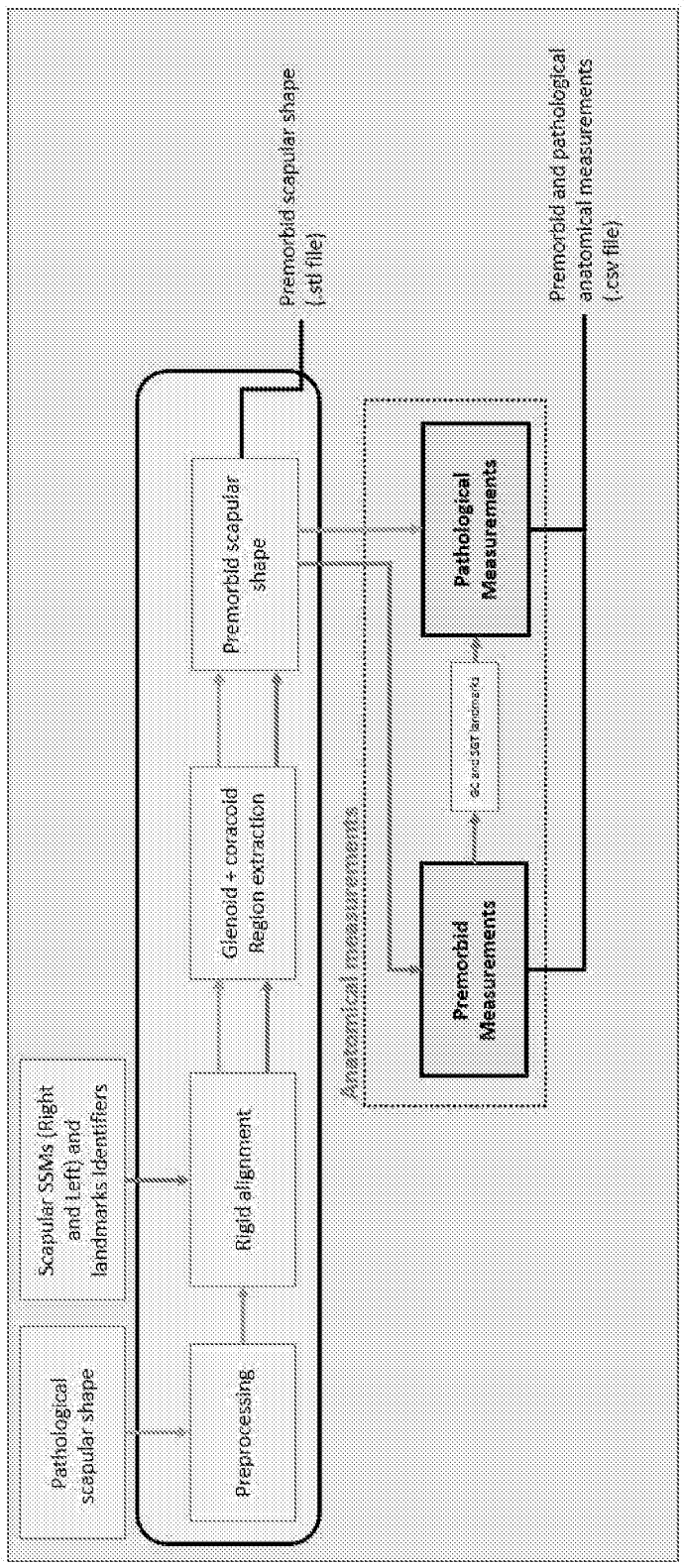

Pathological scapular shape
Scapular SSMs (Right and Left) and landmarks identifiers
Preprocessing
Rigid alignment
Glenoid + coracoid Region extraction
Premorbid scapular shape
Premorbid scapular shape (.stl file)
Anatomical measurements
Pathological Measurements
Premorbid Measurements
Premorbid and pathological anatomical measurements (.csv file)

FIGURE 2

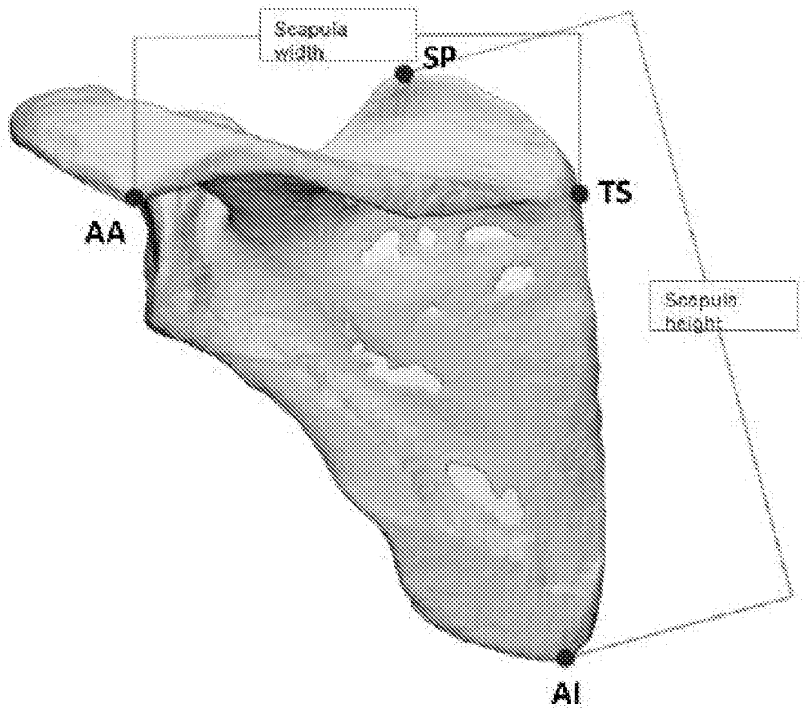


FIGURE 3

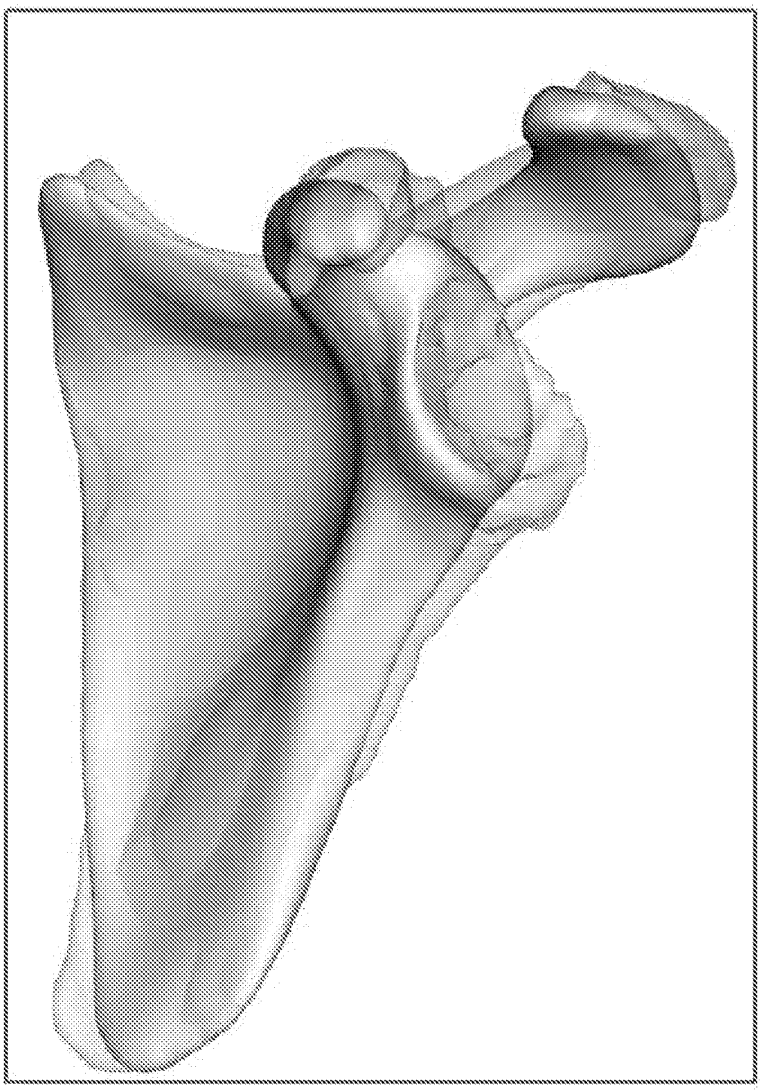


FIGURE 4

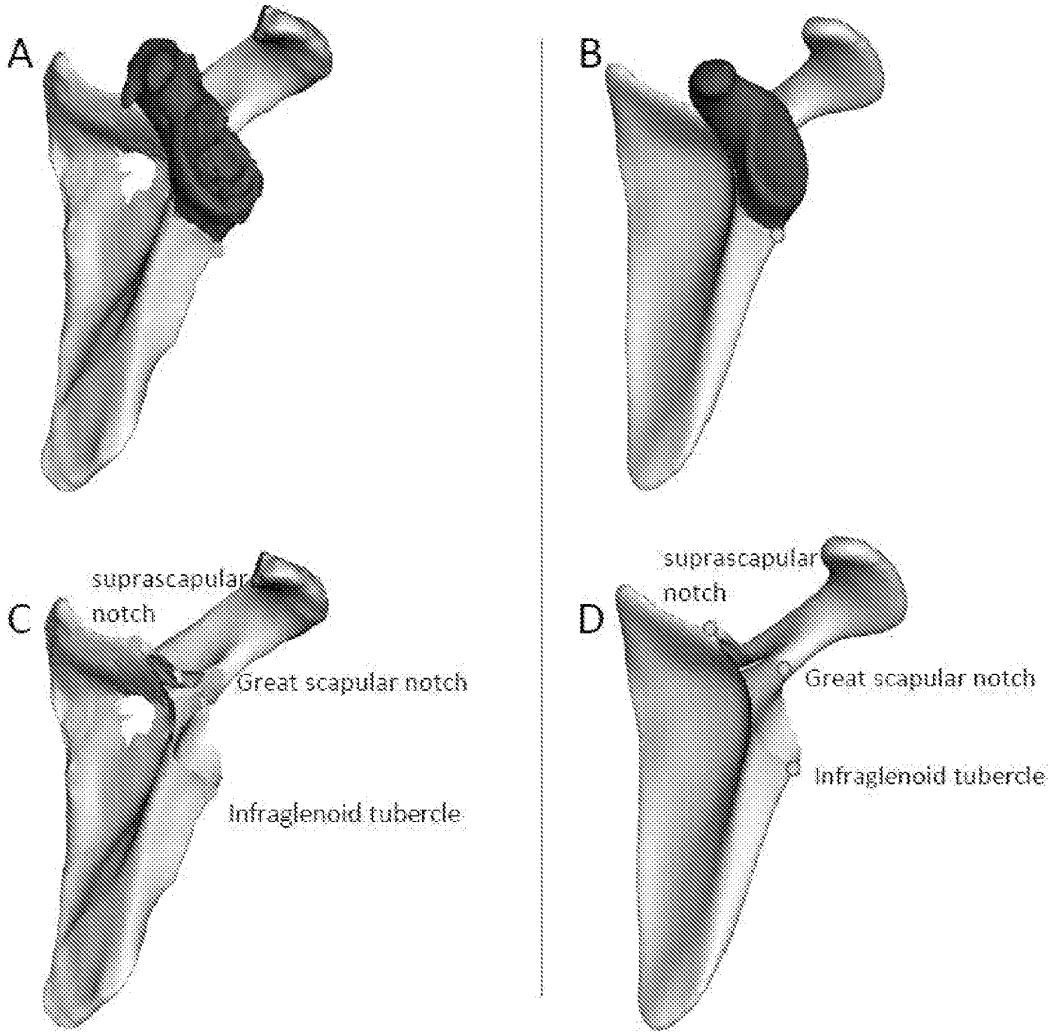

A
B
C
suprascapular notch
Great scapular notch
Infraglenoid tubercle
D
suprascapular notch
Great scapular notch
Infraglenoid tubercle

FIGURE 5

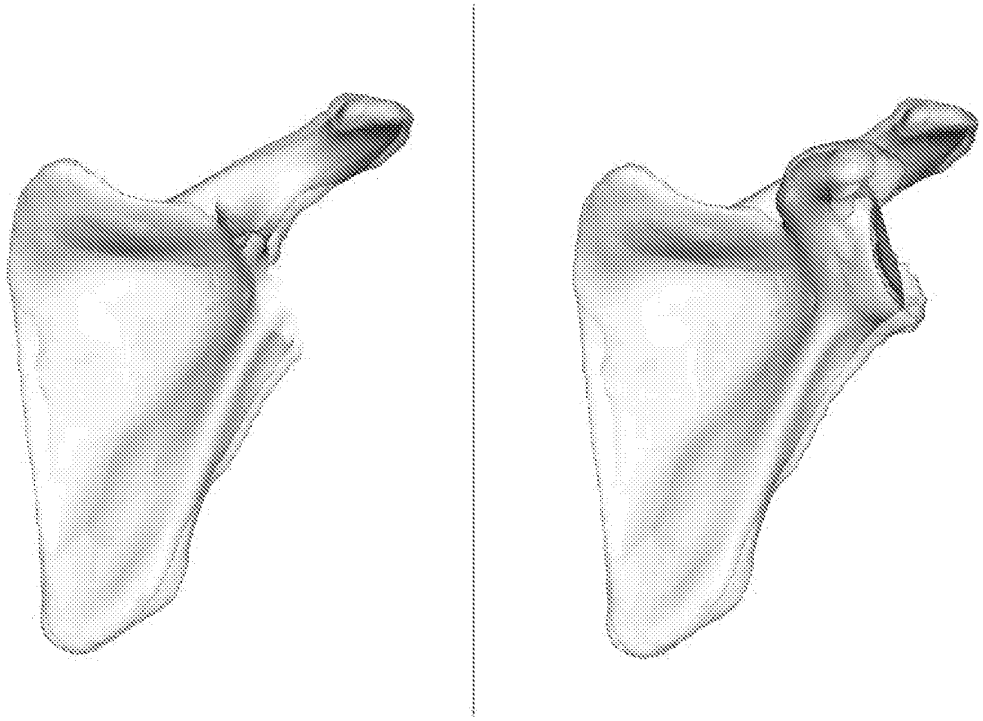


FIGURE 6

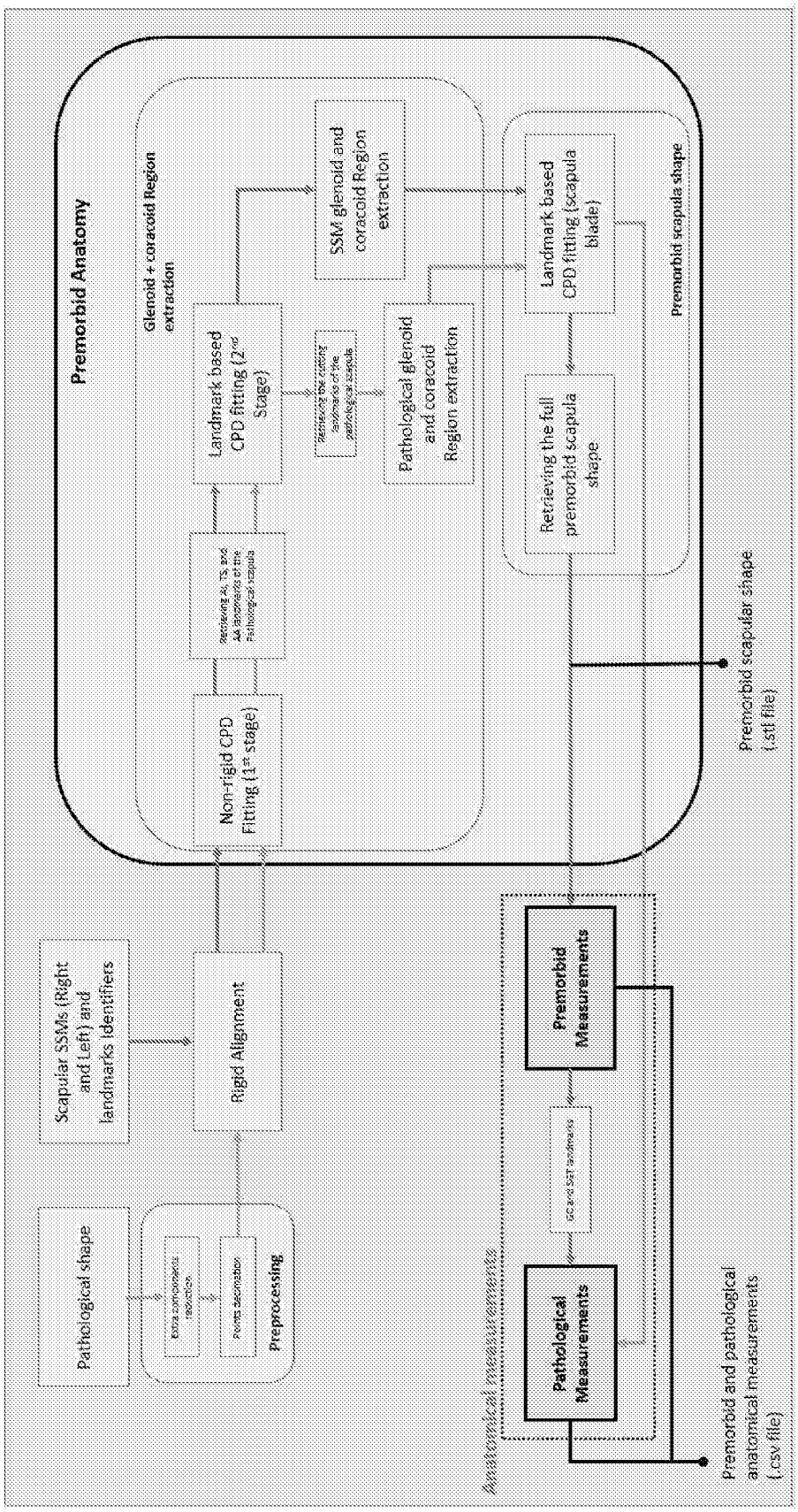

Premorbid Anatomy
Glenoid + coracoid Region extraction
Landmark based CPD fitting (2nd Stage)
SSM glenoid and coracoid Region extraction
Retrieving the coordinates of the pathological scapula
Pathological glenoid and coracoid Region extraction
Non-rigid CPD Fitting (1st stage)
Retrieving the full premorbid scapula shape
Landmark based CPD fitting (scapula blade)
Premorbid scapula shape
Premorbid scapular shape (.stl file)
Scapular SSMs (Right and Left) and landmarks identifiers
Rigid Alignment
Pathological shape
Preprocessing
Extra components reduction
Points decimation
Premorbid Measurements
Pathological Measurements
Anatomical measurements
Premorbid and pathological anatomical measurements (.csv file)

FIGURE 7