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(57) Abstract :

The disclosed embodiments illustrate a system (100) and method (300) for detection of lung cancer in a subject. The system (100) includes wearable devices (102) adapted to be worn or attached to various parts of body of the subject to identify biomarkers of the lung cancer in sweat. Thereafter collected biomarkers are analysed to extract concentration of one or more volatile organic compounds (VOC), and extracted concentration of the VOC is analysed to determine whether the subject is having symptoms of lung cancer. The proposed system enables the subject to get treatment on time and to avoid high risk of lung cancer progression by detection of the lung cancer at early stage.

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