

**Table S1.** Search protocol applied in the systematic literature search according to database and hits generated

Date	Database	Search string	Hits (n)
14/09/22	PubMed	<p><b>Block 1: Exposure</b></p> <p>"smoke"[MeSH Terms] OR "smoke"[All Fields] OR "smoke s"[All Fields] OR "smoked"[All Fields] OR "smokes"[All Fields] OR "Smoking"[MeSH Terms] OR "Smoking"[All Fields] OR "smokings"[All Fields] OR "smoking s"[All Fields] OR ("Nicotine"[MeSH Terms] OR "Nicotine"[All Fields] OR "nicotine s"[All Fields] OR "nicotines"[All Fields]) OR ("Cotinine"[MeSH Terms] OR "Cotinine"[All Fields] OR "cotinines"[All Fields]) OR "tobacco product"[All Fields] OR ("Tobacco"[MeSH Terms] OR "Tobacco"[All Fields] OR "Tobacco Products"[MeSH Terms] OR ("Tobacco"[All Fields] AND "products"[All Fields]) OR "Tobacco Products"[All Fields] OR "tobaccos"[All Fields] OR "tobacco s"[All Fields]) OR "electronic nicotine delivery system"[All Fields] OR "risk factor"[All Fields] OR "cigarette smok"[All Fields] OR "vaped"[All Fields] OR "Vaping"[MeSH Terms] OR "Vaping"[All Fields] OR "vapes"[All Fields] OR "Tobacco Smoke Pollution"[All Fields] OR ("Smoking"[MeSH Terms] OR "Nicotine"[MeSH Terms] OR "Cotinine"[MeSH Terms] OR "Tobacco Products"[MeSH Terms] OR "Tobacco"[MeSH Terms] OR "Electronic Nicotine Delivery Systems"[MeSH Terms] OR "Risk Factors"[MeSH Terms] OR "Cigarette Smoking"[MeSH Terms] OR "Vaping"[MeSH Terms] OR "Tobacco Smoke Pollution"[MeSH Terms]) OR "maternal smoking"[All Fields] OR "parental smoking"[All Fields] OR "paternal smoking"[All Fields] OR "electronic cigarette"[All Fields] OR "tobacco snuff"[All Fields] OR ("tobacco, smokeless"[MeSH Terms] OR ("Tobacco"[All Fields] AND "smokeless"[All Fields]) OR "smokeless tobacco"[All Fields] OR "snuff"[All Fields] OR "snuffs"[All Fields]) OR ("tobacco, smokeless"[MeSH Terms] OR ("Tobacco"[All Fields] AND "smokeless"[All Fields]) OR "smokeless tobacco"[All Fields] OR "snus"[All Fields]) OR "nicotine gum"[All Fields] OR "nicotine patch"[All Fields] OR ("smoking water pipes"[MeSH Terms] OR ("Smoking"[All Fields] AND "water"[All Fields] AND "pipes"[All Fields]) OR "smoking water pipes"[All Fields] OR "hookah"[All Fields] OR "hookahs"[All Fields])</p>	1,632,345
		<p><b>Block 2: Outcome</b></p> <p>"Testicular Neoplasms"[MeSH Terms] OR "Germinoma"[MeSH Terms] OR "Seminoma"[MeSH Terms] OR "Nonseminomatous germ cell tumor"[Supplementary Concept] OR ("testicular neoplasm"[All Fields] OR ("Germinoma"[MeSH Terms] OR "Germinoma"[All Fields] OR "germinomas"[All Fields]) OR ("Seminoma"[MeSH Terms] OR "Seminoma"[All Fields] OR "seminomas"[All Fields]) OR "Nonseminomatous germ cell tumor"[All Fields] OR "nonseminomatous germ cell tumour"[All Fields] OR "testis tumor"[All Fields] OR "testis tumour"[All Fields] OR "germ cell tumor"[All Fields] OR "germ cell tumour"[All Fields] OR ("nonseminomatous"[All Fields] AND ("Germinoma"[MeSH Terms] OR "Germinoma"[All Fields] OR "germinomas"[All Fields])) OR (("teste"[All Fields] OR "testi"[All Fields] OR "testis"[MeSH Terms] OR "testis"[All Fields] OR "testes"[All Fields] OR "inferior colliculi"[MeSH Terms] OR ("inferior"[All Fields] AND "colliculi"[All Fields]) OR "inferior colliculi"[All Fields]) AND ("nonseminoma"[All Fields] OR "nonseminomas"[All Fields]) AND ("cancer s"[All Fields] OR "cancerated"[All Fields] OR "canceration"[All Fields] OR "cancerization"[All Fields] OR "cancerized"[All Fields] OR "cancerous"[All Fields] OR "neoplasms"[MeSH Terms] OR "neoplasms"[All Fields] OR "cancer"[All Fields] OR "cancers"[All Fields])) OR ("testicular"[All Fields] AND ("nonseminoma"[All Fields] OR "nonseminomas"[All Fields]) AND ("cancer s"[All Fields] OR "cancerated"[All Fields] OR "canceration"[All Fields] OR "cancerization"[All Fields] OR "cancerized"[All Fields] OR "cancerous"[All Fields] OR "neoplasms"[MeSH Terms] OR "neoplasms"[All Fields] OR "cancer"[All Fields] OR "cancers"[All Fields])) OR "testis cancer"[All Fields] OR "testicular cancer"[All Fields] OR "testis carcinoma"[All Fields] OR "testicular carcinoma"[All Fields] OR "testis neoplasm"[All Fields] OR "testicular tumor"[All Fields] OR "testicular tumour"[All Fields] OR ("nonseminoma"[All Fields] OR "nonseminomas"[All Fields]) OR "testis malignancy"[All Fields] OR "testicular malignancy"[All Fields] OR ("endocrinal"[All Fields] OR</p>	56,450

		<p>"endocrine system"[MeSH Terms] OR ("endocrine"[All Fields] AND "system"[All Fields]) OR "endocrine system"[All Fields] OR "endocrine"[All Fields] OR "endocrines"[All Fields] OR "endocrinic"[All Fields] OR "endocrinous"[All Fields] AND ("male"[MeSH Terms] OR "male"[All Fields]) AND "cancer"[All Fields] OR "testis germ cell tumor"[All Fields] OR "testis germ cell tumour"[All Fields] OR "testicular germ cell tumor"[All Fields] OR "testicular germ cell tumour"[All Fields])</p>	
		<p><b>Block 3: Window of exposure</b></p> <p>"Maternal Exposure"[MeSH Terms] OR "Prenatal Exposure Delayed Effects"[MeSH Terms] OR "maternal fetal exchange"[MeSH Terms] OR "Pregnancy"[MeSH Terms] OR "Fetus"[MeSH Terms] OR "maternal exposure"[All Fields] OR "prenatal exposure delayed effect"[All Fields] OR "maternal fetal exchange"[All Fields] OR "Pregnancy"[All Fields] OR "Fetus"[MeSH Terms] OR "Fetus"[All Fields] OR "fetuses"[All Fields] OR "fetus s"[All Fields] OR "foetu"[All Fields] OR "foetus"[All Fields] OR "Fetus"[MeSH Terms] OR "Fetus"[All Fields] OR "fetuses"[All Fields] OR "fetus s"[All Fields] OR "foetu"[All Fields] OR "foetus"[All Fields] OR "prenatal exposure"[All Fields] OR "mother fetus relationship"[All Fields] OR "mother"[All Fields] OR "pregnant woman"[All Fields] OR "pregnant women"[All Fields] OR "perinatal period"[All Fields] OR "prenatal period"[All Fields] OR "maternally"[All Fields] OR "maternities"[All Fields] OR "maternity"[All Fields] OR "mothers"[MeSH Terms] OR "mothers"[All Fields] OR "maternal"[All Fields] OR "in utero"[All Fields] OR "in utero"[All Fields] OR "fetale"[All Fields] OR "fetally"[All Fields] OR "fetals"[All Fields] OR "Fetus"[MeSH Terms] OR "Fetus"[All Fields] OR "fetal"[All Fields] OR "foetal"[All Fields] OR "fetale"[All Fields] OR "fetally"[All Fields] OR "fetals"[All Fields] OR "Fetus"[MeSH Terms] OR "Fetus"[All Fields] OR "fetal"[All Fields] OR "foetal"[All Fields] OR "gestation"[All Fields] OR "perinatal"[All Fields] OR "perinatally"[All Fields] OR "perinatals"[All Fields] OR "peri-natal"[All Fields] OR "prenatal"[All Fields] OR "prenatally"[All Fields] OR "prenatals"[All Fields] OR "pre-natal"[All Fields]</p>	1,631,421
		<b>Block 1 AND Block 2 AND Block 3</b>	368
14/09/22*	Embase®	<p><b>Block 1: Exposure</b></p> <p>smoking.mp. or smoking/  nicotine.mp. or nicotine/  cotinine.mp. or cotinine/  tobacco product*.mp.  tobacco/ or tobacco.mp.  electronic nicotine delivery system.mp.  risk factor/ or risk factor*.mp.  cigarette smoking.mp. or cigarette smoking/  vaping.mp. or vaping/  maternal smoking.mp. or maternal smoking/  parental smoking.mp. or parental smoking/  paternal smoking.mp. or paternal smoking/  electronic cigarette.mp. or electronic cigarette/  tobacco snuff.mp. or tobacco snuff/  snus.mp. or snus/  nicotine gum.mp. or nicotine gum/  nicotine patch.mp. or nicotine patch/  hookah.mp. or hookah/  passive smoking.mp. or passive smoking/  snuff.mp.  tobacco smoke pollution.mp.</p>	2,117,797
		<p><b>Block 2: Outcome</b></p> <p>testicular neoplasm.mp.  germinoma.mp.  seminoma/ or seminoma.mp.  nonseminomatous germ cell tumor.mp.  nonseminomatous germ cell tumour.mp.  testis tumor.mp. or testis tumor/  testis tumour.mp.  germ cell tumor.mp. or germ cell tumor/</p>	50,801

		nonseminomatous germinoma.mp. or non seminomatous germinoma/ testis nonseminoma cancer.mp. or testis nonseminoma cancer/ testicular nonseminoma cancer.mp. testis cancer.mp. or testis cancer/ testicular cancer.mp. testis carcinoma.mp. or testis carcinoma/ testicular carcinoma.mp. testis neoplasm*.mp. testicular tumor.mp. nonseminoma.mp. testis malignancy.mp. testicular malignancy.mp. endocrine male cancer.mp. testis germ cell tumor.mp. testis germ cell tumour.mp. testicular tumour.mp. testicular germ cell tumor.mp. testicular germ cell tumour.mp.	
		<b>Block 3: Window of exposure</b>  maternal exposure.mp. or maternal exposure/ prenatal exposure delayed effects.mp. maternal-fetal exchange.mp. pregnancy.mp. or pregnancy/ fetus/ or fetus.mp. foetus.mp. prenatal exposure.mp. or prenatal exposure/ mother fetus relationship.mp. or mother fetus relationship/ mother.mp. or mother/ pregnant woman.mp. or pregnant woman/ pregnant women.mp. perinatal period.mp. or perinatal period/ prenatal period.mp. or prenatal period/ maternal.mp. in-utero.mp. "in utero".mp. fetal.mp. foetal.mp. gestational.mp. perinatal.mp. peri-natal.mp. prenatal.mp. pre-natal.mp.	1,689,035
		<b>Block 1 AND Block 2 AND Block 3</b>	381

/=EMTREE term

.mp. = Keyword term

\*View full search string below (if you wish to run it, you have to copy it and paste into Ovid Search History Launcher

- <https://demo.ovid.com/demo/ovidsptools/launcher/launcher.html>)