

Search Strategy Appendix s1

A systematic review and meta-analysis of the Vitamin D Supplementation effects on oxidative stress

Groups	Descriptors
Outcome	Breast Neoplasms OR Breast Neoplasm OR Neoplasm, Breast OR Breast Tumors OR Breast Tumor OR Tumor, Breast OR Tumors, Breast OR Neoplasms, Breast OR Breast Carcinoma OR Breast Carcinomas OR Carcinoma, Breast OR Carcinomas, Breast OR Mammary Neoplasms, Human OR Human Mammary Neoplasm OR Human Mammary Neoplasms OR Neoplasm, Human Mammary OR Breast Cancer OR Cancer, Breast OR Mammary Cancer OR Cancer, Mammary OR Malignant Neoplasm of Breast OR Breast Malignant Neoplasm OR Malignant Tumor of Breast OR Breast Malignant Tumor OR Cancer of Breast OR Cancer of the Breast
Exposure	Premature Birth OR Birth, Premature OR Births, Premature OR Premature Births OR Preterm Birth OR Birth, Preterm OR Births, Preterm OR Preterm Births OR premature labor OR preterm delivery OR Premature Infant OR Prematurity OR infant, premature OR Neonate, Premature OR Premature Baby OR Premature Child OR Premature Child birth OR Premature Newborn

PubMed

Number of localized studies: 315

No Limits

	Descriptors	Number of studies reached
#1	<p>((((((((((((((((((((("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields]) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("breast"[All Fields] AND "neoplasm"[All Fields]) OR "breast neoplasm"[All Fields])) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("neoplasm"[All Fields] AND "breast"[All Fields]) OR "neoplasm, breast"[All Fields])) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("breast"[All Fields] AND "tumors"[All Fields]) OR "breast tumors"[All Fields])) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("breast"[All Fields] AND "tumor"[All Fields]) OR "breast tumor"[All Fields])) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("tumor"[All Fields] AND "breast"[All Fields]) OR "tumor, breast"[All Fields])) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("tumors"[All Fields] AND "breast"[All Fields]) OR "tumors, breast"[All Fields])) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("neoplasms"[All Fields] AND "breast"[All Fields])) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("breast"[All Fields] AND "carcinomas"[All Fields]) OR "breast carcinomas"[All Fields])) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("carcinoma"[All Fields] AND "breast"[All Fields]) OR "carcinoma, breast"[All Fields])) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("carcinomas"[All Fields] AND "breast"[All Fields]) OR "carcinomas, breast"[All Fields])) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("mammary"[All Fields] AND "neoplasms"[All Fields] AND "human"[All Fields])) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("human"[All Fields] AND "mammary"[All Fields] AND "neoplasm"[All Fields])) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("human"[All Fields] AND "mammary"[All Fields] AND "neoplasms"[All Fields]) OR "human mammary neoplasms"[All Fields])) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("neoplasm"[All Fields] AND "human"[All Fields] AND "mammary"[All Fields])) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("breast"[All Fields] AND "cancer"[All Fields]) OR "breast cancer"[All Fields])) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("cancer"[All Fields] AND "breast"[All Fields]) OR "cancer, breast"[All</p>	394,062

	<p>Fields))) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("mammary"[All Fields] AND "cancer"[All Fields]) OR "mammary cancer"[All Fields])) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("cancer"[All Fields] AND "mammary"[All Fields]) OR "cancer, mammary"[All Fields])) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("breast"[All Fields] AND "malignant"[All Fields] AND "neoplasm"[All Fields]) OR "breast malignant neoplasm"[All Fields])) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("malignant"[All Fields] AND "neoplasm"[All Fields] AND "breast"[All Fields]) OR "malignant neoplasm of breast"[All Fields])) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("malignant"[All Fields] AND "tumor"[All Fields] AND "breast"[All Fields]) OR "malignant tumor of breast"[All Fields])) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("breast"[All Fields] AND "malignant"[All Fields] AND "tumor"[All Fields]) OR "breast malignant tumor"[All Fields])) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("cancer"[All Fields] AND "breast"[All Fields]) OR "cancer of breast"[All Fields])) OR ("breast neoplasms"[MeSH Terms] OR ("breast"[All Fields] AND "neoplasms"[All Fields]) OR "breast neoplasms"[All Fields] OR ("cancer"[All Fields] AND "breast"[All Fields]) OR "cancer of the breast"[All Fields])</p>	
#2	<p>((((((((((((((((("premature birth"[MeSH Terms] OR ("premature"[All Fields] AND "birth"[All Fields]) OR "premature birth"[All Fields] OR "premature"[All Fields]) AND ("infant, newborn"[MeSH Terms] OR ("infant"[All Fields] AND "newborn"[All Fields]) OR "newborn infant"[All Fields] OR "newborn"[All Fields])) OR (("premature birth"[MeSH Terms] OR ("premature"[All Fields] AND "birth"[All Fields]) OR "premature birth"[All Fields] OR "premature"[All Fields]) AND ("child"[MeSH Terms] OR "child"[All Fields]) AND ("parturition"[MeSH Terms] OR "parturition"[All Fields] OR "birth"[All Fields]))) OR (("premature birth"[MeSH Terms] OR ("premature"[All Fields] AND "birth"[All Fields]) OR "premature birth"[All Fields] OR "premature"[All Fields]) AND ("infant, newborn"[MeSH Terms] OR ("infant"[All Fields] AND "newborn"[All Fields]) OR "newborn infant"[All Fields] OR "baby"[All Fields] OR "infant"[MeSH Terms] OR "infant"[All Fields])) OR (("infant, newborn"[MeSH Terms] OR ("infant"[All Fields] AND "newborn"[All Fields]) OR "newborn infant"[All Fields] OR "neonate"[All Fields]) AND ("premature birth"[MeSH Terms] OR ("premature"[All Fields] AND "birth"[All Fields]) OR "premature birth"[All Fields] OR "premature"[All Fields])) OR ("infant, premature"[MeSH Terms] OR ("infant"[All Fields] AND "premature"[All Fields]) OR "premature infant"[All Fields] OR ("infant"[All Fields] AND "premature"[All Fields]) OR "infant, premature"[All Fields])) OR Prematurity[All Fields] OR ("infant, premature"[MeSH Terms] OR ("infant"[All Fields] AND "premature"[All Fields]) OR "premature infant"[All Fields] OR ("premature"[All Fields] AND "infant"[All Fields])) OR ("premature birth"[MeSH Terms] OR ("premature"[All Fields] AND "birth"[All Fields]) OR "premature birth"[All Fields] OR ("preterm"[All Fields] AND "delivery"[All Fields]) OR "preterm delivery"[All Fields])) OR ("premature labour"[All Fields] OR "obstetric labor, premature"[MeSH Terms] OR ("obstetric"[All Fields] AND "labor"[All Fields] AND "premature"[All Fields]) OR "premature obstetric labor"[All Fields] OR</p>	135,345

	<p>("premature"[All Fields] AND "labor"[All Fields]) OR "premature labor"[All Fields])) OR ("premature birth"[MeSH Terms] OR ("premature"[All Fields] AND "birth"[All Fields]) OR "premature birth"[All Fields] OR ("preterm"[All Fields] AND "births"[All Fields]) OR "preterm births"[All Fields])) OR ("premature birth"[MeSH Terms] OR ("premature"[All Fields] AND "birth"[All Fields]) OR "premature birth"[All Fields] OR ("births"[All Fields] AND "preterm"[All Fields])) OR ("premature birth"[MeSH Terms] OR ("premature"[All Fields] AND "birth"[All Fields]) OR "premature birth"[All Fields] OR ("birth"[All Fields] AND "preterm"[All Fields]) OR "birth, preterm"[All Fields])) OR ("premature birth"[MeSH Terms] OR ("premature"[All Fields] AND "birth"[All Fields]) OR "premature birth"[All Fields] OR ("preterm"[All Fields] AND "birth"[All Fields]) OR "preterm birth"[All Fields])) OR ("premature birth"[MeSH Terms] OR ("premature"[All Fields] AND "birth"[All Fields]) OR "premature birth"[All Fields] OR ("premature"[All Fields] AND "births"[All Fields]) OR "premature births"[All Fields])) OR ("premature birth"[MeSH Terms] OR ("premature"[All Fields] AND "birth"[All Fields]) OR "premature birth"[All Fields] OR ("births"[All Fields] AND "premature"[All Fields]) OR "births, premature"[All Fields])) OR ("premature birth"[MeSH Terms] OR ("premature"[All Fields] AND "birth"[All Fields]) OR "premature birth"[All Fields] OR ("birth"[All Fields] AND "premature"[All Fields]) OR "birth, premature"[All Fields])) OR ("premature birth"[MeSH Terms] OR ("premature"[All Fields] AND "birth"[All Fields]) OR "premature birth"[All Fields])</p>	
#3	#1 AND #2	315

Web Of Science

Number of localized studies: 499

No Limits

	Descriptors	Number of studies reached
#1	<p>TOPIC: (Breast Neoplasms) OR TOPIC: (Breast Neoplasm) OR TOPIC: (Neoplasm, Breast) OR TOPIC: (Breast Tumors) OR TOPIC: (Breast Tumor) OR TOPIC: (Tumor, Breast) OR TOPIC: (Tumors, Breast) OR TOPIC: (Neoplasms, Breast) OR TOPIC: (Breast Carcinoma) OR TOPIC: (Breast Carcinomas) OR TOPIC: (Carcinoma, Breast) OR TOPIC: (Carcinomas, Breast) OR TOPIC: (Mammary Neoplasms, Human) OR TOPIC: (Human Mammary Neoplasm) OR TOPIC: (Human Mammary Neoplasms) OR TOPIC: (Neoplasm, Human Mammary) OR TOPIC: (Breast Cancer) OR TOPIC: (Cancer, Breast) OR TOPIC: (Mammary Cancer) OR TOPIC: (Cancer, Mammary) OR TOPIC: (Malignant Neoplasm of</p>	554,193

	Breast) OR TOPIC: (Breast Malignant Neoplasm) OR TOPIC: (Malignant Tumor of Breast) OR TOPIC: (Breast Malignant Tumor) OR TOPIC: (Cancer of Breast)	
#2	TOPIC: (Premature Birth) OR TOPIC: (Birth, Premature) OR TOPIC: (Births, Premature) OR TOPIC: (Premature Births) OR TOPIC: (Preterm Birth) OR TOPIC: (Birth, Preterm) OR TOPIC: (Births, Preterm) OR TOPIC: (Preterm Births) OR TOPIC: (premature labor) OR TOPIC: (preterm delivery) OR TOPIC: (Premature Infant) OR TOPIC: (Prematurity) OR TOPIC: (infant, premature) OR TOPIC: (Neonate, Premature) OR TOPIC: (Premature Baby) OR TOPIC: (Premature Child) OR TOPIC: (Premature Child birth) OR TOPIC: (Premature Newborn)	97,777
#3	#1 AND #2	499

Scopus

Number of localized studies: 949

Limits: No limit

	Descriptors	Number of studies reached
#1	<p>(TITLE-ABS-KEY (breast AND neoplasms) OR TITLE-ABS-KEY (breast AND neoplasm) OR TITLE-ABS-KEY (neoplasm, AND breast) OR TITLE-ABS-KEY (breast AND tumors) OR TITLE-ABS-KEY (breast AND tumor) OR TITLE-ABS-KEY (tumor, AND breast) OR TITLE-ABS-KEY (tumors, AND breast) OR TITLE-ABS-KEY (neoplasms, AND breast) OR TITLE-ABS-KEY (breast AND carcinoma) OR TITLE-ABS-KEY (breast AND carcinomas) OR TITLE-ABS-KEY (carcinoma, AND breast) OR TITLE-ABS-KEY (carcinomas, AND breast) OR TITLE-ABS-KEY (mammary AND neoplasms, AND human) OR TITLE-ABS-KEY (human AND mammary AND neoplasm) OR TITLE-ABS-KEY (human AND mammary AND neoplasms) OR TITLE-ABS-KEY (neoplasm, AND human AND mammary) OR TITLE-ABS-KEY (breast AND cancer) OR TITLE-ABS-KEY (cancer, AND breast) OR TITLE-ABS-KEY (mammary AND cancer) OR TITLE-ABS-KEY (cancer, AND mammary) OR TITLE-ABS-KEY (malignant AND neoplasm AND of AND breast) OR TITLE-ABS-KEY (breast AND malignant AND neoplasm) OR TITLE-ABS-KEY (breast AND malignant AND tumor) OR TITLE-ABS-KEY (malignant AND tumor AND of AND breast) OR TITLE-ABS-KEY (cancer AND of AND breast) OR TITLE-ABS-KEY (cancer AND of AND the AND breast))</p>	531,572
#2	<p>(TITLE-ABS-KEY (premature AND birth) OR TITLE-ABS-KEY (birth, AND premature) OR TITLE-ABS-KEY (births, AND premature) OR TITLE-ABS-KEY (premature AND births) OR TITLE-ABS-KEY (preterm AND birth) OR TITLE-ABS-KEY (birth, AND preterm) OR TITLE-ABS-KEY (births, AND preterm) OR TITLE-ABS-KEY (premature AND labor) OR TITLE-ABS-KEY (preterm AND births) OR TITLE-ABS-KEY (preterm AND delivery) OR TITLE-ABS-KEY (premature AND infant) OR TITLE-ABS-KEY (prematurity) OR TITLE-ABS-KEY (infant, AND premature) OR TITLE-ABS-KEY (neonate, AND premature) OR TITLE-ABS-KEY (premature AND baby) OR TITLE-ABS-KEY (premature AND child) OR TITLE-ABS-KEY (premature AND child AND birth) OR TITLE-ABS-KEY (premature AND newborn))</p>	179,505
#3	#1 AND #2	949

Embase

Number of localized studies: 153

Limits: no limits

	Descriptors	Number of studies reached
#1	'breast neoplasms':ti,ab,kw OR 'breast neoplasm':ti,ab,kw OR 'neoplasm, breast':ti,ab,kw OR 'breast tumors':ti,ab,kw OR 'breast tumor':ti,ab,kw OR 'tumor, breast':ti,ab,kw OR 'tumors, breast':ti,ab,kw OR 'neoplasms, breast':ti,ab,kw OR 'breast carcinoma':ti,ab,kw OR 'breast carcinomas':ti,ab,kw OR 'carcinoma, breast':ti,ab,kw OR 'carcinomas, breast':ti,ab,kw OR 'mammary neoplasms, human':ti,ab,kw OR 'human mammary neoplasm':ti,ab,kw OR 'human mammary neoplasms':ti,ab,kw OR 'neoplasm, human mammary':ti,ab,kw OR 'breast cancer':ti,ab,kw OR 'cancer, breast':ti,ab,kw OR 'mammary cancer':ti,ab,kw OR 'cancer, mammary':ti,ab,kw OR 'malignant neoplasm of breast':ti,ab,kw OR 'breast malignant neoplasm':ti,ab,kw OR 'malignant tumor of breast':ti,ab,kw OR 'breast malignant tumor':ti,ab,kw OR 'cancer of breast':ti,ab,kw OR 'cancer of the breast':ti,ab,kw	390,043
#2	'premature birth':ti,ab,kw OR 'birth, premature':ti,ab,kw OR 'births, premature':ti,ab,kw OR 'premature births':ti,ab,kw OR 'preterm birth':ti,ab,kw OR 'birth, preterm':ti,ab,kw OR 'births, preterm':ti,ab,kw OR 'preterm births':ti,ab,kw OR 'premature labor':ti,ab,kw OR 'preterm delivery':ti,ab,kw OR 'premature infant':ti,ab,kw OR 'prematurity':ti,ab,kw OR 'infant, premature':ti,ab,kw OR 'neonate, premature':ti,ab,kw OR 'premature baby':ti,ab,kw OR 'premature child':ti,ab,kw OR 'premature child birth':ti,ab,kw OR 'premature newborn':ti,ab,kw	73,966
#3	#1 AND #2	153

Duplicate: 658

Total: 2446