

Supplemental Material 2

1. PubMed. 2025-9-19. Total: 167 articles

((((((((((("Ovarian Follicle"[Mesh]) OR (Follicle, Ovarian[Title/Abstract])) OR (Follicles, Ovarian[Title/Abstract])) OR (Ovarian Follicles[Title/Abstract])) OR (Graafian Follicle[Title/Abstract])) OR (Follicle, Graafian[Title/Abstract])) OR (Follicles, Graafian[Title/Abstract])) OR (Graafian Follicles[Title/Abstract])) OR (Atretic Follicle[Title/Abstract])) OR (Atretic Follicles[Title/Abstract])) OR (Follicle, Atretic[Title/Abstract])) OR (Follicles, Atretic[Title/Abstract])) AND (((((((((((("Mesenchymal Stem Cells"[Mesh]) OR (Mesenchymal Stem Cell[Title/Abstract])) OR (Mesenchymal Stromal Cells[Title/Abstract])) OR (Wharton Jelly Cells[Title/Abstract])) OR (Bone Marrow Stromal Cells[Title/Abstract])) OR (Multipotent Bone Marrow Stromal Cells[Title/Abstract])) OR (Bone Marrow Stromal Stem Cells[Title/Abstract])) OR (Mesenchymal Progenitor Cells[Title/Abstract])) OR (Multipotent Mesenchymal Stromal Cells[Title/Abstract])) OR (Bone Marrow Mesenchymal Stem Cells[Title/Abstract])) OR (Adipose-Derived Mesenchymal Stem Cells[Title/Abstract])) OR (Adipose-Derived Mesenchymal Stromal Cells[Title/Abstract])) OR (Adipose Tissue-Derived Mesenchymal Stromal Cells[Title/Abstract])) OR (Adipose Tissue-Derived Mesenchymal Stem Cells[Title/Abstract]))

#1	"Ovarian Follicle"[MeSH Terms]	33073
#2	"Ovarian Follicle"[MeSH Terms]OR "Ovarian Follicle"[Title/Abstract]OR "follicleovarian"[Title/Abstract]OR "follicles ovarian"[Title/Abstract]OR "ovarian follicles"[Title/Abstract]OR "graafian follicle"[Title/Abstract]OR "follicle graafian"[Title/Abstract]OR "follicles graafian"[Title/Abstract]OR "graafian follicles"[Title/Abstract]OR "atretic follicle"[Title/Abstract]OR "atretic follicles"[Title/Abstract]OR "follicle atretic"[Title/Abstract]OR "follicles atretic"[Title/Abstract]	35994
#3	"Mesenchymal Stem Cells"[MeSH Terms]	57487
#4	"Mesenchymal Stem Cells"[MeSH Terms]OR "Mesenchymal Stem Cells"[Title/Abstract]OR "wharton jelly cells"[Title/Abstract]OR "bone marrow stromal cells"[Title/Abstract]OR "multipotent bone marrow stromal cell"[Title/Abstract]OR "mesenchymal progenitor cell"[Title/Abstract]OR "multipotent mesenchymal stromal cells"[Title/Abstract]OR "bone marrow mesenchymal stem cells"[Title/Abstract]OR "adipose derived mesenchymal stem cells"[Title/Abstract]OR "adipose tissue derived mesenchymal stromal cell"[Title/Abstract]OR "adipose tissue derived mesenchymal stem cell"[Title/Abstract]OR "adipose derived mesenchymal stem cell"[Title/Abstract]	78979
#5	#2 AND #4	167

2. China National Knowledge Infrastructure (CNKI). 2025-9-19. Total: 451 articles (Chinese: 281; English: 170)

(主题: 间充质干细胞) OR (篇文摘: 间充质干细胞 + 间充质 + 干细胞 + 多能干细胞 + 成体干细胞(精确)) AND (主题: 卵巢微环境) OR (篇文摘: 卵巢微环境 + 卵巢体微环境(精确))

3. VIP. 2025-9-19. Total: 413 articles

篇文摘=卵巢微环境 or 卵巢体微环境 AND 篇文摘=间充质干细胞 or 间充质 or 干细胞 or 多能干细胞 or 成体干细胞

4. Wanfang. 2025-9-19. Total: 197 articles

(主题:(间充质干细胞) or 题名或关键词:(间充质干细胞 or 间充质 or 干细胞 or 多能干细胞 or 成体干细胞)) and (主题:(卵巢微环境) or 题名或关键词:(卵巢微环境 or 卵巢体微环境))

5. Wos. Web of science. 2025-9-19. Total: 452 articles

(TS=(Ovarian Follicle) OR AB=(Ovarian Follicle OR Follicle, Ovarian OR Follicles, Ovarian OR Ovarian Follicles OR Graafian Follicle OR Follicle, Graafian OR Follicles, Graafian OR Graafian Follicles OR Atretic Follicle OR Atretic Follicles OR Follicle, Atretic OR Follicles, Atretic)) AND (TS=(Mesenchymal Stem Cells) OR AB=(Mesenchymal Stem Cells OR Wharton Jelly Cells OR Bone Marrow Stromal Cells OR Multipotent Bone Marrow Stromal Cell OR Mesenchymal Progenitor Cell OR Multipotent Mesenchymal Stromal Cells OR Bone Marrow Mesenchymal Stem Cells OR Adipose-Derived Mesenchymal Stem Cells OR Adipose Tissue-Derived Mesenchymal Stromal Cell OR Adipose Tissue-Derived Mesenchymal Stem Cell OR Adipose-Derived Mesenchymal Stem Cell))

6. Cochranre Library. 2025-9-19. Total: 13 articles

+

#1

MeSH descriptor: [Ovarian Follicle] explode all trees

MeSH

693

+

#2

(Ovarian Follicle or Follicle, Ovarian or Follicles, Ovarian or Ovarian Follicles or Graafian Follicle or Follicle, Graafian or Follicles, Graafian or Graafian Follicles or Atretic Follicle or Atretic Follicles or Follicle, Atretic or Follicles, Atretic):ti,ab,kw

S

Limits

4235

(Word variations have been searched)

+

#3

#1 or #2

Limits

4362

+

#4

MeSH descriptor: [Mesenchymal Stem Cells] explode all trees

MeSH

373

+

#5

(Mesenchymal Stem Cells or Mesenchymal Stromal Cells or Wharton Jelly Cells or Bone Marrow Stromal Cells or Multipotent Bone Marrow Stromal Cells or Bone Marrow Stromal Stem Cells or Mesenchymal Progenitor Cells or Multipotent Mesenchymal Stromal Cells or Bone Marrow Mesenchymal Stem Cells or Adipose-Derived Mesenchymal Stem Cells or Adipose-Derived Mesenchymal Stromal Cells or Adipose Tissue-Derived Mesenchymal Stromal Cells or Adipose Tissue-Derived Mesenchymal Stem Cells):ti,ab,kw

S

Limits

2684

(Word variations have been searched)

+

#6

#4 or #5

Limits

2697

+

#7

#3 and #6

Limits

13

7. Embase. 2025-9-19. Total: 68 articles

No.	Query	Results
#3	#1 AND #2	68
#2	'mesenchymal stem cells':ab,ti OR 'wharton jelly cells':ab,ti OR 'bone marrow stromal cells':ab,ti OR 'multipotent bone marrow stromal cell':ab,ti OR 'mesenchymal progenitor cell':ab,ti OR 'multipotent mesenchymal stromal cells':ab,ti OR 'bone marrow mesenchymal stem cells':ab,ti OR 'adipose-derived mesenchymal stem cells':ab,ti OR 'adipose tissue-derived mesenchymal stromal cell':ab,ti OR 'adipose tissue-derived mesenchymal stem cell':ab,ti OR 'adipose-derived mesenchymal stem cell':ab,ti	94748
#1	'ovarian follicle':ab,ti OR 'follicle, ovarian':ab,ti OR 'follicles, ovarian':ab,ti OR 'ovarian follicles':ab,ti OR 'graafian follicle':ab,ti OR 'follicle, graafian':ab,ti OR 'follicles, graafian':ab,ti OR 'graafian follicles':ab,ti OR 'atretic follicle':ab,ti OR 'atretic follicles':ab,ti OR 'follicle, atretic':ab,ti OR 'follicles, atretic':ab,ti	12451

Total: 1,761 articles underwent screening

deduplication (483 duplicate articles removed);

total number of articles: 1,278.