

Publications

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Articles en cours de soumission

- [S3] **Sarrut, D.**, Badel J., Halty A., Kryza D. and Giraudet A. “3D absorbed dose distribution estimated by Monte-Carlo simulation in radionuclide therapy with a monoclonal antibody targeting synovial sarcoma”. *European Journal of Nuclear Medicine and Molecular Imaging*. **2016**.
- [S2] Huisman B., Létang J., Testa E. and **Sarrut, D.** “Accelerated Prompt Gamma estimation for clinical Proton Therapy simulations”. *Physics in medicine and biology*. **2016**.
- [S1] Noblet C., Chiavassa S., Smekens F., **Sarrut, D.**, Passal V., Suhard J., Lisbona A., Paris F. and Delpon G. “Validation of fast Monte Carlo dose calculation in small animal radiotherapy with EBT3 radiochromic films”. *Physics in medicine and biology*. **2016**.

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- [A50] Hilaire E., **Sarrut, D.**, Peyrin F. and Maxim V. “Proton therapy monitoring by Compton imaging: influence of the large energy spectrum of the prompt- γ radiation”. *Physics in medicine and biology*, To appear. **2016**.
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- [A45] Fassi A., Seregini M., Riboldi M., Cerveri P., **Sarrut D.**, Ivaldi G., Tabarelli P., Liotta M. and Baroni G. “Surrogate-driven deformable motion model for organ motion tracking in particle radiation therapy”. *Physics in Medicine and Biology*, 60(4):8067–8086. **2015**.
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