

Noninvasive imaging of flowing blood cells (Technion)

code: MED-1405

This novel method of noninvasive imaging, which allows visualization of the morphology and dynamics of circulating cells, avoids the need to handle specimens and bypasses the need for exogenous labeling of cells, with potentially toxic dyes. Additional advantages include shortened wait-time, portability and the potential to detect early warning signs before severe medical problems develop. Utilized correctly this could shift high-volume routine tests out of the core laboratory and to point-of-care settings. There are many possible applications such as screening and diagnostics as well as new possibilities in clinical research and practice.

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