

# Supplementary Appendix

Van den Berk IAH, Lejeune EH, Kanglie MMNP et al. OPTIMACT study group. The yield of chest X-ray or ultra-low-dose Chest-CT in emergency department patients suspected of non-traumatic pulmonary infection without respiratory symptoms or signs.

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1. Members OPTIMACT study group
2. Technical information ULDCT and CXR

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## Technical information ULDCT and CXR

At Amsterdam UMC ULDCT was performed at a Siemens Somatom Force (2015) with fixed 100kV, Sn filter, reference 50mAs, lung window slice reconstruction thickness 1.5 mm, filter Br54, Admire 3 was used. At SG ULDCT was performed at a Aquilion One Vision, Toshiba software 6.06ER0006 (2012, Canon Medical Systems) with fixed 120kV and 10mAs (20 mAs in adipose patients), lung window slice reconstruction thickness 2.0 mm, filter FC30, AIDR 3D strong. CXR was performed following standard procedures. At Amsterdam UMC CXR was performed on an Oldelft bucky at 125 kV (0.2mm Cu filter) using automated exposure control; at SG Siemens Ysio Max at 125 kV (0.2mm CU filter) using automated exposure control. CXR was performed posterior/anterior and lateral direction whenever possible. If not possible, anterior/posterior CXR will be performed using a mobile CXR device Carestream DRX Revolution in both participating centres.