

Modelling and simulation of radiofrequency electromagnetic field interaction with male uro-genital system

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This paper discusses the simulation of radiofrequency electromagnetic field thermal effects on the male uro-genital system. It aims to simulate the radiation of a mobile phone, which can be placed in the pocket of the person using the device. A voxel model was used, which was modified only for the lumbar region. Several simulations were created with different antenna power values. Even with the increased power of the antenna, it is clear from the results that the SAR value did not exceed its limit levels.

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