

Peer-Reviewed Publications

1. Ragan, D.P., **He, T.**, Liu, X., "Correction for distortion in a beam outline transfer device in radiotherapy CT-based simulation". *Med. Phys.* 20:179-186, 1993.
2. Ragan, D.P., **He, T.**, Mesina, C.F., Ratanatharathorn, V., "CT-based simulation with laser patient marking". *Med. Phys.* 20:379-380, 1993.
3. Mesina, C.F., Sharma, R., Rissman, L.S., Geering, L., **He, T.**, Forman, J. D., "Comparison of a standard four-field boost technique with a customized non-axial external beam technique for the treatment of adenocarcinoma of the prostate". *Int. J. Radiat. Oncol. Biol. Phys.* 30:427-430, 1994.
4. Roeske, J.C., Forman, J.D., Mesina, C.F., **He, T.**, Pellizzari, C.A., Fontenla, E., Vijayakumar, S., Chen, G.T.Y., "Evaluation of changes in the size and location of the prostate, seminal vesicles, bladder, and rectum during a course of external beam radiation therapy". *Int. J. Radiat. Oncol. Biol. Phys.* 33:1321-1329, 1995.
5. Ragan, D.P., Forman, J.D., **He, T.**, Mesina, C.F., "Clinical results of computerized tomography (CT) based simulation with laser patient marking". *Int. J. Radiat. Oncol. Biol. Phys.* 34:691-695, 1996.
6. Yudelev, M., Maughan, R.L., **He, T.**, "Evaluation of the dose algorithm based on the scatter model applied for neutron therapy treatment planning". *Radiat. Prot. Dosim.* 70:513-516, 1997.
7. Alecu, R., Alecu, M., Loomis, T., Ochran, T., **He, T.**, "Traditional and MLC based dose compensator design for patients with hip prostheses undergoing pelvic radiation therapy". *Med. Dosim.* 24(1):33-37, 1999.
8. Alef, A., Thornton, D., Youssef, E., **He, T.**, Tekyi-Mensah, S., Denton, L., Ezzell, G., "Dosimetric improvement following 3D planning of tangential breast irradiation". *Int. J. Radiat. Oncol. Biol. Phys.* 48:1569-1574, 2000.
9. McDermott, P., **He, T.**, DeYoung, A., "Dose calculation accuracy of lung planning with a commercial IMRT treatment planning system". *J. Applied Clinical Med. Phys.* 4:341-351, 2003.
10. Santanam, L., **He, T.**, Yudelev, M., Burmeister, J., "Applicability of CORVUS pencil beam model and scatter dose model for intensity modulated neutron therapy". *Phys. Med. Biol.* 49:3751-3766, 2004.
11. Santanam, L., **He, T.**, Yudelev, M., Forman, J.D., Orton, C., Maughan, R.L., Burmeister, J., "Intensity Modulated Neutron Radiotherapy for the Treatment of Adenocarcinoma of the Prostate". *Int. J. Radiat. Oncol. Biol. Phys.* 68:1546-1556, 2007.

12. Tanyi, J.A., **He, T.**, Summers, P.A., Mburu, R.G., Kato, C.M., Rhodes, S.M., Hung, A.Y., Fuss, M., "Assessment of Planning Target Volume Margins for Intensity-Modulated Radiotherapy of the Prostate Gland: Role of Daily Inter- and Intrafraction Motion". *Int. J. Radiat. Oncol. Biol. Phys.* In press, 2010.