

Appendix 3: References included in the analyses [posted as supplied by author]

Eligible articles for the main analyses

Screening for breast cancer with breast examination

Cairo

SR1. Boulos S, Gadallah M, Neguib S, Essam E, Youssef A, Costa A, et al. Breast screening in the emerging world: high prevalence of breast cancer in Cairo. *Breast*. 2005 Oct;14(5):340–6.

Kerala

SR2. Sankaranarayanan R, Ramadas K, Thara S, Muwonge R, Prabhakar J, Augustine P, et al. Clinical breast examination: preliminary results from a cluster randomized controlled trial in India. *J. Natl. Cancer Inst.* 2011 Oct 5;103(19):1476–80.

Mumbai

SR3. Dinshaw K, Mishra G, Shastri S, Badwe R, Kerkar R, Ramani S, et al. Determinants of compliance in a cluster randomised controlled trial on screening of breast and cervix cancer in mumbai, India. 2. Compliance to referral and treatment. *Oncology*. 2007;73(3-4):154–61.

SR4. Dinshaw K, Mishra G, Shastri S, Badwe R, Kerkar R, Ramani S, et al. Determinants of compliance in a cluster randomised controlled trial on screening of breast and cervix cancer in Mumbai, India. 1. Compliance to screening. *Oncology*. 2007;73(3-4):145–53.

SR5. Mitra I, Mishra GA, Singh S, Aranke S, Notani P, Badwe R, et al. A cluster randomized, controlled trial of breast and cervix cancer screening in Mumbai, India: methodology and interim results after three rounds of screening. *Int. J. Cancer*. 2010 Feb 15;126(4):976–84.

Russia

SR6. Semiglazov VF, Moiseenko VM. Breast self-examination for the early detection of breast cancer: a USSR/WHO controlled trial in Leningrad. *Bull. World Health Organ*. 1987;65(3):391–6.

SR7. Semiglazov VF, Moiseyenko VM, Bavli JL, Migmanova NS, Seleznyov NK, Popova RT, et al. The role of breast self-examination in early breast cancer detection (results of the 5-years USSR/WHO randomized study in Leningrad). *Eur. J. Epidemiol*. 1992 Jul;8(4):498–502.

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Shanghai

SR9. Thomas DB, Gao DL, Self SG, Allison CJ, Tao Y, Mahloch J, et al. Randomized trial of breast self-examination in Shanghai: methodology and preliminary results. *J. Natl. Cancer Inst.* 1997 Mar 5;89(5):355–65.

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Screening for lung cancer with CT scans

Detection and Screening of Early Lung Cancer by Novel Imaging Technology and Molecular Essay (DANTE)

- SR11. Infante M, Lutman FR, Cavuto S, Brambilla G, Chiesa G, Passera E, et al. Lung cancer screening with spiral CT: baseline results of the randomized DANTE trial. *Lung Cancer*. 2008 Mar;59(3):355–63.
- SR12. Infante M, Cavuto S, Lutman FR, Brambilla G, Chiesa G, Ceresoli G, et al. A randomized study of lung cancer screening with spiral computed tomography: three-year results from the DANTE trial. *Am. J. Respir. Crit. Care Med*. 2009 Sep 1;180(5):445–53.
- SR13. Infante M, Chiesa G, Solomon D, Morengi E, Passera E, Lutman FR, et al. Surgical procedures in the DANTE trial, a randomized study of lung cancer early detection with spiral computed tomography: comparative analysis in the screening and control arm. *J Thorac Oncol*. 2011 Feb;6(2):327–35.

Danish Lung Cancer Screening Trial (DLCST)

- SR14. Ashraf H, Tønnesen P, Holst Pedersen J, Dirksen A, Thorsen H, Døssing M. Effect of CT screening on smoking habits at 1-year follow-up in the Danish Lung Cancer Screening Trial (DLCST). *Thorax*. 2009 May;64(5):388–92.
- SR15. Aggestrup LM, Hestbech MS, Siersma V, Pedersen JH, Brodersen J. Psychosocial consequences of allocation to lung cancer screening: a randomised controlled trial. *BMJ Open*. 2012;2(2):e000663.
- SR16. Kaerlev L, Iachina M, Pedersen JH, Green A, Nørgård BM. CT-Screening for lung cancer does not increase the use of anxiolytic or antidepressant medication. *BMC Cancer*. 2012;12:188.
- SR17. Saghir Z, Dirksen A, Ashraf H, Bach KS, Brodersen J, Clementsen PF, et al. CT screening for lung cancer brings forward early disease. The randomised Danish Lung Cancer Screening Trial: status after five annual screening rounds with low-dose CT. *Thorax* 2012 Jan 27.
- SR18. Petersen RH, Hansen HJ, Dirksen A, Pedersen JH. Lung cancer screening and video-assisted thoracic surgery. *J Thorac Oncol*. 2012 Jun;7(6):1026–31.

Multicentric Italian Lung Detection Trial (MILD)

- SR19. Pastorino U, Rossi M, Rosato V, Marchianò A, Sverzellati N, Morosi C, et al. Annual or biennial CT screening versus observation in heavy smokers: 5-year results of the MILD trial. *Eur. J. Cancer Prev*. 2012 May;21(3):308–15.

Nederlands Leuvens Longkanker Screenings Onderzoek (NELSON) / Dutch Belgian randomized lung cancer screening trial

- SR20. Van der Aalst CM, Van Klaveren RJ, Van den Bergh KAM, Willemsen MC, De Koning HJ. The impact of a lung cancer computed tomography screening result on smoking abstinence. *European Respiratory Journal*. 2010 Dec 9;37:1466–73.
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National Lung Screening Trial (NLST)

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- SR23. The National Lung Screening Trial Research Team. Reduced Lung-Cancer Mortality with Low-Dose Computed Tomographic Screening. *N Engl J Med.* 2011 Jun;365(5):395–409.

Screening for lung cancer with chest X-ray

Czech

- SR24. Kubík A. [Risk groups and effective x-ray screening frequency of bronchial cancer]. *Z Erkr Atmungsorgane.* 1983;160(1):18–25.
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- SR28. Kubík AK, Parkin DM, Zatloukal P. Czech Study on Lung Cancer Screening: post-trial follow-up of lung cancer deaths up to year 15 since enrollment. *Cancer.* 2000 Dec 1;89(11 Suppl):2363–8.

Erfurt

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- SR30. Wilde J. A 10 year follow-up of semi-annual screening for early detection of lung cancer in the Erfurt County, GDR. *Eur. Respir. J.* 1989 Jul;2(7):656–62.

Johns Hopkins

- SR31. Levin ML, Tockman MS, Frost JK, Ball WC Jr. Lung cancer mortality in males screened by chest X-ray and cytologic sputum examination: a preliminary report. *Recent Results Cancer Res.* 1982;82:138–46.
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Kaiser Permanente

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Memorial Sloan Kettering

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Mayo Lung Project

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North London

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Prostate, Lung, Colorectal and Ovarian Cancer Screening Trial (PLCO)

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Screening for colorectal cancer with sigmoidoscopy or colonoscopy

Kaiser Permanente

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Norwegian Colorectal Cancer Prevention screening study (NORCCAP)

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Screening for Colon Rectum trial (SCORE)

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Spain

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U.K. Flexible Sigmoidoscopy Study

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Screening for colorectal cancer with faecal occult blood tests

Finland

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Funen

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Goteborg

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Jianshan

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Minnesota

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Nottingham

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Screening for liver cancer in Hepatitis B patients

Chen

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Sherman

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Screening for breast cancer with mammography

Canada

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Canada A

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Canada B

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Edinburgh

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Goteborg

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Screening for oral cancer (several screening tests)

Sankaranarayanan

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Screening for ovarian cancer (several screening tests)

Jacobs

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Prostate, Lung, Colorectal and Ovarian Cancer Screening Trial (PLCO)

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Screening for prostate cancer (several screening tests)

European Randomized Study of Screening for Prostate Cancer (ERSPC)

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Norrköping

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Prostate, Lung, Colorectal and Ovarian Cancer Screening Trial (PLCO)

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Included in the supplementary analysis

Screening for lung cancer with CT scans

Danish Lung Cancer Screening Trial (DLCST)

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Nederlands Leuvens Longkanker Screenings Onderzoek (NELSON) / Dutch Belgian randomized lung cancer screening trial

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Screening for lung cancer with chest X-ray

Prostate, Lung, Colorectal and Ovarian Cancer Screening Trial (PLCO)

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SR204. Hocking WG, Hu P, Oken MM, Winslow SD, Kvale PA, Prorok PC, et al. Lung cancer screening in the randomized Prostate, Lung, Colorectal, and Ovarian (PLCO) Cancer Screening Trial. *J. Natl. Cancer Inst*. 2010 May 19;102(10):722–31.

Screening for colorectal cancer with sigmoidoscopy or colonoscopy

Norwegian Colorectal Cancer Prevention screening study (NORCCAP)

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Prostate, Lung, Colorectal and Ovarian Cancer Screening Trial (PLCO)

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Screening for Colon Rectum trial (SCORE)

SR210. Segnan N, Senore C, Andreoni B, Aste H, Bonelli L, Crosta C, et al. Baseline findings of the Italian multicenter randomized controlled trial of "once-only sigmoidoscopy"--SCORE. *J. Natl. Cancer Inst.* 2002 Dec 4;94(23):1763-72.

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Screening for colorectal cancer with faecal occult blood testing

Finland

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Funen

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Nottingham

SR216. Moss SM, Hardcastle JD, Coleman DA, Robinson MH, Rodrigues VC. Interval cancers in a randomized controlled trial of screening for colorectal cancer using a faecal occult blood test. *Int J Epidemiol.* 1999 Jun;28(3):386-90.

Screening for liver cancer in Hepatitis B patients (several tests)

Yang

SR217. Zhang B, Yang B. Combined alpha fetoprotein testing and ultrasonography as a screening test for primary liver cancer. *J Med Screen.* 1999;6(2):108-10.

Screening for breast cancer with mammography

Edinburgh

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Malmö I

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U.K. Age trial

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Oral cancer screening (several tests)

Sankaranarayanan

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Ovarian cancer screening (several tests)

Jacobs

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Prostate, Lung, Colorectal and Ovarian Cancer Screening Trial (PLCO)

SR225. Buys SS, Partridge E, Greene MH, Prorok PC, Reding D, Riley TL, et al. Ovarian cancer screening in the Prostate, Lung, Colorectal and Ovarian (PLCO) cancer screening trial: findings from the initial screen of a randomized trial. *Am. J. Obstet. Gynecol*. 2005 Nov;193(5):1630–9.

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Prostate cancer screening (several tests)

European Randomized Study of Screening for Prostate Cancer (ERSPC)

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