



WHERE GREAT MINDS LEAD THE
**BIOMEDICAL
IMAGING**
FUTURE

1495



UNIVERSITY OF
ABERDEEN

CELEBRATING
525 YEARS
1495 – 2020

CONTINUING TO PIONEER THE FUTURE OF MRI

The comprehensive upgrade to the 3T MRI scanner is the latest phase of a 40-year commitment by the University of Aberdeen, in collaboration with NHS Grampian, to clinical imaging research and the development of Magnetic Resonance Imaging.

The upgraded MRI Scanner, housed adjacent to the Lilian Sutton Building at the University of Aberdeen, will deliver increased picture quality and advanced techniques, ensuring that we continue to lead the way in biomedical imaging research.

The upgrade significantly reduces the time for the patient in the scanner as well as creating new images that can give clinicians and researchers information about diseases that was not available before.

The 3T MRI scanner upgrade has been made possible by a £1.2M investment in clinical imaging research by the University of Aberdeen and the Roland Sutton Academic Trust.

TIMELINE OF MRI & UNIVERSITY OF ABERDEEN

1980

World's first clinical trial of MRI

1981

World's first diagnostic MRI service at Aberdeen Royal Infirmary

1992

Magiscan public funding to install first commercial MRI scanner in NHSG in 1992

2000

UoA invest in their first 1.5T clinical MRI scanner, dedicated to research, RSAT donation funds Lilian Sutton Building



THE TEAM

A multi-disciplinary team is needed to run a world-leading clinical research imaging facility, this includes:

- Radiographers
- IT experts
- Physicists
- Radiologists
- Administration
- Technicians

Close connections with Philips Health Systems has provided state-of-the-art capabilities to the biomedical imaging research community at the University of Aberdeen. We are part of a worldwide network of leading researchers, enabling us to access the most modern and effective imaging tools. Clinical imaging research is also impossible without willing volunteers, which we are blessed with in the North East.

MAKING A DIFFERENCE

Research across many important health areas have benefited from the expertise of the team and will continue to benefit with the improved capabilities of the new system.

Professor Dana Dawson – Cardiology - Takotsubo

Dr Mary-Joan MacLeod – Stroke – PUFFIN study with FFC

Professor Alison Murray – Ageing – Aberdeen Birth Cohorts 1921, 1936, ACONF

Dr Neil Basu – Rheumatology – Fatigue in Rheumatoid Arthritis

Professor Claude Wischik – Dementia - TauRx phase 3 clinical trial in Alzheimer's Disease



1.5T scanner replaced with a Philips 3T scanner installed in the same building as the 1992 Magiscan



Fast Field-Cycling MRI (FFC-MRI), the next generation of MRI, being developed in Aberdeen



3T MRI Scanner upgrade complete



January 2020
First patient scanned

15,469

Individuals have been scanned on the 3T
since Aug 2009, with 4,787 specifically for
research, in 107 different research studies.

(Including grant funded, commercial and non-commercial)

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