Ductal Carcinoma In Situ (DCIS)

Cancer	Breast
Question	For patients diagnosed with DCIS, a non-invasive stage 0 breast cancer, which cases will progress to invasive ductal carcinoma (IDC)?
Benefits	Less than 50% of patients have lesions that progress to invasive disease and so surgery, radiation therapy or hormone therapy may not be needed
Funding	UKRI IAA Nov 2024 – Oct 2025

	Total	*Yes*	*No*	*Validation*	*Comment*
# Patients	6	3	3	–	
# Spectra (K)	TBC	TBC	TBC	–	Agilent FTIR

Result (AUC)	~80%
Publication(s)	–

Wavenumbers

DNA/RNA			*Amide III*		*Amide II*	*Amide I*	MLA v2.4