

Identification of barriers and facilitators in nationwide implementation of standardized structured reporting in pathology: a mixed method study

Virchows Archiv

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palga Save Cancel Send Feedback Control Report number T99-TEST Patient name TestTestTest Patient number: 1234567890 Gender: O Date of birth: 07/24/1989 2.0.24 **Breast biopsy**

Macro
Biopsy I
Immuno
Supplement

Sample I

Type of biopsy needle biopsy (Tru-Cut) excisional biopsy
 VAB (vacuum-assisted biopsy) skin biopsy
 stereotactic biopsy lymph node biopsy
 incisional biopsy other

Number of biopsies 1 2 3 4 5 6 >6

Length of biopsy (x,x cm) 2,3

Laterality left right not stated

Localisation upper lateral quadrant centrally behind the nipple
 upper medial quadrant axillary tail
 lower medial quadrant not stated
 lower lateral quadrant other

Localisation O'clock 12.00 03.00 06.00 09.00 unknown
 01.00 04.00 07.00 10.00
 02.00 05.00 08.00 11.00

Distance to the nipple (xx,x cm) 0,3

Diameter abnormality (xx,x cm)

Clinical microcalcification present in biopsy yes no yes, radiologically proven unknown

Birads classification 1 3 4a 4c 6 unknown other
 2 4 4b 5

Cytological diagnosis of biopsy yes no
Copy New

General

From population screening yes no unknown

History of malignancy no yes unknown

Previous therapy none radiotherapy thermoablation other
 chemotherapy hormonal therapy operation unknown

PR Conclusion Information
In accordance with National Guideline for Breast Cancer 2.0 (2012)
Clinic
Type biopsy: needle biopsy (Tru-Cut)
Number of biopsies: 1
Length biopsy: 2 cm
Laterality: left
Localisation: upper lateral quadrant
Distance to the nipple: 0,3 cm
Clinical calcifications present in the biopsy: yes
BIRADS classification: 4b

paiga Save Cancel Send Feedback Control Report number: T99-TEST Patient name: TestTestTest Patient number: 1234567890 Gender: O Date of birth: 07/24/1989 2.0.24 **Breast biopsy**

Microscopy

Sample I

Type abnormality

invasive tumour non univocal benign lesion(s)
 CIS univocal benign lesion(s)
 CIS with micro-invasion other findings
 suspected carcinoma insufficient material

Type invasive tumour (WHO)

invasive carcinoma NST (previously infiltrating ductal carcinoma NOS) invasive papillary carcinoma NET/NEC
 infiltrating lobular carcinoma invasive micropapillary carcinoma metastasis
 tubular carcinoma infiltrating solid papillary carcinoma invasive tumour, further typing to follow
 mucinous carcinoma carcinoma with medullary features other
 metaplastic carcinoma

Scoring Bloom and Richardson

yes not done; can be determined on request not applicable
 yes, less reliable on biopsy not possible (necrosis, artefacts etc.)

Tubular differentiation

>75% 10-75% <10%

Mitotic activity

ascertained cannot be reliably determined
 not yet ascertained estimated

Mitoses per 2mm2

20

Nuclear polymorphism

1 2 3

(lymph-)angioinvasion not encountered present dubious

Microcalcification

present not encountered deeper incisions are required

PR **Conclusion** **Information**

In accordance with National Guideline for Breast Cancer 2.0 (2012)

Clinic
 Type biopsy: needle biopsy (Tru-Cut)
 Number of biopsies: 1
 Length biopsy: 2 cm
 Laterality: left
 Localisation: upper lateral quadrant
 Distance to the nipple: 0,3 cm
 Clinical calcifications present in the biopsy: yes
 BIRADS classification: 4b

Microscopy
 Type invasive tumour (WHO): invasive carcinoma NST (previously infiltrating ductal carcinoma NOS)
 Grading Bloom and Richardson: I
 Tubular differentiation: >75%
 Mitoses per 2mm2: 20
 Nuclear polymorphism: 1
 Microcalcifications: present

paiga Save Cancel Send Feedback Control Report number: T99-TEST Patient name: TestTestTest Patient number: 1234567890 Gender: O Date of birth: 07/24/1989 2.0.24 **Breast biopsy**

I **Immunohistochemistry**

Sample I

Immunohistochemistry

fill in progress

Immuno Positive

E-cadherin CK5 CK20 S100
 SMA CK6 CD10 CD31
 P63 CK 5/6 Chromogranin Ki67 / MIB1
 348E12 CK7 Synaptophysin other
 Calponin CK14 Vimentin

Immuno Negative

E-cadherin CK5 CK20 S100
 SMA CK6 CD10 CD31
 P63 CK 5/6 Chromogranin other
 348E12 CK7 Synaptophysin
 Calponin CK14 Vimentin

CK5

mosaic pattern present mosaic pattern not found

CK6

mosaic pattern present mosaic pattern not found

CK5/6

mosaic pattern present mosaic pattern not found

Calponine

encapsulation of suspicious glandular ducts no encapsulation of suspicious glandular ducts

P63

encapsulation of suspicious glandular ducts no encapsulation of suspicious glandular ducts

PR **Conclusion** **Information**

Conclude
 Breast needle biopsy (Tru-Cut) left upper lateral quadrant, invasive carcinoma NST (previously infiltrating ductal carcinoma NOS), Bloom Richardson grade I.

Diagnostic rule(s)