

Appendix 1

Additional information concerning the search strategy

Search: (extensive intraductal component) AND (breast) Filters: from 1000/1/1 - 2020/12/31

((“extensive”[All Fields] OR “extensively”[All Fields]) AND (“intraduct”[All Fields] OR “intraductal”[All Fields] OR “intraductally”[All Fields]) AND (“component”[All Fields] OR “component s”[All Fields] OR “components”[All Fields]) AND (“breast”[MeSH Terms] OR “breast”[All Fields] OR “breasts”[All Fields] OR “breast s”[All Fields])) AND (1000/1/1:2020/12/31[pdat])

Translations

extensive: “extensive”[All Fields] OR “extensively”[All Fields]

intraductal: “intraduct”[All Fields] OR “intraductal”[All Fields] OR “intraductally”[All Fields]

component: “component”[All Fields] OR “component’s”[All Fields] OR “components”[All Fields]

breast: “breast”[MeSH Terms] OR “breast”[All Fields] OR “breasts”[All Fields] OR “breast’s”[All Fields]

No language limitations were adopted

Table S1 Detailed Newcastle Ottawa Scale of each included cohort study

Study	Selection				Comparability		Outcome			Total quality score
	Representativeness of the exposed cohort	Selection of the non-exposed cohort	Ascertainment of exposure	Demonstration that outcome of interest was not present at start of study	Adjust for the most important risk factors	Adjust for other risk factors	Assessment of outcome	Follow-up length	Adequacy of follow-up	
Beitsch (2012)	1	1	1	1	1	1	1	1	0	8
Boyages (1990)	1	1	1	1	1	1	1	1	1	9
Cannon (2013)	1	1	1	1	1	1	1	1	0	8
Eberlein (1990)	1	1	1	1	1	1	1	1	0	8
Elsayed (2016)	1	1	1	0	1	1	1	1	0	7
Fodor (2000)	1	1	1	1	1	1	1	1	0	8
Gage (1996)	1	1	1	1	1	1	1	1	0	8
Galper (1999)	1	1	1	1	1	1	1	1	0	8
Ha (2019)	1	1	1	0	1	1	1	1	0	7
Hurd (1997)	1	1	1	1	1	1	1	1	0	8
Jacquemier (1990)	1	1	1	0	1	0	1	1	0	6
Kim (2011)	1	1	1	1	1	1	1	1	0	8
Krishnan (1992)	1	1	1	0	1	0	1	0	0	5
Kurtz (1990)	1	1	1	1	1	1	1	1	0	8
Lai (2016)	1	1	1	1	1	1	1	1	0	8
Leborgne (1995)	1	1	1	1	1	1	1	1	1	9
Leong (2004)	1	1	1	0	1	1	1	1	1	8
Leopold (1989)	1	1	1	1	1	0	1	1	0	7
Ni (2014)	1	1	1	0	1	1	1	1	0	7
Osteen (1987)	1	1	1	1	1	0	1	1	0	7
Paterson (1992)	1	1	1	0	1	1	1	0	0	6
Perez (2003)	1	1	1	1	1	1	1	1	1	9
Recht (1988)	1	1	1	1	1	1	1	1	0	8
Salvadori (1997)	1	1	1	0	1	0	1	1	0	6
Schnitt (1994)	1	1	1	0	1	1	1	1	0	7
Schnitt (1989)	1	1	1	0	1	1	1	1	0	7
Tenea-Cojan (2016)	1	1	1	0	1	1	1	0	0	6
Touboul (1999)	1	1	1	0	1	1	1	1	0	7
Veronesi (1995)	1	1	1	0	1	1	1	1	0	7
Voogd (2001)	1	1	1	1	1	1	1	1	0	8
Zafrani (1989)	1	1	1	0	1	1	1	1	0	7

Table S2 Detailed Newcastle Ottawa Scale of each included case-control study

Study	Selection				Comparability		Exposure			Total quality score
	Adequate case definition	Representativeness of the case	Selection of controls	Definition of controls	Adjust for the most important risk factors	Adjust for other risk factors	Ascertainment of exposure	Same method of ascertainment for cases and controls	Non-response rate	
Voogd (1999)	1	1	0	1	1	1	1	1	0	7