GE HealthCare

The Omni Legend PET-CT Scanner at UCLH



UCLH is one of the largest NHS trusts in the UK. It has the largest nuclear medicine department in the UK, seeing over 20,000 patients a year, translating to about 150-200 patients a day across different scanners. It offers diagnostic, laboratory, therapy procedures and PET-CT services in a single department.

There was a need to reduce patient turn-around time (TAT) across PET-CT procedures. The aim was for the GE HealthCare PET-CT Omni Legend to drive this change, and the scanner was installed in late December and the first patient was scanned in February 2024.

PET-CT scans routinely take up to 30 minutes. The reduced scan time using the new machine means up to four patients can be seen an hour – up to 37 patients per day, compared to 12-14 patients on the older scanners.

7 Months

The new machine has allowed UCLH to complete 12 months of work in 7

4 Patients

Can be seen every hour with the new scan times

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The patient experience has seen a positive impact

554

Patients scanned by the end of February 2024

x2

The number of patient scans have more than doubled

5

Waiting times have reduced by 5 days from 9 days to 4

30+

Patients scanned per day

Since the commissioning of the GE HealthCare Omni Legend in early February we have been very pleased with its performance. Its new technology allows us to bring significant reductions in patient dose and great image quality whilst also providing impressive productivity. It's a step change over previous generations of PET scanners. With its introduction, we are already seeing improvements and efficiencies in our service, including to our theragnostics pathways where we can make best use of our limited Ga68 PSMA and Ga68 Dotatate availability." - *Professor John Dickson, Head of Nuclear Medicine Physics, UCLH*

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