Paul Tofts – Recent Publications

(updated September 8th 2025)

For full CV see: http://www.paul-tofts-phd.org.uk/CV/full_list.pdf

A22. **Tofts PS**. Concepts: Measurement in MRI. Chapter 1 in *Quantitative MRI of the Brain: principles of physical measurement.* Cercignani M, Dowell NG and Tofts PS (eds) CRC Press 2018. reprint (A22-24)

A23. **Tofts PS**. Concepts: The Measurement Process: MR Data Collection and Image Analysis. Chapter 2 in *Quantitative MRI of the Brain: principles of physical measurement.* Cercignani M, Dowell NG and Tofts PS (eds) CRC Press 2018.

A24. **Tofts PS**. Concepts: Quality Assurance: Accuracy, Precision, Controls and Phantoms. Chapter 3 in *Quantitative MRI of the Brain: principles of physical measurement.* Cercignani M, Dowell NG and Tofts PS (eds) CRC Press 2018.

2022

B205. The perfect qMR machine: Measurement variance much less than biological variance.
Tofts PS. *Physica Medica* 2022; 104:145-148. doi: https://doi.org/10.1016/j.ejmp.2022.10.013 pdf

2023

B206. The perfect diagnostic imaging machine and what it means for quantitative MRI reproducibility
Hall MG, Cashmore MTD, McGrath C, McCann A, **Tofts PS**. *IPEM-Translation* 6-8 (2023) 100019
doi: https://doi.org/10.1016/j.ipemt.2023.100019

2024

B207. Realistic phantoms for quantitative MR: the need and a proposal (the B1 sleeve)
Tofts PS. *IPEM-Translation* 9 (2024) 100026 doi: https://doi.org/10.1016/j.ipemt.2024.100026 pdf

2025

B208. A standard SI traceable phantom suitable for qMRI: design, manufacture and characterisation.
Clarkson C, Hill S, Gezer TD, … **Tofts P** and Hall MG. *Metrologia* 2025: 62 025008
doi: https://doi.org/10.1088/1681-7575/adbcaf