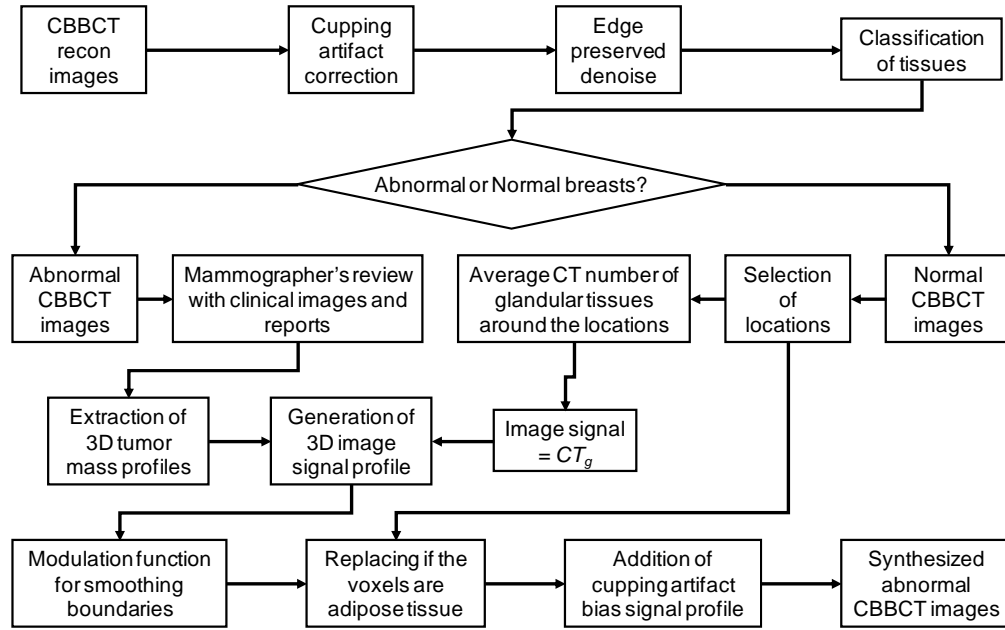Fig. 1: The flowchart for extraction and insertion of 3D tumor masses for cone beam breast CT images.
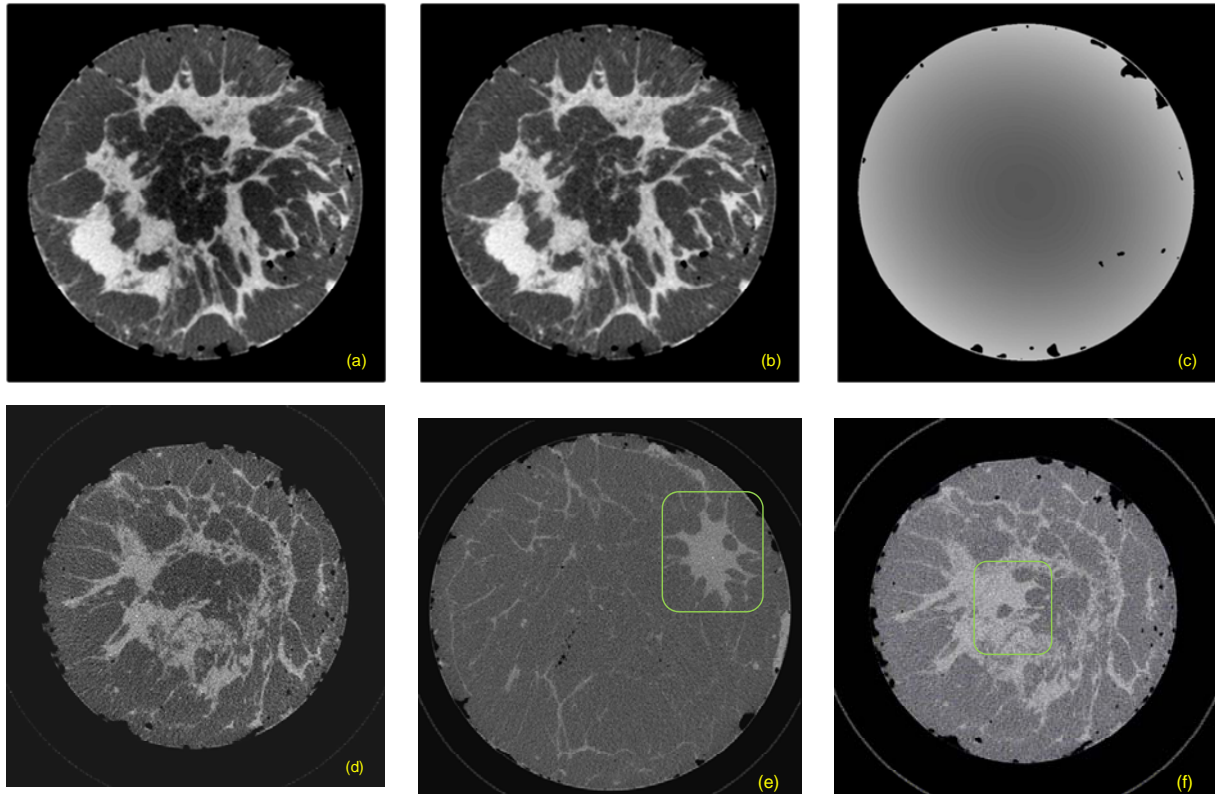

Fig. 2: Coronal views before (a) and after (b) cupping artifact correction, respectively, with the cupping artifact bias signal profile (c). Coronal views of normal (d) and abnormal (e) CBBCT images. The profile of tumor mass was extracted from (e) and inserted into (d) using the simulation method in Fig. 1. A coronal view of the synthesized CBBCT images with simulated tumor mass is shown in (f).