

## Appendix 1

### pN-stage ND, pN-stage USgFNAC and pN-stage Fused-USgFNAC

| level <sup>1</sup><br>USgFNAC | malign<br>USgFNAC <sup>2</sup> | level<br>Fused-<br>USgFNAC | malign<br>Fused-<br>USgFNAC <sup>3</sup> | inconcl.<br>cytol.<br>Result <sup>4</sup> | level<br>ND | n<br>nodes | n<br>malign | level<br>malign<br>ND <sup>5</sup> | cTN    | pN<br>result<br>cytol. <sup>6</sup> | pN<br>result<br>ND <sup>7</sup> |
|-------------------------------|--------------------------------|----------------------------|------------------------------------------|-------------------------------------------|-------------|------------|-------------|------------------------------------|--------|-------------------------------------|---------------------------------|
| R1/2                          | R1/2                           |                            |                                          |                                           | R1-R3       | 21         | 1           | R2                                 | T4N0   | NX                                  | N1                              |
| L1a L2/3                      |                                | L1b                        | L1b                                      |                                           | L1-L5       | 47         | 6           | L2 L3 L4                           | T4aN2b | N1                                  | N2b                             |
| L4                            |                                |                            |                                          |                                           |             |            |             |                                    |        |                                     |                                 |
| 1bL L2 R2                     | 1BL                            |                            |                                          |                                           | L1-L4       | 14         | 5           | L1 L4                              | T2N0   | N1                                  | N2b                             |
| L2 1bR 2R                     | L2                             |                            |                                          |                                           | L-R         | 67         | 0           |                                    | T2N0   | N1                                  | N0                              |
| 3R                            |                                |                            |                                          |                                           |             |            |             |                                    |        |                                     |                                 |
|                               |                                | 1aR L4 L5                  |                                          |                                           | R1-R4       | 60         | 0           |                                    | T4aN0  | N0                                  | N0                              |
| L4                            | L4                             |                            |                                          |                                           | R2-5        | 42         | 0           |                                    | T3N0   | N1                                  | N1                              |
|                               |                                |                            |                                          |                                           | L2-4        |            |             |                                    |        |                                     |                                 |
| R3                            |                                | R2                         | R2                                       |                                           | R1-R3       | 57         | 7           | R2 R4                              | T3aN1  | N1/NX                               | N2c                             |
| L2 R2                         | L2                             |                            |                                          |                                           | L1-L5       | 30         | 1           | L2                                 | T1N3   | N1                                  | N1                              |
| R2 L3                         |                                |                            |                                          | L3                                        | L3          | 1          | 1           | L3                                 | N1     | NX                                  | N1                              |
| R1 R1                         | R1                             |                            |                                          |                                           | R1-R4       | 28         | 1           | R1                                 | TXN1   | N1                                  | N1                              |
| L5 par.gl.                    | L5                             |                            |                                          | parot.gl.                                 | L5          | 1          | 1           | L5                                 | TxN2c  | N1/NX                               | N1                              |
| L2                            |                                |                            |                                          |                                           | L2+L5       | 11         | 1           |                                    | TXN1   | N1                                  | N1                              |
| R2 R3                         |                                |                            |                                          | R2 R3                                     | R1-R3       | 20         | 20          | R1 R2<br>R3                        | NX     | Nx                                  | N2c                             |
| R2 R5                         | R2 R3                          |                            |                                          |                                           | R1-R5       | 78         | 4           | par.gl.                            | TxN1   | N2b                                 | N2b                             |
| par.gl. L2                    | par.gl.                        |                            |                                          |                                           | par.gl.     |            |             |                                    |        |                                     |                                 |
| R1                            |                                | L2                         |                                          |                                           | SNL2-<br>L3 | 9          | 0           |                                    | T2N0   | N0                                  | N0                              |
| 1bL                           |                                |                            |                                          |                                           | L1-L3       | 29         | 1           | L1                                 | T4aN0  | N0                                  | N1                              |
| R3 L2 L2                      | R3 L2 L2                       |                            |                                          |                                           | L2          | 2          | 0           |                                    | TXN2b  | N2c                                 | N0                              |
| R2                            | R2                             |                            |                                          |                                           | R1-R4       | 51         | 2           | L1                                 | T2N1   | N2b                                 | N2b                             |
| R2                            |                                |                            |                                          |                                           | R           | 1          | 0           |                                    | T4N0   | N0                                  | N0                              |
| -                             |                                |                            |                                          |                                           | R1-5        | 35         | 0           | -                                  | T4N0   | -                                   | N0                              |

<sup>1</sup> Neck levels “R” right neck, “L” left neck.

<sup>2</sup> Cytologically confirmed malign nodes of USgFNAC per level.

<sup>3</sup> Cytologically confirmed malign nodes of Fused-USgFNAC per level.

<sup>4</sup> Nodes with inconclusive cytological result per level.

<sup>5</sup> Confirmed malign nodes of ND per level.

<sup>6</sup> Result N-stage cytologically confirmed (USgFNAC and or Fused-USgFNAC).

<sup>7</sup> Result N-stage histologically confirmed (ND).

Compared to ND histopathological N-stage result of USgFNAC and Fused-FNAC  
were not significantly different p-value < 0.118