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Spanish researchers create e-nose for detecting colon diseases

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With the developed prototype, researchers want to contribute to the creation of non-invasive diagnosing systems.



A team of researchers from Spain have developed a prototype of an electronic nose that can distinguish between patients with Crohn's disease and ulcerative colitis, both classified as inflammatory bowel diseases.

With the developed prototype, researchers want to contribute to the creation of non-invasive diagnosing systems.

The device called Moosy 32 eNose can detect volatile organic compounds which act as diagnostic markers or to reveal the intensity level of the disease's activity.

The concentration of these components can be a differentiating marker between certain bowel diseases and their accurate detection by way of non-invasive devices such as the electronic nose would be a great step forward for the detection and monitoring of the evolution of these diseases.

The system is being tested for further medical use, such as detecting prostate cancer.