

一、臨床情境描述

小張看到國民健康署大力推廣癌症篩檢，想到 60 歲的媽媽從來都沒有做過乳房攝影，便考慮要帶媽媽來做乳癌篩檢；但又看到報紙寫說：國外研究顯示，乳癌篩檢並無法有效降低死亡率，而且會有過度診斷、過度治療的問題。究竟，乳房攝影篩檢能不能降低乳癌死亡率或減少晚期乳癌發生率？小張該不該帶媽媽來做乳癌篩檢呢？

二、PICO

- Patient, problem: women aged 45-69 years (45-69 歲女性)
- Intervention: biennial screening mammography (兩年一次乳房攝影篩檢)
- Comparison: without screening (不做乳癌篩檢)
- Outcome: mortality (死亡率)、advanced breast cancer incidence (晚期乳癌發生率)

三、最佳文獻

- 文獻 1：
Pace LE, Keating NL (2014). A systematic assessment of benefits and risks to guide breast cancer screening decisions. *JAMA*. 2014 Apr 2;311(13):1327-35. doi: 10.1001/jama.2014.1398.
- 文獻 2：
Gøtzsche PC, Jørgensen KJ (2013). Screening for breast cancer with mammography. *Cochrane Database Syst Rev*. 2013 Jun 4;6:CD001877. doi: 10.1002/14651858.CD001877.pub5.
- 文獻 3：
Miller AB, Wall C, Baines CJ, Sun P, To T, Narod SA (2014). Twenty five year follow-up for breast cancer incidence and mortality of the Canadian National Breast Screening Study: randomised screening trial. *BMJ*. 2014 Feb 11;348:g366. doi: 10.1136/bmj.g366.
- 文獻 4：
Autier P, Boniol M, Middleton R, Doré JF, Héry C, Zheng T, Gavin A (2011). Advanced breast cancer incidence following population-based mammographic screening. *Ann Oncol*. 2011 Aug;22(8):1726-35. doi: 10.1093/annonc/mdq633. Epub 2011 Jan 20.
- 文獻 5：
Nederend J, Duijm LE, Voogd AC, Groenewoud JH, Jansen FH, Louwman MW

(2012). Trends in incidence and detection of advanced breast cancer at biennial screening mammography in The Netherlands: a population based study. *Breast Cancer Res.* 2012 Jan 9;14(1):R10.

● 文獻 6 :

Erpeldinger S, Fayolle L, Boussageon R, Flori M, Lainé X, Moreau A, Gueyffier F (2013). Is there excess mortality in women screened with mammography: a meta-analysis of non-breast cancer mortality. *Trials.* 2013 Nov 5;14:368. doi: 10.1186/1745-6215-14-368.

● 文獻 7 :

Kopans DB, Smith RA, Duffy SW (2011). Mammographic screening and "overdiagnosis". *Radiology.* 2011 Sep;260(3):616-20. doi: 10.1148/radiol.11110716.

● 文獻 8 :

Jørgensen KJ, Keen JD, Gøtzsche PC (2011). Is mammographic screening justifiable considering its substantial overdiagnosis rate and minor effect on mortality? *Radiology.* 2011 Sep;260(3):621-7. doi: 10.1148/radiol.11110210.

● 文獻 9 :

Tabár L, Vitak B, Chen TH, Yen AM, Cohen A, Tot T, Chiu SY, Chen SL, Fann JC, Rosell J, Fohlin H, Smith RA, Duffy SW (2011). Swedish two-county trial: impact of mammographic screening on breast cancer mortality during 3 decades. *Radiology.* 2011 Sep;260(3):658-63. doi: 10.1148/radiol.11110469. Epub 2011 Jun 28.