ORIGINAL ARTICLE

# Comparison of 3D conformal radiation therapy and intensity-modulated radiation therapy in patients with endometrial cancer: efficacy, safety and prognostic analysis

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SUPPLEMENTARY MATERIAL

**Supplementary Material. Table 1. Dose contraints for the organs at risk (OARs).**

**Supplementary Material. Table 2. Predictive factors of overall survival.**

**Supplementary Material. Table 1. Dose contraints for the organs at risk (OARs).**

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| --- | --- | --- |
|  | **3DCRT** | **IMRT** |
| **Bladder** | **D2%** | 45Gy | 45Gy |
| **V40** | 40% | 40% |
| **Rectum** | **D2%** | 45Gy | 45Gy |
| **Bowel bag** | **V40** | reporting | 10-15% |
| **Anal Canal** | **D2%** | 45Gy | 45Gy |
| **Iliac bone** | **V30** | - | 35% |
| **Femoral Head** | **V30** | 5-10% | 5-10% |

**Abbreviations**: Dx%: dose received by x% of the OAR volume; Vx : percentage of the OAR volume receiving x Gy.

**Supplementary Material. Table 2. Predictive factors of overall survival.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Factor** | **n = 83** | **Deaths****n = 20 (%)** | **5-year OS (%) (95%CI)** | ***p* univariate analysis** | ***p* multivariate analysis** | **HR (95%CI) multivariate analysis** |
| **Age (years)** ≤ 68 > 68 | 4241 | 3 (7.1)17 (41.5) | 95% (0.88-1)55% (0.40-0.75)  | **0.00065** | **0.0011** | 9.7 (2.5-38.2) |
| **T stage** T1 > T1 | 5132 | 9 (17.6)11 (34.4) | 81.6% (0.71-0.94)66.8% (0.52-0.86) | 0.1 | **0.025** | 3 (1.15-8) |
| **N stage** N0 N1 | 3132 | 7 (22.6)5 (15.6) | 79% (0.65-0.95)84% (0.7-0.98) | 0.43 | -- | -- |
| **FIGO stage** I-II III | 3845 | 7 (18.4)13 (28.9) | 80% (0.67-0.96)72% (0.6-0.87) | 0.35 | -- | -- |
| **Histology type** Type I Type II | 6122 | 12 (19.7)8 (36.4 | 82% (0.73-0.93)56% (0.37-0.86) | 0.087 | 0.27 | -- |
| **Grade** 1-2 3 | 4925 | 7(14.3)12 (48.0) | 87.3% (0.78-0.97)49% (0.32-0.76) | **0.0022** | **0.048** | 1.7 (1.0-2.9) |
| **LVSI** Yes  No | 3536 | 9(25.7)9(25.0) | 76.7% (0.63-0.94)72% (0.59-0.89) | 0.82 | **--** | -- |
| **Lymphadenectomy** Yes  No | 6419 | 12 (18.7)8 (42.1) | 52% (0.3-0.88)82% (0.72-0.92) | **0.0095** | 0.94 | -- |
| **EBRT technique** 3D IMRT | 4736 | 13 (27.6)7 (19.4) | 75% (0.63-0.88)78% (0.65-0.94) | 0.74 | **--** | -- |

**Abbreviations:** n, number of patients; HR: Hazard ratio; 95%CI: 95% confidence interval; OS: overall survival; LVSI: lymphovascular space invasion; EBRT: external beam radiotherapy technique; 3DCRT: 3D conformal radiation therapy; IMRT: Intensity-Modulated Radiation Therapy.