Supplemental Document

Biomedical Optics EXPRESS

Functional photoacoustic/ultrasound imaging for the assessment of breast intraductal lesions: preliminary clinical findings: supplement

Ming Wang,[1] Lingyi Zhao,[2] Yao Wei,[1] Jianchu Li,[1] Zhenhong Qi,[1] Na Su,[1] Chenyang Zhao,[1] Rui Zhang,[1] Tianhong Tang,[1,4] Sirui Liu,[1] Fang Yang,[3] Lei Zhu,[3] Xujin He,[3] Changhui Li,[2] Yuxin Jiang,[1,6] and Meng Yang[1,5]

[1]*Department of Ultrasound, Peking Union Medical College Hospital, Chinese Academy of Medical Sciences and Peking Union Medical College, Beijing, China*
[2]*Department of Biomedical Engineering, College of Engineering, Peking University, Beijing, China*
[3]*Shenzhen Mindray Bio-Medical Electronics Co., Ltd., Shenzhen, China*
[4]*Department of Ultrasound, Fuwai Hospital Chinese Academy of Medical Sciences, Shenzhen, China*
[5]*amengameng@hotmail.com*
[6]*yuxinjiangxh@163.com*

Supplement DOI: https://doi.org/10.6084/m9.figshare.13653044

Parent Article DOI: https://doi.org/10.1364/BOE.411215

Supplementary Table 1

Detailed information of 17 patients involved in this study

Patient	**Age(years)**	**Size(cm)**	**Pathology**
1	55	0.6	IDP
2	29	1.1	DCIS
3	34	3	DCIS
4	56	0.7	DCIS
5	46	0.5	DCIS
5	46	0.9	DCIS
6	65	0.8	IDP
7	42	0.7	IDP
8	*28*	*0.9*	DCIS
9	46	1.1	IDP
10	25	1.8	FA
11	31	1.1	FA
12	34	0.6	Adenosis
13	32	1.2	Adenosis
14	52	1.2	FA
15	31	1.1	FA
16	53	1.2	Adenosis
17	37	1.1	FA

Supplementary Table 2

Vessel scores, SO_2 scores and BIRADS information of 17 patients

Patient	CDFI/US				PA/US					
	Internal vessel score	Peripheral vessel score	Total vessel score	BIRADS	Internal vessel score	Peripheral vessel score	Total vessel score	SO_2 score	PA score	BIRADS
1 (Case 1)	1	0	1	4a	2	2	4	1	3	4a
2 (Case 2)	0	0	0	4b	2	2	4	1	3	4c
3 (Case3)	3	2	5	4b	3	2	5	0	3	4c
4 (Case 4)	0	1	1	4a	2	2	4	1	3	4a
5(Case 5)	1	1	2	4a	2	2	4	1	3	4c
5(Case 6)	0	1	1	4a	2	2	4	1	3	4a
6(Case 7)	0	0	0	4a	3	2	5	1	4	4a
7 (Case 8)	2	2	4	4b	2	2	4	1	3	4a
8 (Case 9)	2	0	2	5	1	1	2	1	2	5
9 (Case 10)	3	2	5	5	3	2	5	1	4	5
10(Case 11)	3	1	4	4b	3	2	5	0	3	4a
11(Case 12)	0	1	1	3	0	1	1	0	0	3
12(Case 13)	0	1	1	4a	0	1	1	0	0	3
13(Case 14)	2	0	2	4b	1	2	3	0	1	3
14(Case 15)	0	0	0	3	0	2	2	1	1	3
15(Case 16)	2	0	2	4c	2	1	3	0	2	3
16(Case 17)	0	1	1	4b	1	2	3	0	1	5
17(Case 18)	0	1	1	3	1	1	2	1	2	3