Supplemental Data:

Table S3

Detailed histopathological results of false-negative and false-positive lesions

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|   |  | **False positives** | **n** | **False negatives** | **n** |
| **single parameter** | **CE-MRI** | 1 FA | **6** | 1 Metastases | **1** |
| 1 DH without atypia |  |   |  |
| 2 Other |  |   |  |
| 2 High risk |  |   |  |
| **DWI** | 3 Other | **3** | 1 Mucinous carcinoma | **2** |
| 1 High risk |  | 1 IDC |  |
| **3D 1H-MRSI** | 1 FA | **2** | 5 IDC | **9** |
| 1 Other |   | 3 ILC |   |
|   |   | 1 DCIS |   |
| **18FDG-PET** | 3 FA | **8** | 1 IDC | **1** |
| 4 Other |  |   |  |
| 1 High risk |  |   |  |
| **two parameters** | **DCE-MRI, DWI** | 4 Other | **8** |   | **0** |
| 1 High risk |  |   |  |
| 2 FA |  |   |  |
| 1 DH without atypia |  |   |  |
| **DCE-MRI, 3D 1H-MRS** | 3 FA | **8** |   | **0** |
| 3 Other |  |   |  |
| 1 High risk |  |   |  |
| 1 DH without atypia |  |   |  |
| **DCE-MRI, 18FDG-PET** | 4 FA | **10** |   | **0** |
| 4 Other |  |   |  |
| 1 High risk |  |   |  |
| 1 DH without atypia |  |   |  |
| **MP MRI with three parameters** | **DCE-MRI, DWI, 3D 1H-MRSI,**  | 2 Other | **3** |   | **0** |
| 1 High risk |   |   |   |
| **MP 18FDGPET-MRI** | **DCE-MRI, DWI, 3D 1H-MRSI, 18FDG PET** | 2 Other | **3** |   | **0** |
| 1 High risk |   |   |   |

Note- DCE MRI=dynamic contrast-enhanced MR imaging

DWI= diffusion-weighted imaging

3D 1H-MRSI= three-dimensional proton magnetic resonance spectroscopy

18FDG-PET= 18Fluorodeoxyglucose positron emission tomography

MP MRI= multiparametric magnetic resonance imaging

MP 18FDG PET-MRI= multiparametric 18Fluorodeoxyglucose positron emission tomography - magnetic resonance imaging

IDC=invasive ductal carcinoma

ILC= invasive lobular carcinoma

DCIS= ductal carcinoma in situ

FA= fibroadenoma