403 female patients:
  From 2016 to 2017 in single institution
  Undergoing breast core needle biopsy or surgery
  Undergoing pre-operative ABUS exam

16 patients were excluded:
  7 with negative ABUS results (5 FCC and 2 DCIS)
  3 with phyllodes borderline tumors
  6 with breast biopsy or surgery history

387 patients (with 457 lesions) were finally enrolled

ABUS images were reviewed by 4 independent radiologists

Consistent cases
  (4 vs. 0 or 3 vs. 1)

Inconsistent cases
  (2 vs. 2)

ABUS images were reviewed again by 4 radiologists together and fully discussed
to make agreement

Supplementary Fig. 1. Flow chart of this study. ABUS = automated breast ultrasound, DCIS = ductal carcinoma in situ, FCC = fibrocystic changes.