

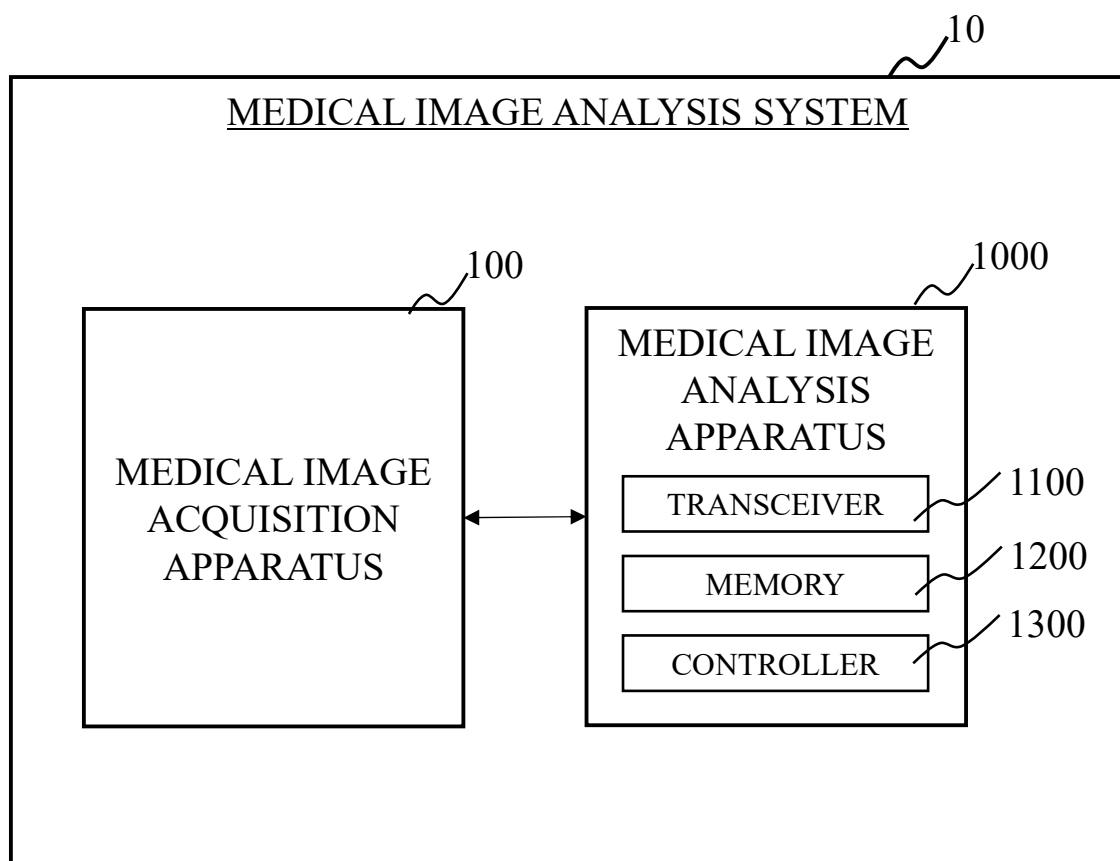


FIG. 1

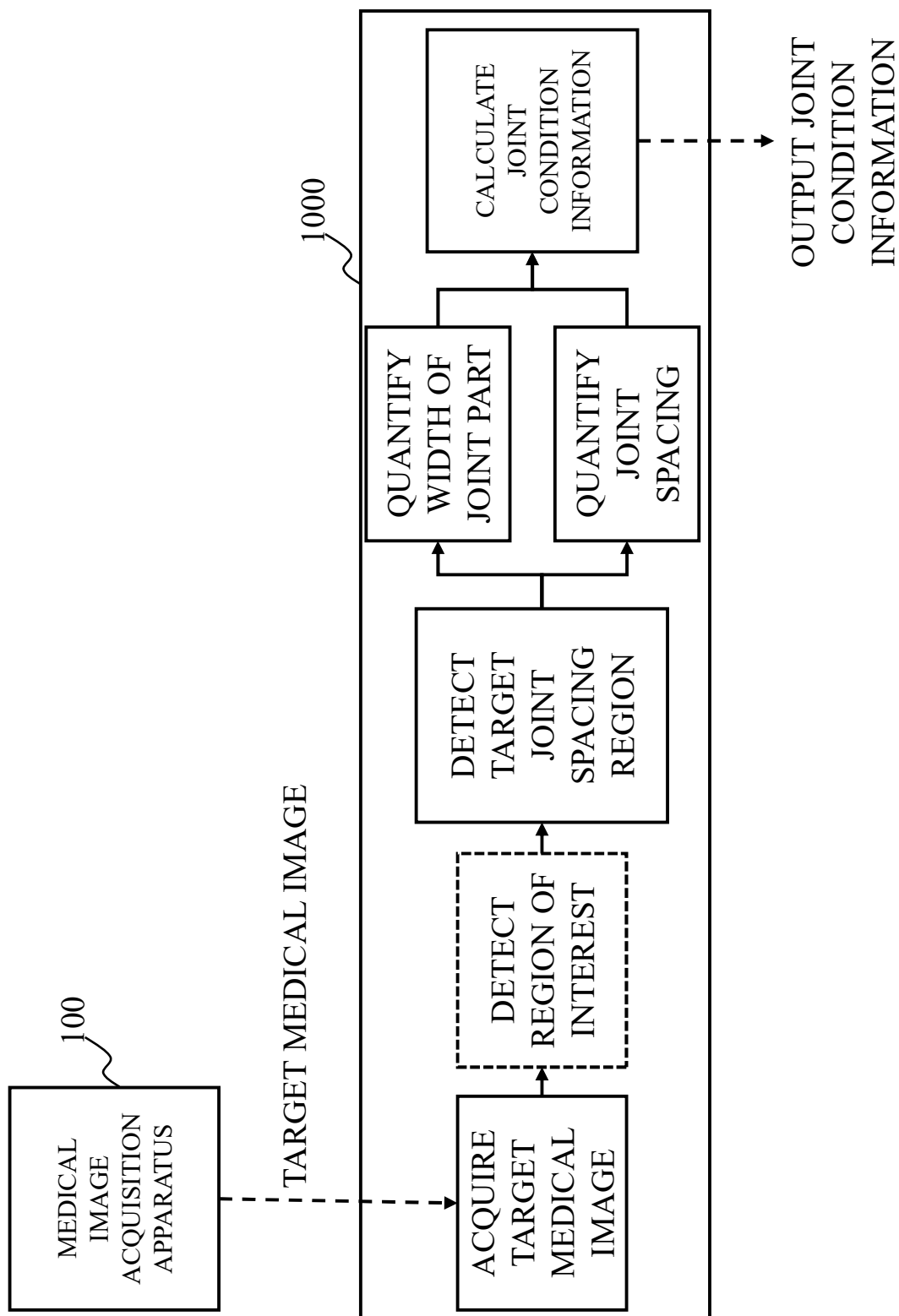


FIG. 2

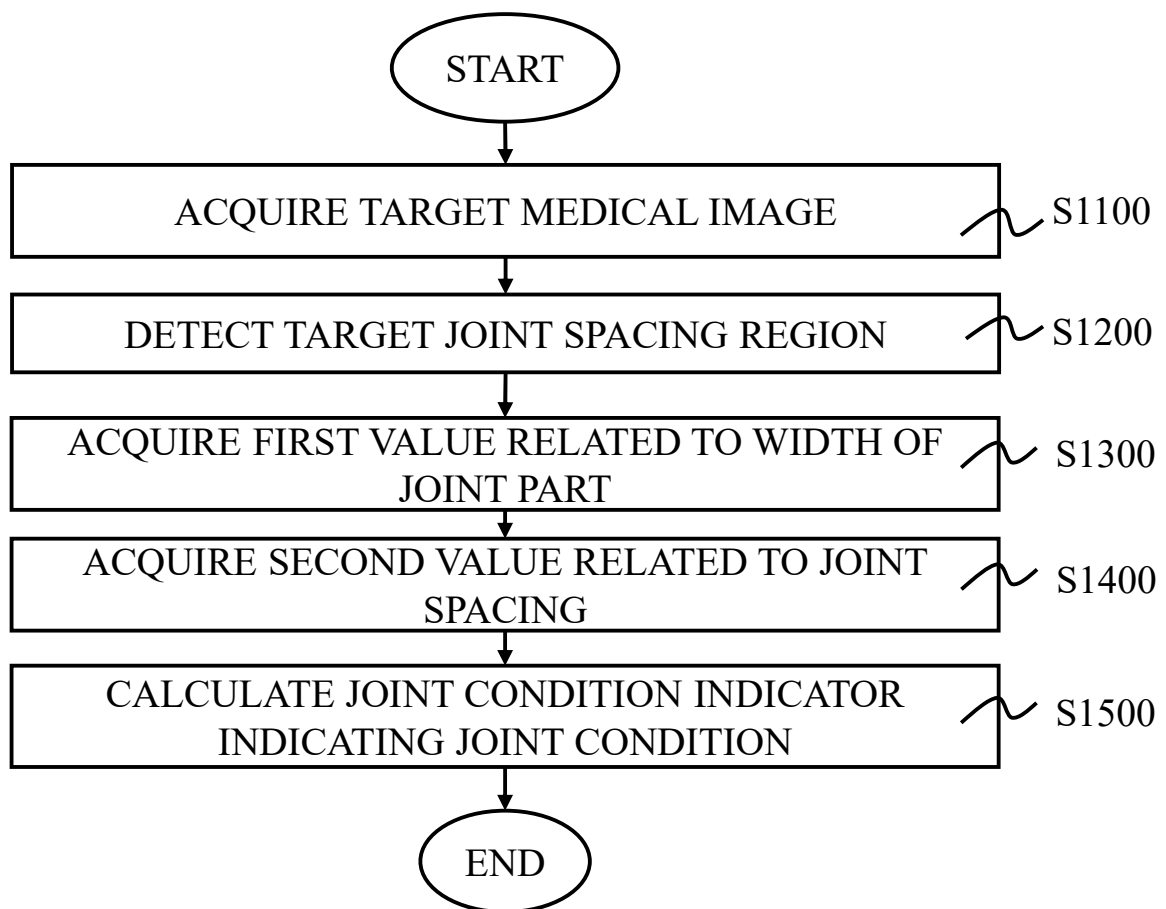


FIG. 3

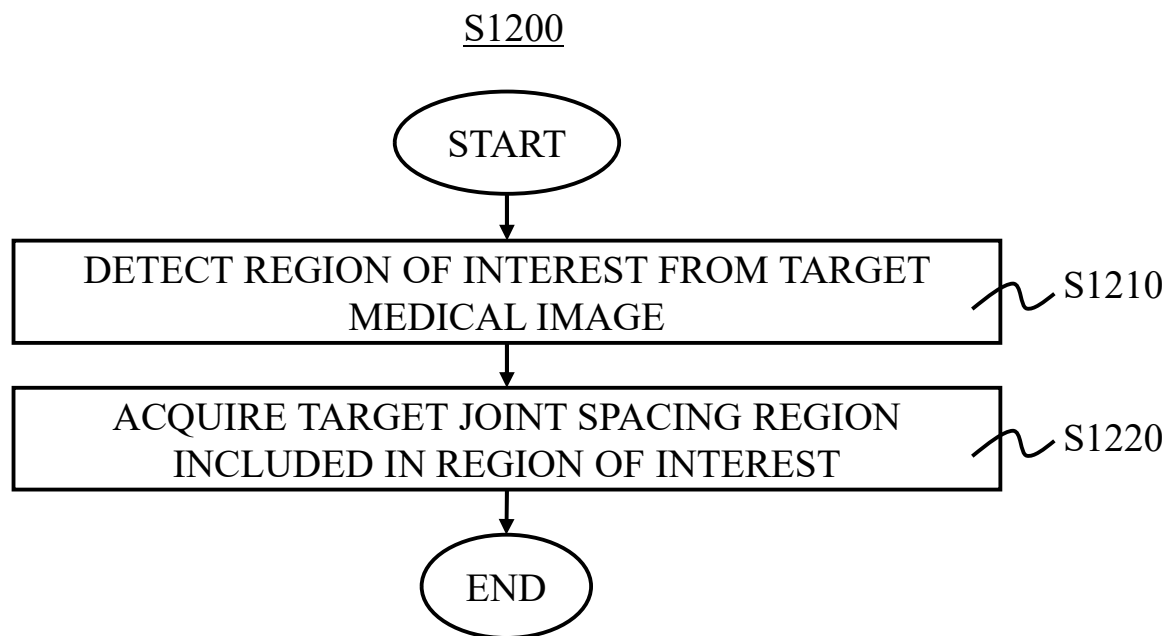


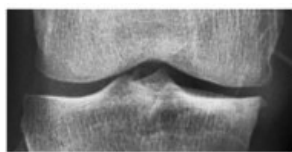
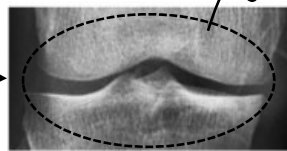
FIG. 4

TARGET MEDICAL IMAGE



FIRST
NEURAL
NETWORK
MODEL

REGION OF INTEREST(ROI)



SECOND
NEURAL
NETWORK
MODEL



TARGET
JOINT
SPACING
REGION

FIG. 5

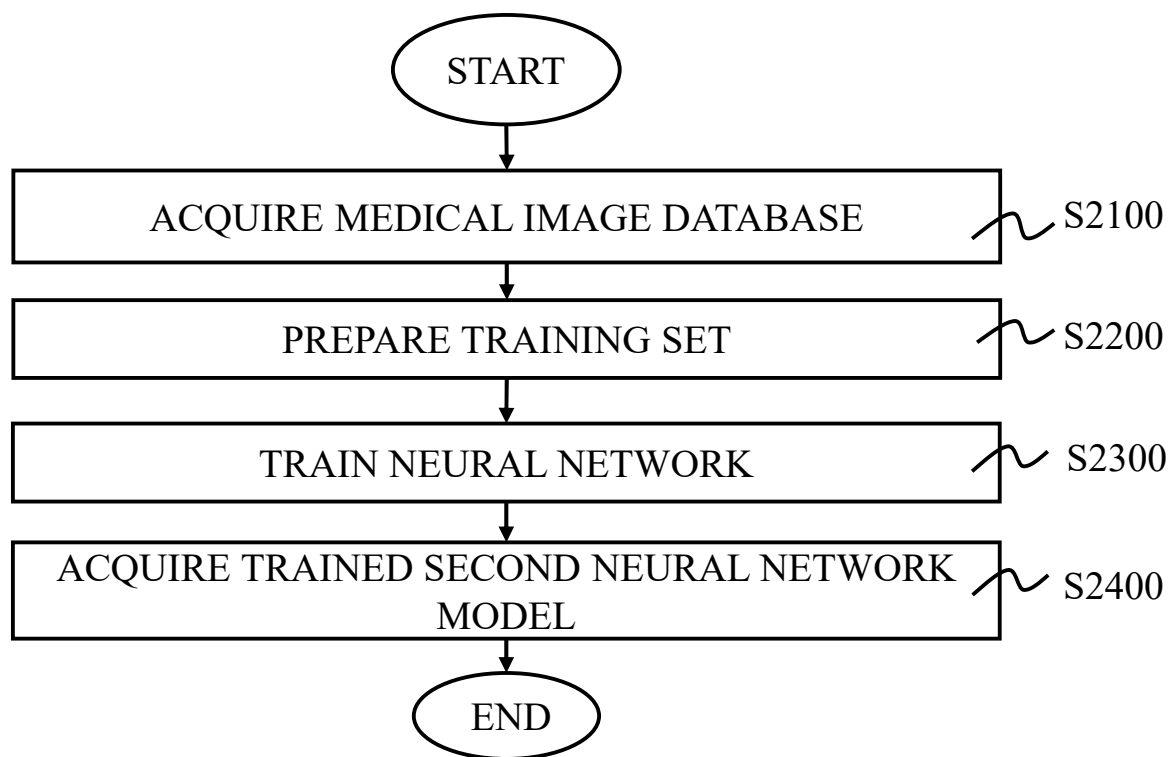


FIG. 6

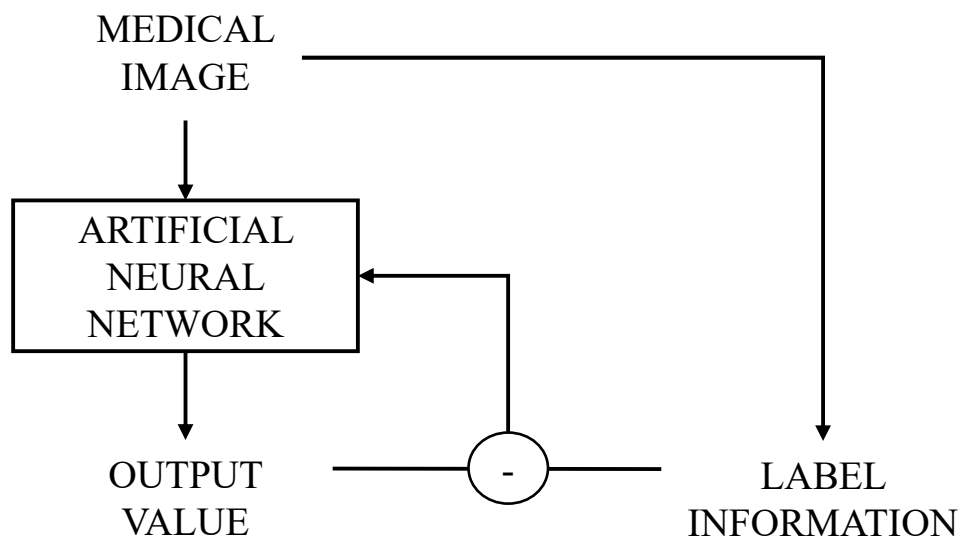


FIG. 7

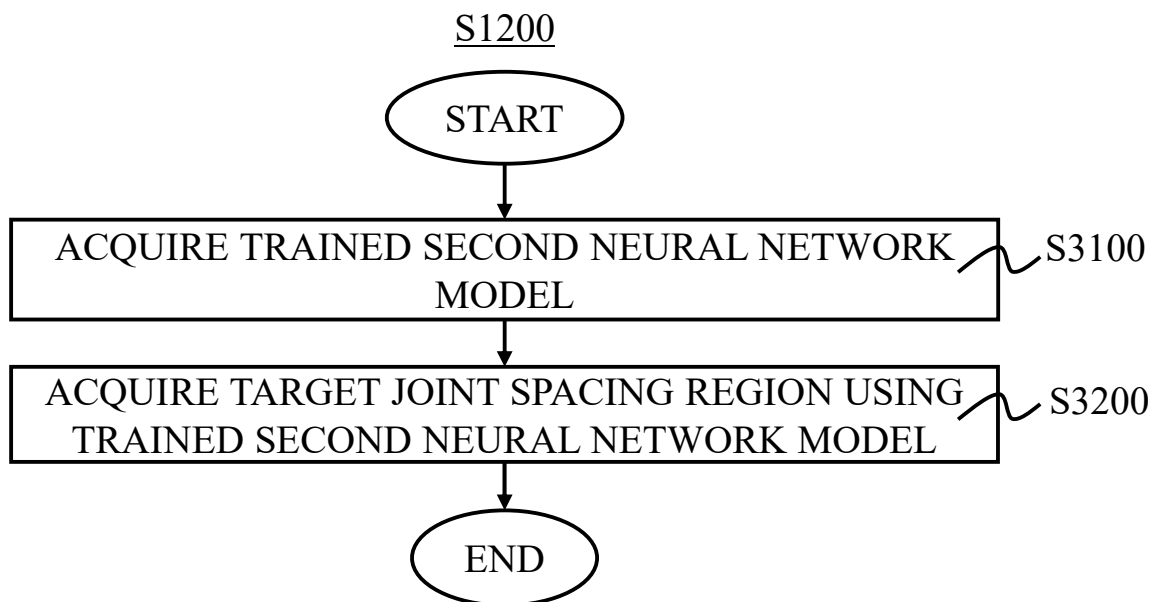


FIG. 8

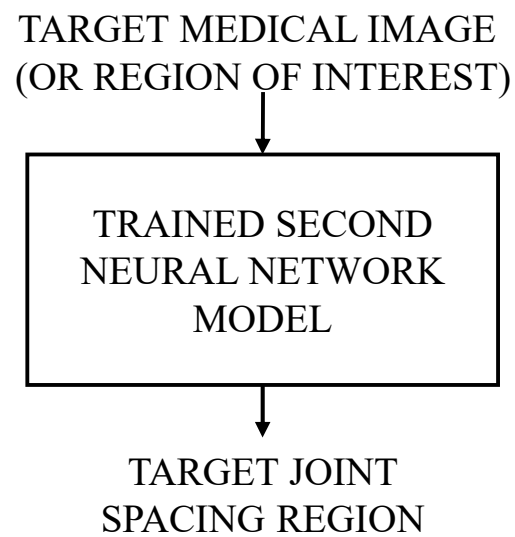


FIG. 9

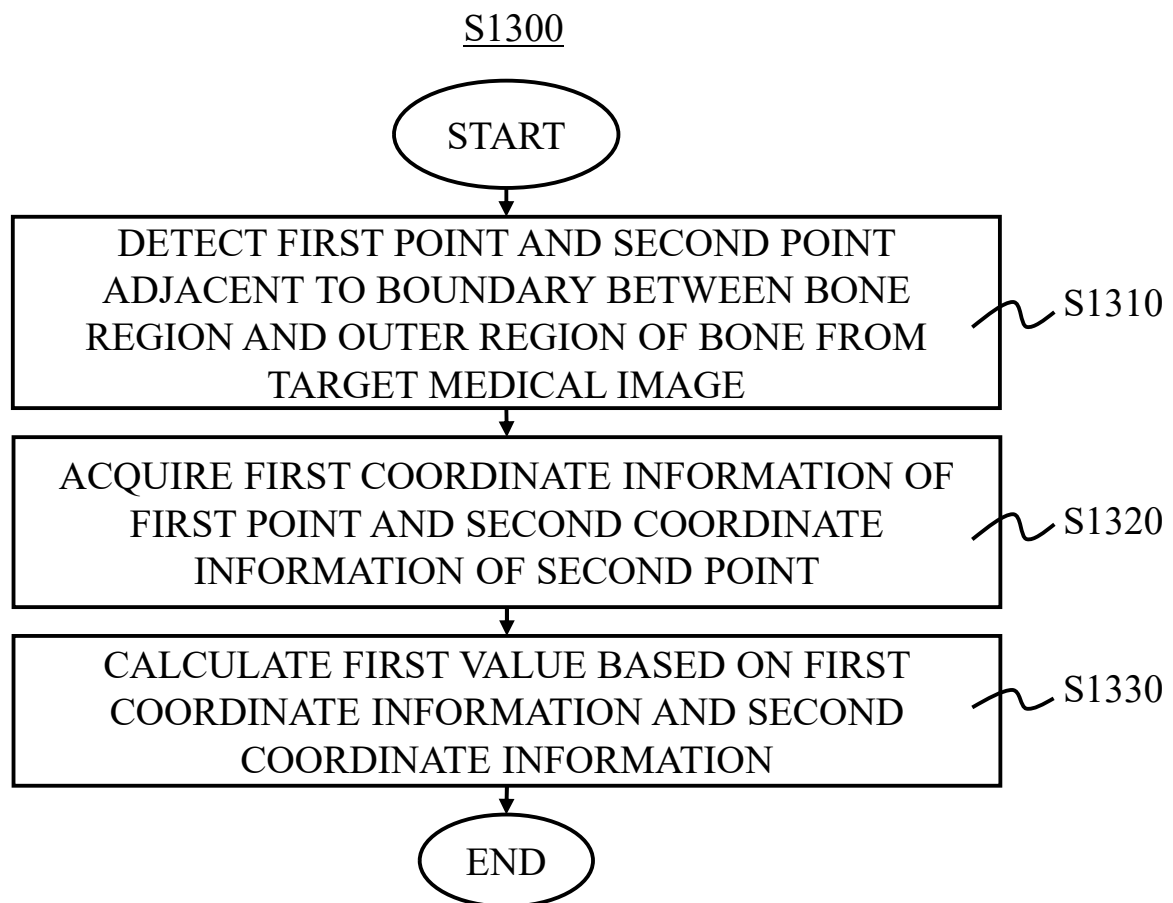


FIG. 10

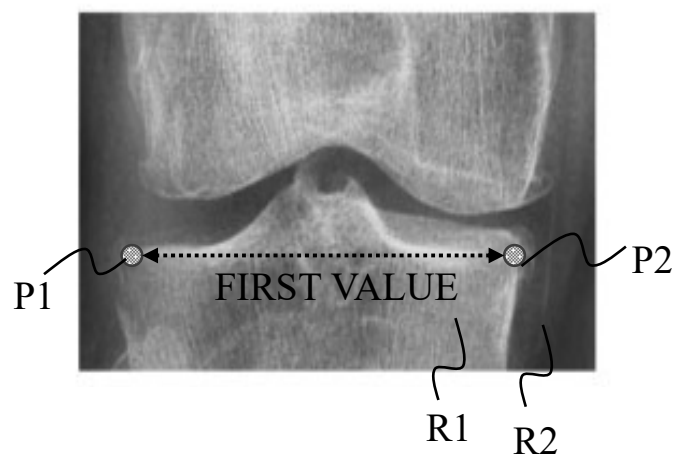


FIG. 11

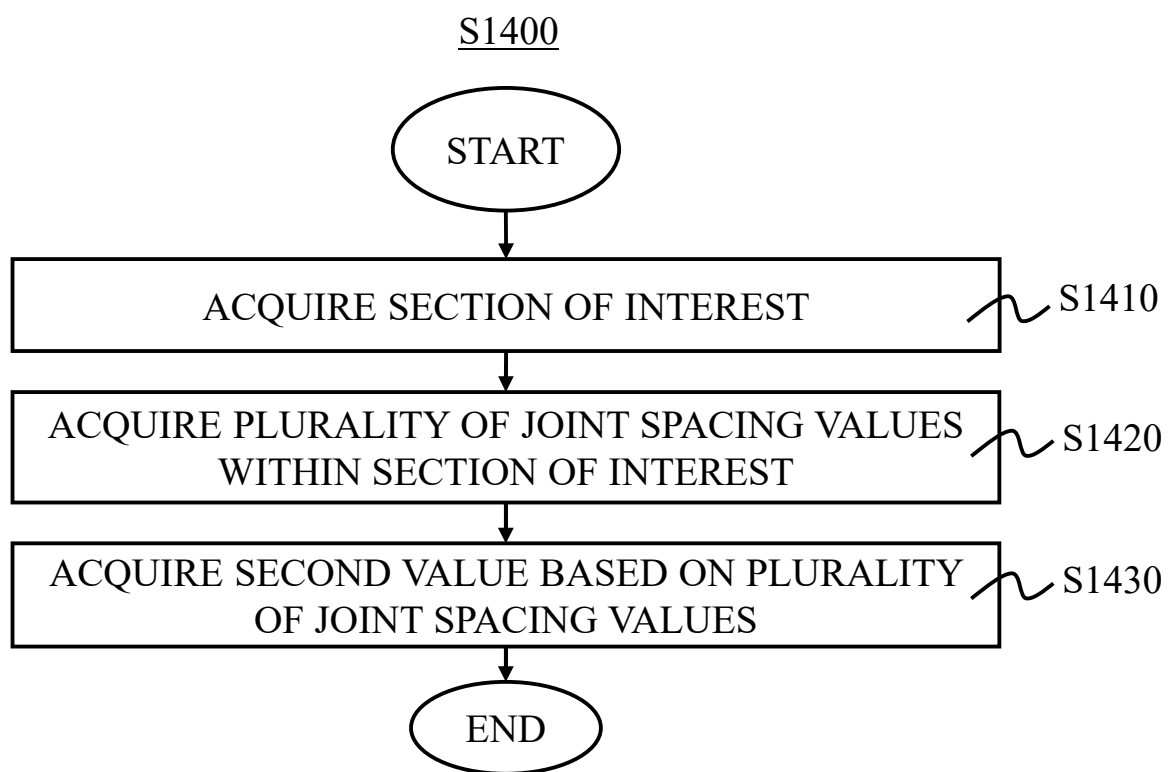


FIG. 12

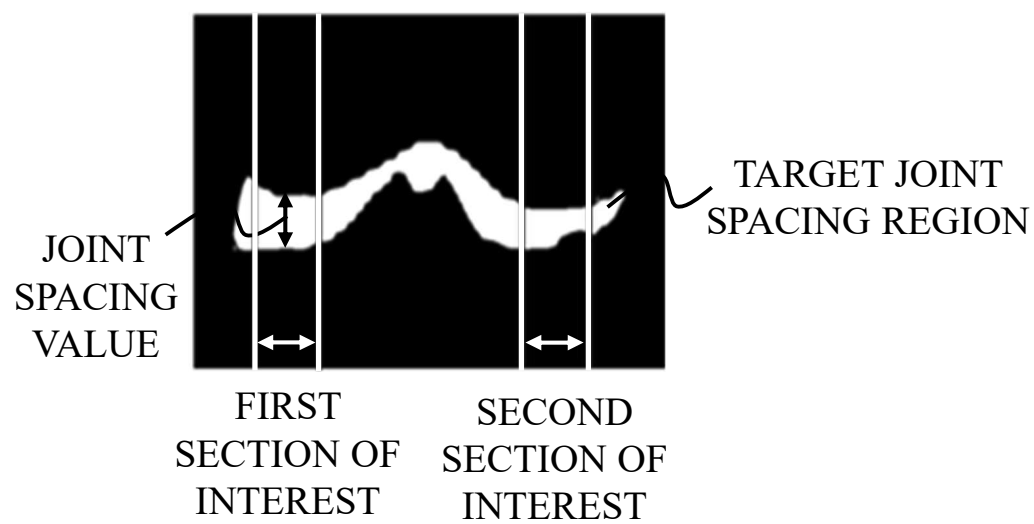


FIG. 13