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Quantitative MRI in obesity & reno-cardiovascular function

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STELLINGEN BEHORENDE BIJ HET PROEFSCHRIFT GETITELD

Quantitative MRI in Obesity & Reno-cardiovascular Function

1. The MOLLI 5(3)3 sequence is the preferred scheme for renal tissue characterization considering its precise and accurate estimation of renal T1 values and its wide availability across vendors (this thesis)
2. Mendelian randomization shows that liver fat plays a less important role in the risk of CKD than previously suspected (this thesis)
3. The transition of qualitative image interpretation to quantitative image analyses provides radiologists new tools that can contribute to earlier and more accurate diagnosis, and enable treatment-monitoring (this thesis)
4. As radiologist, it is advisable to keep the ALARA principle in mind when using contrast agents in diagnostic examinations: keep the contrast agent dose as low as reasonably possible (this thesis)
5. A decade ago, quantitative MR techniques were almost nonexistent; in a decade's time they will be routine – *Paul Tofts, Quantitative MRI of the brain; 2003*
6. Overuse of imaging equates to haphazard screening of individuals for disease. – *Oren O, Kebebew E, Ioannidis JPA. Curbing Unnecessary and Wasted Diagnostic Imaging. JAMA. 2019 Jan 22;321(3):245-246.*
7. Failure to understand the effect of regression [to the mean] leads one to overestimate the effectiveness of punishment and to underestimate the effectiveness of reward – *Tversky A, Kahneman D. Judgment under Uncertainty: Heuristics and Biases. Science. 1974 Sep 27;185(4157):1124-31.*
8. Multidisciplinary research does not mean leaving behind your own skills – it means heading in new scientific directions using your own specialties – *Leeming, NatureJobs; 2017*
9. No hay misión que no ofrezca dificultades y no hay dificultad que no pueda ser vencida con energía, voluntad y trabajo (Vertaling: Er is geen missie zonder obstakels en er is geen obstakel dat niet overwonnen kan worden met energie, wilskracht en werk) – *Mario Vargas Llosa, Pantaleón y las visitadoras; 1973*