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| **TABLE S3 Clinical and pathological characteristics of included studies** |
| **Authors** | **CT** | **PT** | **PN** | **Age(years)** |
|  | **OSC** | **SRC** | **P1** | **OSC** | **SRC** | **P2** | **OSC** | **SRC** | **P3** | **OSC** | **SRC** | **P4** |
| **Jae et al. 2022**19 | ≤ T2:37> T2:3 | ≤ T2:34> T2:12 | 0.33 | ≤ T2:28> T2:12 | ≤ T2:26> T2:20 | 0.21 | N0:33N+:7 | N0:42N+:4 | 0.19 | 69(Iqr33-84) | 69(Iqr44-89) | 0.91 |
| **Po et al. 2017**20 | - | - |  | < T2:5≥ T2:9 | < T2:6≥ T2:5 | 0.4370.351 | - | - |  | 57.5 ± 13.93 | 61.55 ±15.03 | 0.695 |
| **Ahmed et al. 2019**21 | ≤ T2:45> T2:0 | ≤ T2:51> T2:0 | 0.4 | - | - |  | - | - |  | 62.2 ± 5.8 | 63.7 ± 6.8 | 0.07 |
| **Vilaseca et al. 2013**22 | < T2:1≥ T2:10 | < T2:2≥ T2:31 | 0.73 | < T2:24≥ T2:20 | - | N0:37N+:7 | - | 49.4±9.1 | 56.1 ± 5.9 | 0.007\* |
| **Se et al. 2018**23 | ≤ T2:15> T2:0 | ≤ T2:20> T2:3 | 0.073 | ≤ T2:10> T2:5 | ≤ T2:11> T2:12 | 0.065 | N0:11N+:4 | N0:17N+:6 | 0.999 | 58.7+-4.96 | 61.9+-5.9 | 0.209 |
| **Kyung et al. 2005**24 | ≤ T2:17> T2:0 | ≤ T2:18> T2:0 | - | - | - |  | - | - |  | 54.4 (range44-66) | 59.4 (range46-68) | - |
| **Marc et al. 2018**25 | - | - |  | ≤ T2:125> T2:25 | ≤ T2:17> T2:7 | 0.005\* | N0:128N+:22 | N0:22N+:2 | 0.2 | 61.5(Iqr57-70) | 65(Iqr63-69) | 0.5 |
| **Qiang et al. 2022**26 | - | - |  | ≤ T2:11> T2:0 | ≤ T2:21> T2:1 | - | N0:11N+:0 | N0:22N+:0 | - | 53 (Iqr49‒57) | 58(Iqr50‒63) | 0.089 |
| **Abbas et al. 2012**27 | ≤ T2:15- | ≤ T2:21- | 0.31 | ≤ T2:17> T2:6 | ≤ T2:18> T2:9 | 0.51 | - | - |  | 59±14.0 | 61±12.0 | 0.59 |
| **Katharina et al. 2021**28 | - | - |  | ≤ T2:36> T2:12 | ≤ T2:47> T2:21 | 0.489 | N0:40N+:8 | N0:53N+:15 | 0.458 | 59.5(Iqr54-65) | 62(57-68) | 0.818 |
| **Remco et al. 2009**29 | ≤ T2:53> T2:10 | ≤ T2:48> T2:15 | - | ≤ T2:47> T2:16 | ≤ T2:41> T2:22 | - | N0:45N+:18 | N0:51N+:12 | - | 55 | 61 | <0.002\* |
| **Ihab et al. 2008**30 | - | - |  | ≤ T2:10> T2:11 | ≤ T2:11> T2:13 | 0.419 | N0:19N+:2 | N0:20N+:4 | 0.422 | 48.4 (range31-54 ) | 52.5 ( range45-64) | 0.14 |
| **Sunil et al. 2022**31 | ≤T2:171> T2:4 | ≤ T2:84> T2:5 | 0.81 | ≤ T2:124> T2:61 | ≤ T2:42> T2:59 | <0.05\* | N0:146N+:31 | N0:69N+:29 | 0.03\* | 68 (range37-88) | 67 (range40-83) | 0.16 |
| **William et al. 1997**32 | ≤ T2:59>T2:106 | - |  | - | - |  | - | - |  | 63 (range40-79) | 68(range39-83) | - |
| **Song et al. 2018**33 | - | - |  | ≤ T2:36> T2:9 | ≤ T2:36> T2:9 | 1.0 | N0:39N+:6 | N0:42N+:3 | 0.591 | 77.7±2.6 | 78.8±4.2 | 0.132 |
| **Magdy et al. 2006**34 | - | - |  | - | - |  | - | - |  | - | - |  |
| **Thomas et al. 2004**35 | - | - |  | ≤ T2:160> T2:171 | - | N0:252N+:79 | - | 65.2 ((Iqr58.2–70.9) | - |
| **Wang et al. 2008**36 | - | - |  | ≤ T2:14> T2:13 | ≤ T2:5> T2:4 | - | - | - |  | 47 | 46 | - |
| **Haiwen et al. 2019**37 | ≤ T2:44> T2:19 | ≤ T2:28> T2:21 | 0.017\* | ≤ T2:40> T2:23 | ≤ T2:29> T2:20 | 0.613 | N0:60N+:3 | N0:37N+:12 | 0.002\* | 63.7±12.2 | 67.7±9.2 | 0.855 |
| Abbreviations: cT, clinical T stage; SRC,Standard Radical Cystectomy ; OSC, Organ Sparing Cystectomy; pN, pathological N stage; pT, pathological T stage. |