

Name: Hsin-Hsiung Chen

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Education :

Institute of Nuclear Science, National Tsing Hua University

Career Experience :

Chung-Gung Memorial Hospital, Medical Physicist(1983-1992)

Courses Taught :

The physics of radiation therapy
The equipments of radiation therapy
The technology of radiation therapy
Lab of radiation therapy

Professional Fields :

Medical physics
Technology of radiotherapy

Research Interests :

Medical physics

Representative Publication in 5 Years :

1. Chia-Cheng Huang, Yong-Fa Lu, **Hsin-Hsiung Chen**: A Comparison of Intensity Modulation and Direct Machine Parameters Optimization in Treatment Planning for Prostate Cancer. Taiwanese Journal of Applied Radiation and Isotopesl. 7(3):111-118, 2011.
2. Yi-Chun Hsu, Yi-Yong Hsu, Ching-Yeh Hsiung, Shu-Mei Chen, **Hsin-Hsiung Chen**: Evaluate the effects of immobilization vacuum cushion in clinical doses. Chinese Journal of Radiological Technology. 35(2):111-117, 2011.
3. Yu-Chuan Liu, Jia-Ming Wu, Sheng-Yow Ho, **Hsin-Hsiung Chen**: The influence of dose calculation affected by offset corrections of multileaf collimator mechanical and radiation position in radiation therapy treatment planning system. Taiwanese Journal of Applied Radiation and Isotopesl. 6(4):945-953, 2010.
4. Chien YiChen, Kuo-Chi Liu, **Hsin-Hsiung Chen**, Lung-Kwang Pan: Optimizing the TLD-100 readout system for various radiotherapy beam doses using the Taguchi methodology. Applied Radiation and Isotopes. 68:481-488, 2010.
5. Szu-Ting Chen, Li-Chuan Chen, Min Chao, **Hsin-Hsiung Chen**: Commissioning of Elekta Synergy linear accelerator for image-guided radiation therapy. Asia & Australasia Conference of Radiological Technologists, 2011.