

Study: Dogs help detect lung cancer

By Science Daily

Sniffer dogs could be used for the early detection of lung cancer, according to new research published in the *European Respiratory Journal*.

The study, carried out by researchers from Schillerhoehe Hospital in Germany, is the first to find that sniffer dogs can reliably detect lung cancer.

Lung cancer is the second most frequent form of cancer in men and women across Europe with over 340,000 deaths per year. It is also the most common cause of death from cancer worldwide.

The disease is not strongly associated with any symptoms and early detection is often by chance. Current methods of detection are unreliable and scientists have been working on using exhaled breath specimens from patients for future screening tests.

This method relies on identifying volatile organic compounds (VOCs) that are linked to the presence of cancer. Although many different technological applications have been developed, this method is still difficult to apply in a clinical setting as patients aren't allowed to smoke or eat before the test, sample analysis can take a long time and there is also a high risk of interference. Because of these reasons, no lung cancer-specific VOCs have yet been identified.

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