



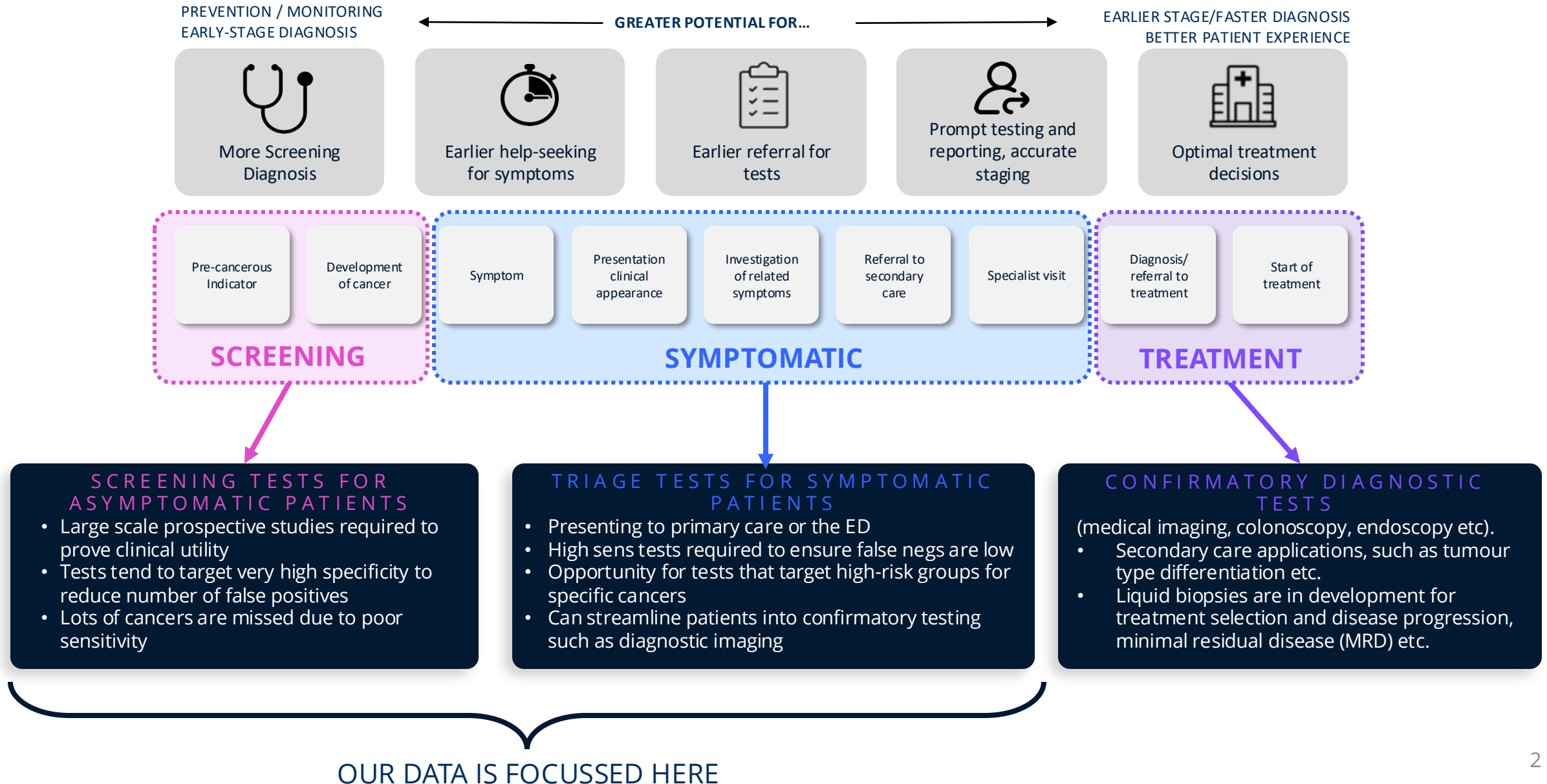
How can AI-assisted liquid biopsies enable earlier detection of cancer?

Abi Lishman, Dxcover Ltd.



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The Diagnostic Pathway

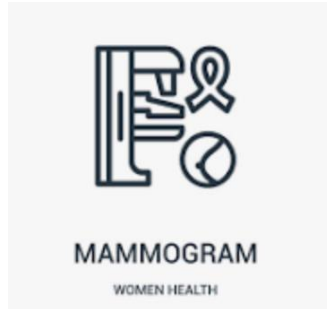


Current Cancer Detection/Prevention in the UK

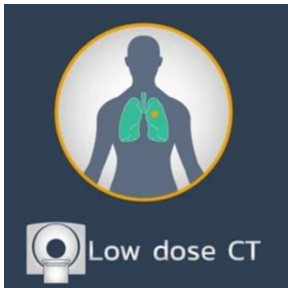
Population-level screening



People aged 60–74 (50–74 in Scotland), every 2 years



Women aged 50–70, every 3 years



People aged 50–74 with 30 pack years for 15 years, every 2 years



Women aged 25–49, every 3 years, & women aged 50–64, every 5 years.



Genetic / high-risk surveillance



BRCA:

Breast cancer screening – MRI & mammography
Risk-reducing gynae surgery (screening not possible)

Lynch:

Colonoscopy every 2 years from 25–75
Gastric H. Pylori screening
Risk-reducing gynae surgery (screening not possible beyond cervical smear test)

Li Fraumeni or A-T homozygotes

Annual MRI

Risk reduction

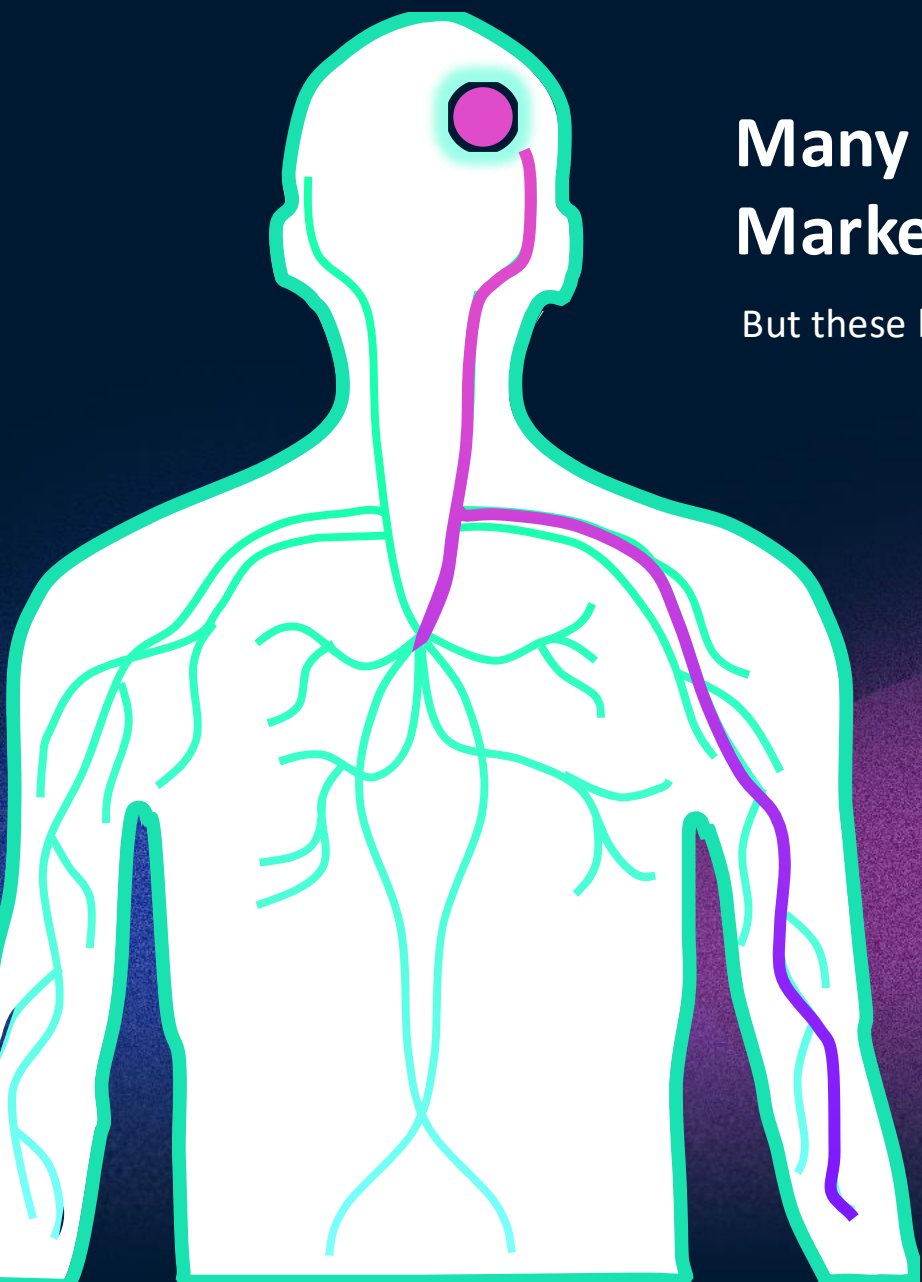


Aspirin

Review > Int J Mol Sci. 2023 Mar 24;24(7):6192. doi: 10.3390/ijms24076192.

Systematic Review and Meta-Analysis of the Impact of Bariatric Surgery on Future Cancer Risk

Robert B Wilson ¹, Dhruvi Lathigara ², Devesh Kaushal ²

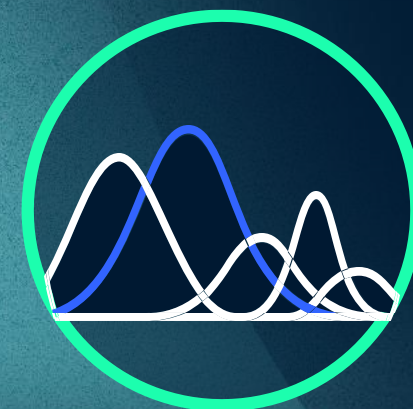


Many Liquid Biopsy Technologies Require Tumour Markers to be Shed into the Bloodstream

But these biomarkers are **not found** in the early stage of disease.

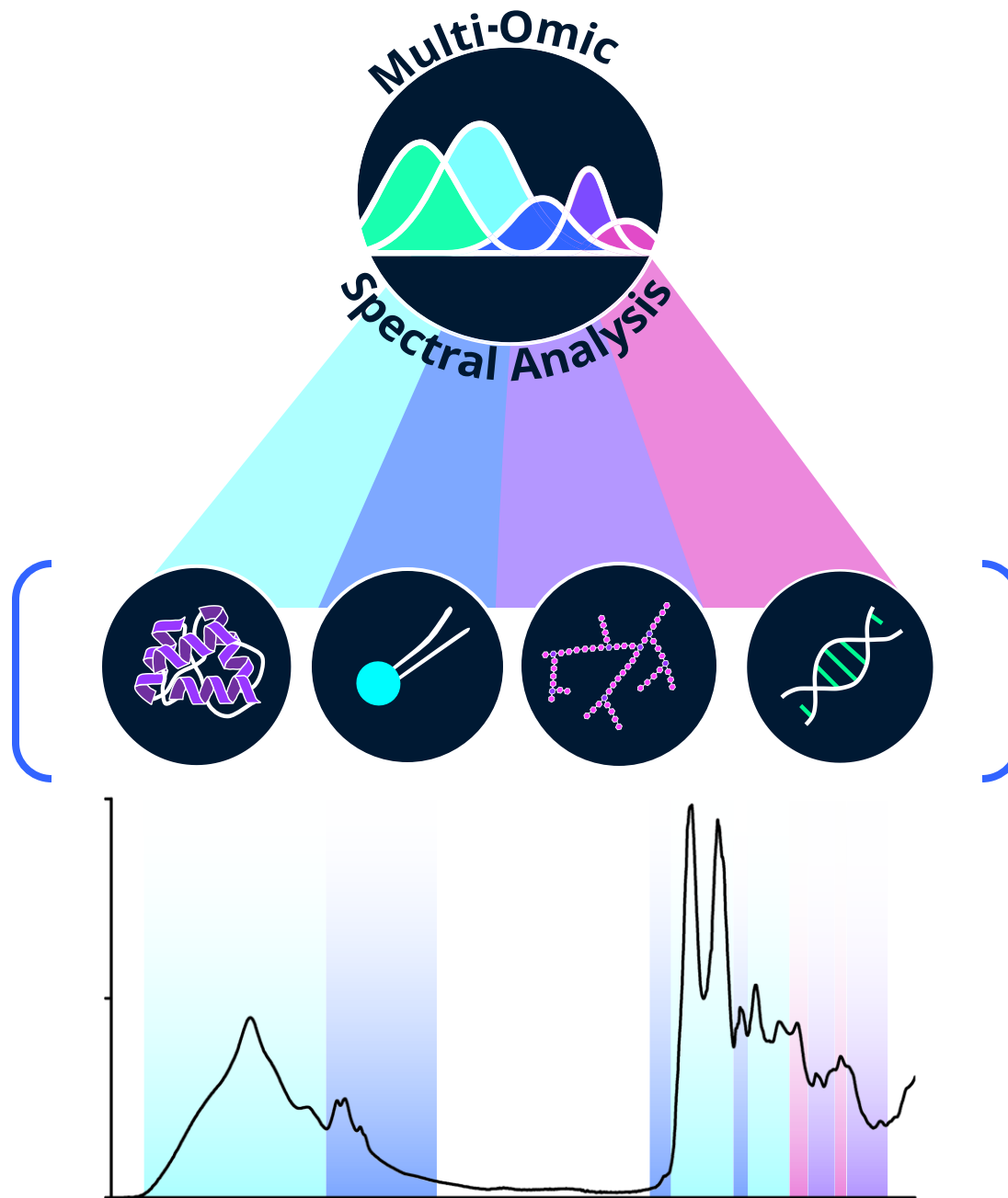
Cancer is a **complex organ** that interacts with the body's processes at the early stages of tumour formation.

Measuring this Multiomic Signal Allows Detection of Cancer at Earlier Stages



MOSA-Dx

Technology that
shines light on
the **multiome**



> The Dxcover signal contains information from the proteome, lipidome, metabolome and other biological components of the blood

Early Detection Beats Cancer

Catching disease at the early stage means
more **effective treatment** and
better patient outcomes





FOR MORE INFORMATION
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