

Appendix S1

The full search strategy

MEDLINE

"Melanosis"[Mesh:NoExp] 3051
 Chloasma[tiab] OR Chloasmas[tiab] OR Melasma[tiab] OR Melasmas[tiab] 885
 1 OR 2 3466
 ("Tranexamic Acid"[Mesh]) OR "Antifibrinolytic Agents"[Mesh] 7597
 "Tranexamic"[tiab] 2558
 4 OR 5 8507
 6 AND 3 23

EMBASE

'melanosis'/de OR 'chloasma'/exp 4754
 Chloasma:ab,ti OR Chloasmas:ab,ti OR Melasma:ab,ti OR Melasmas:ab,ti 1339
 1 OR 2 4941
 'antifibrinolytic agent'/de OR 'tranexamic acid'/exp
 Tranexamic:ab,ti 3765
 4 OR 5 11726
 6 AND 3 61

Cochrane

MeSH descriptor: [Melanosis] this term only 120
 2. Chloasma or Chloasmas or Melasma or Melasmas:ti,ab,kw (Word variations have been searched) 237
 3. 1 OR 2 259
 4. MeSH descriptor: [Tranexamic Acid] explode all trees 498
 5. MeSH descriptor: [Antifibrinolytic Agents] explode all trees 533
 6. 4 OR 5 684
 7. "Tranexamic":ti,ab,kw (Word variations have been searched) 1108
 8. 6 OR 7 1274
 9. 3 AND 8 10
 10. 9/TRIALS 10

Web of Science

1.TOPIC: ("Melanosis") OR TITLE: ("Melanosis") 1993
 2. TOPIC: (Chloasma OR Chloasmas OR Melasma OR Melasmas) OR TITLE: (Chloasma OR Chloasmas OR Melasma OR Melasmas) 1033
 3. 1 OR 2 2991
 4. TOPIC: (("Tranexamic Acid") OR "Antifibrinolytic Agents") OR TITLE: (("Tranexamic Acid") OR "Antifibrinolytic Agents") 3205
 5. TOPIC: ("Tranexamic") OR TITLE: ("Tranexamic") 3019
 6. 4 OR 5 3210
 7. 6 AND 3 32

SCOPUS

1. INDEXTERMS ("Melanosis") 4189
 2. TITLE-ABS-KEY (chloasma OR chloasmas OR melasma OR melasmas) 1817
 3. 1 OR 2 5488
 4. INDEXTERMS (("Tranexamic Acid") OR "Antifibrinolytic Agents") 11503
 5. TITLE-ABS-KEY ("Tranexamic") 7973
 6. 4 OR 5 12030
 7. 6 AND 3 54

MEDLINE 23

EMBASE 61

COCHRANE 10

Web of Science 32

SCOPUS 54

*Total 180**Duplicates 94**Final 86*