Optimal imaging strategy in patients suspected of non-traumatic Pulmonary disease Chest X-ray or CT

The OPTIMACT trial

If you participate in this study, depending on the month in which you visit the Emergency Department of the AMC a chest X-ray or ultra-low-dose chest CT will be performed.

Chest X-ray has a low radiation dose and is generally available. Recent advances in CT-technology have resulted in a chest CT (ultra-low-dose chest CT) with a low radiation dose. We want to investigate whether it is preferable to skip chest X-ray and directly perform an ultra-low-dose chest CT in patients with complaints of the lungs. Both imaging methods are comparable in duration (5 min) and burden.

**Patient consent for:**

A Chest X-ray (X-thorax)

or

a Chest CT (CT-thorax)

O I do agree that at random one of the above mentioned examinations is performed

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Signature witness

Name and function:

After leaving the Emergency Department you will receive more information.

Name of investigator

Signature: Date: ___ / ___ / ___

Time: ..........