Supplemental material

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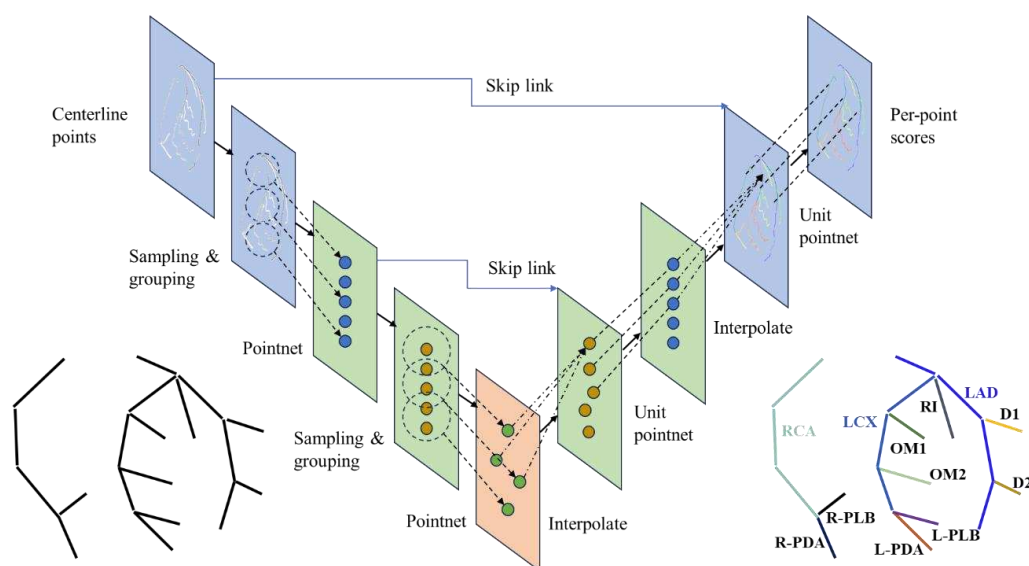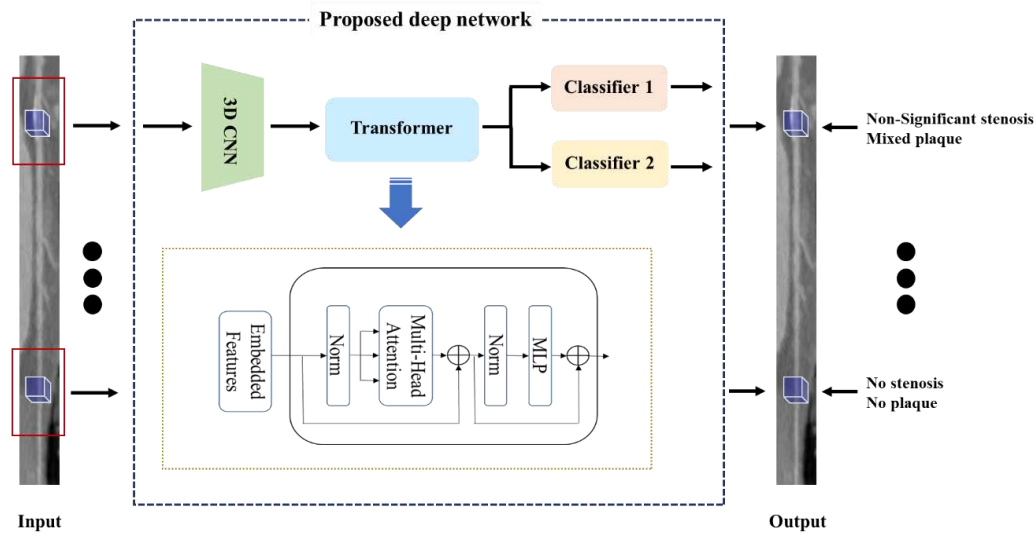
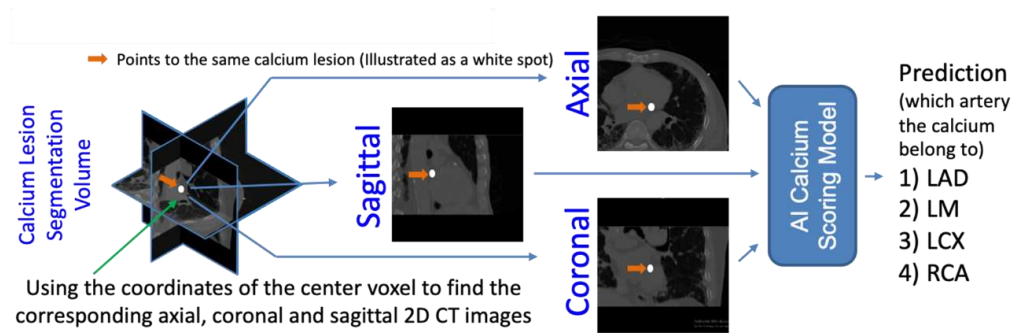*BMJ Open*

Supplemental Material

Supplemental Figure 1. Diagram of graph PointNet for coronary artery segment labelling.
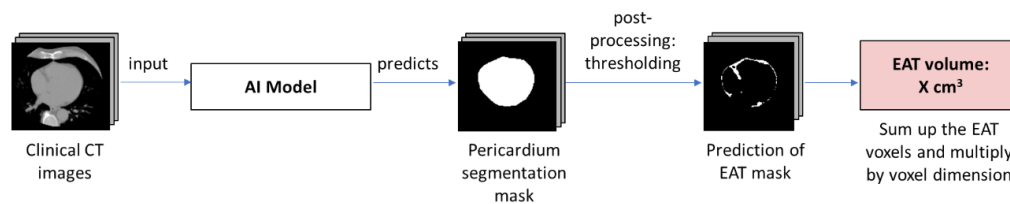
LAD: left anterior descending; LCX: left circumflex; LM: left main; RCA: right coronary artery; D1: first diagonal artery; D2: second diagonal artery; OM1, OM2: obtuse marginal arteries; RI: ramus intermedius; R-PLB: right posterior lateral branch; R-PDA: right posterior descending artery; L-PLB: left posterior lateral branch; L-PDA: left posterior descending artery.

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Supplemental Figure 2. Multiple-target three-dimensional (3D) Transformer on 3D image classifier for joint stenosis grading, plaque quantification and characterization. CNN: convolutional neural networks.

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Supplemental Figure 3. Workflow for calcium score quantification using convolutional neural networks (CNN). LM: left main; LAD: left anterior descending; LCX: left circumflex; LM: left main; RCA: right coronary artery.

Supplemental Figure 4. Workflow for AI EAT quantification. AI: artificial intelligence; EAT: epicardial adipose tissue.