

# Cancer detection tool

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## Why in news?

- For patients with kidney and brain cancer, a team at Yale University has developed a method that can theoretically identify the causes.
- This development could aid the early detection of cancer.
- Researchers have found the initiating role of cancer cells in spreading to other parts of the body (a process called metastasis for spreading cancer cells).
- Early cancer diagnosis and care can save lives. If cancer becomes metastasized or progresses, the diagnosis becomes more complicated.

**Benefits:** The research may be used in order to develop novel prognostic tools and pave the way for more customized surgical procedures. New drugs can be created to target cancer cells and avoid environmental changes that serve as a cancer cause.