PET/MR imaging of neoplastic and inflammatory lesions

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PHD thesis

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Cover picture:
The picture shows discontinuous areas of acute inflammation (arrows) superimposed over chronic inflammatory and fibrotic changes in the right colon and distal ileum. Coronal contrast enhanced VIBE is represented in the upper image, coronal PET in the middle image, and fused VIBE/PET in the lower image.

Index of chapters

6. PET/MR in invasive ductal breast cancer: correlation between imaging markers and histological phenotype. **Catalano OA**, Horn GL, **Signore A**, Iannace C, Lepore M, Vangel M, Luongo A, Catalano M, Lehman C, Salvatore M, Soricelli A, Catana C, Mahmood U, Rosen BR.
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7. Evaluation of quantitative PET/MR enterography biomarkers for discrimination of inflammatory strictures from fibrotic strictures in Crohn's disease. **Catalano OA**, Gee MS, Nicolai E, Selvaggi F, Pellino G, Cuocolo A, Luongo A, Catalano M, Rosen BR, Gervais D, Vangel MG, Soricelli A, Salvatore M.
Radiology. 2016;278(3):792-800

8. Diagnostic performance of PET/MR in the evaluation of active inflammation in Crohn's disease. **Catalano OA**, Wu V, Mahmood U, **Signore A**, Vangel M, Soricelli A, Salvatore M, Gervais D, Rosen BR.
Am J Nucl Med Mol Imaging. *2018 Feb 5;8(1):62-69*

9. Summary in English and in Dutch

10. Conclusions and future perspectives

11. Curriculum vitae et studiorum

12. Acknowledgments