

Publication List
Development of analytical dosimetry models

1. **An analytical dosimetry model as a step towards accounting for inhomogeneities and bounded geometries in ^{192}Ir brachytherapy treatment planning**, Anagnostopoulos G, Baltas D, Karaiskos P, Pantelis E, Papagiannis P and Sakelliou L, *Physics in Medicine and Biology*, Volume 48, Issue 11, Jun.2003, Pages 1625-1647. [Abstract](#)
2. **On the dosimetric accuracy of a Sievert integration model in the proximity of ^{192}Ir HDR sources**, Pantelis E, Baltas D, Dardoufas K, Karaiskos P, Papagiannis P, Rosaki-Mavrouli H and Sakelliou L, *International Journal of Radiation Oncology*Biology*Physics*, Volume 53, Issue 4, Jul.2002, Pages 1071-1084. [Abstract](#)
3. **Dose rate calculations around ^{192}Ir brachytherapy sources using a Sievert integration model**, Karaiskos P, Angelopoulos A, Baras P, Rozaki-Mavrouli H, Sandilos P, Vlachos L, Sakelliou L, *Physics in Medicine and Biology*, Volume 45, Issue 2, Feb.2000, Pages 383-398. [Abstract](#)
4. **Limitations of the point and line source approximations for the determination of geometry factors around brachytherapy sources**, Karaiskos P, Sakelliou L, Sandilos P, Vlachas L, *Medical Physics*, Volume 27, Issue 1, Jan.2000, Pages 124-128. [Abstract](#)