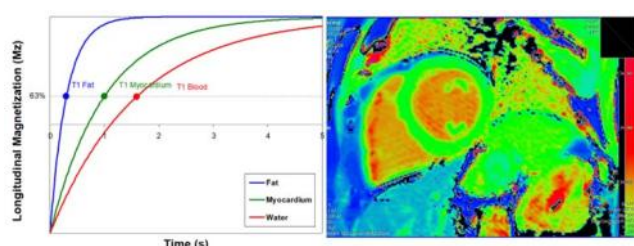


# ShMOLLI: Shortened Modified Look-Locker Inversion Recovery, for T1 mapping in cardiovascular MRI

ShMOLLI is an efficient method that generates immediate, high-resolution T1-maps for quantitative cardiac imaging in a short breath-hold with high precision.



| Features                                                                                                                                                                                                                                     | Benefits                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Produces excellent T1 cardiac images with short breath holds                                                                                                                                                                                 | Alleviates discomfort for ill patients                                                                                                                                                           |
| Shorter acquisition periods; Low sensitivity to heart rate variations; High precision; Single stop-shop solution for short and long T1, combined with inherent quality control; Shown promise in monitoring gadolinium-free stress responses | Decreases measurement time; Reduces the estimation errors for the long T1 relaxation times; Does not require manual pre-selection of T1-mapping variants for native and post-contrast conditions |
| Proven applicability across all major cardiovascular conditions                                                                                                                                                                              | Applicable to a wide range of patients; Proven in multi-centre clinical trials                                                                                                                   |

## Awaiting patent and Available for

- Co-development
- Consulting
- Licensing

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To find out more, contact [enquiries@innovation.ox.ac.uk](mailto:enquiries@innovation.ox.ac.uk) and quote the project number.

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