**Supplementary Table 1 – Multivariate analysis of PORT benefit for cancer specific survival, stratified by N-stage and LNR**

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| --- | --- | --- | --- |
|  | | HR | p-value |
| **N1** | | 1.08 (0.99-1.18) | 0.10 |
|  | LNR<12.5% (n=1508) | 1.18 (0.95-1.50) | 0.14 |
| LNR12.5-24.9% (n=1494) | 1.10 (0.91-1.33) | 0.32 |
| LNR 25-49.9% (n=1384) | 1.08 (0.91-1.28) | 0.40 |
| LNR ≥ 50% (n= 1063) | 1.01 (0.85-1.20) | 0.91 |
| **N2** | | 0.90 (0.80-0.97) | 0.01 |
|  | LNR<12.5% (n=528) | 0.88 (0.64-1.20) | 0.42 |
| LNR12.5-24.9% (n=829) | 1.0 (0.81-1.24) | 0.98 |
| LNR 25-49.9% (n=1042) | 0.94 (0.78-1.12) | 0.48 |
| LNR ≥ 50% (n=1197) | 0.78 (0.67-0.91) | 0.002 |