

NHSBT National PACS Proposal

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Proposal

To create a national picture archiving and communication system for sharing of donor imaging with transplant centres to improve donor utilisation.

Trial scope

Initial remit to include only cardiothoracic centres in the UK as the transplant centres and two organ donor zones – London and East of England. To carry out trial for 1 year and then review findings.

Design Summary

1. Potential cardiothoracic donors identified by SNOD teams
2. Request donor hospital to transfer images to zNHS Blood & Transplant
 - a. Local policy whether this is electronic request or phonecall
3. Transplant teams can access images on web browser remotely

System

Sectra provide the majority of image exchange portal function for NHS. They have setup the network which is already active. The online web browser for sectra will only keep images for 14 days before being deleted. There are web browsers that allow longer-term storage which will come at extra cost.

Cost

One-Time Setup:
£2,000 +VAT

Standard Annual Costs:
£4,000+ VAT - Online Image WebViewer
£5,075+VAT - IEP Volume Based Service Charge, Tier 2 (10,000 patients)

IEP Volume Pricing Tiers

Transactions < than	Charge
500	£3,045
10,000	£5,075
25,000	£8,120
50,000	£12,180
100,000	£18,000

Total £11,075 +VAT
Total inc VAT 20%: £13,290

Application for £15,000 to ODCs to allow redundancy for extra costs incurred

Information Governance

Attached to email is the contract with spectra which includes the national data sharing agreement. This responsibility would need to sit with a permanent member of NHSBT as a signatory on the document.

User access

Access can via NHS internet at: <https://nww.iepservice.nhs.uk/>

Or via any internet with MS authentication at: <https://nww.iepservice.nhs.uk/>

Future users (transplant recipient coordinators or surgical team) can register on these links – selecting zNHS Blood & Transplant. A single or multiple institutional administrators can be signed to approve or remove staff members who have access.

Audit

A prospective audit will be carried out with the agreement of cardiothoracic transplant centres. Proposed questions:

1. Was there donor radiograph/CT/Echo available for review?
2. If not would imaging availability have affected retrieval?
3. If yes, was the donor imaging reviewed using the trial PACs system?
4. Did the use of the PACs system affect decision making on retrieval?
5. Free text description of PACs imaging effect

As only London/East of England regions involved this will allow the rest of the country to be a comparator. We can compare retrieval team dispatches/organs utilised between regions.