Supplementary file

Database: Medline

- "arthritis, Rheumatoid" [MESH]
- 2. "arthritis Rheumat*".tw.
- 3. "Caplan Syndrome".tw
- 4. "Felty Syndrome".tw.
- 5. "Rheumatoid Nodule".tw.
- 6. "Sjögren's Syndrome".tw.
- 7. "Still's Disease".tw.
- 8. Or/1-7
- 9. Infliximab.tw.
- 10. Remicade.tw.
- 11. Inflectra.tw.
- adalimumab.tw. 12.
- humira.tw. 13.
- Etanercept.tw. 14.
- 15. Enbrel.tw.
- 16. Golimumab.tw.
- Simponi.tw. 17.
- Certolizumab.tw. 18.
- Cimzia.tw. 19
- 20 Tocilizumab.tw.
- 21. Actemra.tw.
- 22. Rituximab.tw.
- 23. Mabthera.tw.
- 24. Rituxan.tw.
- Abatacept.tw. 2.5
- 26. Orencia.tw.
- 27. Anakinra.tw.
- 28. Kineret.tw.
- "biologic* disease-modifying 29. antirheumatic drugs".tw.
- "Biologic* dmards".tw. 30.
- "biologic* antirheumatic agents".tw. 31.
- 32. Exp Tumor Necrosis Factor-alpha/
- anti-tnf.tw. 33
- anti-tumor necrosis factor alpha.tw.
- 35. anti-tumour necrosis factor alpha.tw.
- 36. "tnf inhibitors".tw.
- 37. Or/9-36
- Exp'drug dose reduction'/ 38.
- "down titrat*".tw.
 "dose titrat*".tw 39.
- 40.
- "dose reduc*".tw. 41.
- "dose de-escalation".tw. 42.
- Taper*.tw. 43.
- Spac*.tw. 44.
- Interval widen*.tw. 45
- 46. Or/38-45
- 47. 'double blind Method'[mesh]
- 'single blind method'[mesh] 48
- 49. Random*.tw
- 50. Double blind
- 51. Single blind
- 52. "Randomized Controlled Trial"[Mesh]
- "Randomized Controlled Trials 53. (topic)"[MeSH]
- Or/47-53 54.
- 8 and 37 and 46 and 54

Database: EMBASE

- Exp arthritis, Rheumatoid/
- 2. "arthritis Rheumat*".tw.
- 3. "Caplan Syndrome".tw
- 4. "Felty Syndrome".tw.
- 5. "Rheumatoid Nodule".tw. 6. "Sjögren's Syndrome".tw.
- "Still's Disease".tw. 7.
- 8. Or/1-7
- 9. Exp Infliximab/
- 10. remicade.mp.
- inflectra.mp. 11.
- Exp adalimumab/ 12.
- 13. humira.mp.
- 14. Exp Etanercept/
- 15. enbrel.mp.
- Exp Golimumab/ 16.
- simponi.mp. 17.
- Exp Certolizumab pegol / 18.
- cimzia.mp. 19.
- 20. Exp Tocilizumab/
- 21. actemra.mp.
- 22. Exp Rituximab/
- 23. mabthera.mp.
- 24. Rituxan.mp.
- 25. Exp Abatacept/
- 26. orencia.mp.
- Exp 'recombinant interleukin 1 27. receptor blocking agent'/
- 28. kineret.mp.
- 29. "biologic* disease-modifying antirheumatic drugs".tw.
- 30. "Biologic* dmards".tw.
- 31. "biologic* antirheumatic agents".tw.
- 32. Exp Tumor Necrosis Factor-alpha/
- 33. anti-tnf.tw.
- 34. anti-tumor necrosis factor alpha.tw.
- 35. anti-tumour necrosis factor alpha.tw.
- 36. "tnf inhibitors".tw.
- 37. Or/9-36
- Exp drug dose reduction/ 38.
- 39. "down titrat*".tw.
- "dose titrat*".tw 40.
- "dose reduc*".tw. 41. "dose de-escalation".tw. 42.
- "dose taper".tw. 43.
- 44. Taper*.tw.
- 45. Spac*.tw.
- 46. Interval widen*.tw.
- 47 "remission induction" [MeSH]
- 48. Or/38-47
- 49. 'double blind procedure'/exp
- 50. 'single blind procedure'/exp
- 51. 'crossover procedure'/exp
- 52. Random*.tw
- 53. Double blind
- 54. Single blind
- "Randomized Controlled Trial"[Mesh]
- 56. "Randomized Controlled Trials (topic)"[MeSH]
- 57. Or/49-56
- 8 and 37 and 48 and 57

Database: Cochrane

- MeSH descriptor: [Arthritis, Rheumatoid] explode all trees
- 2. arthritis near/2 rheumat* (Word variations have been searched)
- 3. "Caplan Syndrome" (Word variations have been searched)
- 4. "rheumatoid arthritis" (Word variations have been searched)
- 5. "Felty syndrome" (Word variations have been searched)
- 6. "rheumatoid nodule" (Word variations have been searched)
- 7. "Sjögren's syndrome" (Word variations have been searched)
- "Still's disease" (Word variations 8. have been searched)
- #1 or #2 or #3 or #4 or #5 or #6 or #7 or #8
- 10. tnf inhibitors (Word variations have been searched)
- tnf inhibitor (Word variations have been searched)
- anti-tumour necrosis factor alpha (Word variations have been searched)
- MeSH descriptor: [Tumor Necrosis Factor-alpha] explode all trees and with qualifier(s): [Administration & dosage - AD]
- biologic* disease-modifying antirheumatic drugs (Word variations have been searched)
- biologic* dmards or anti-tumor necrosis factor alpha (Word variations have been searched)
- 16. "tumor necrosis factor-alpha" (Word variations have been searched)
- anti-tnf (Word variations have been searched)
- "infliximab" (Word variations have been searched)
- "Remicade" (Word variations have 19. been searched)
- searched) "adalimumab" (Word variations have 21.

inflectra (Word variations have been

been searched) "Humira" (Word variations have been searched)

20.

- "etanercept" (Word variations have been searched)
- 24. "Enbrel" (Word variations have been searched)
- 25. golimumab (Word variations have been searched) 26. simponi (Word variations have been
- searched) 27. "certolizumab" (Word variations
- have been searched) Cimzia (Word variations have been searched)
- Tocilizumab (Word variations have been searched)

- 30. Actemra (Word variations have been searched)
- 31. "rituximab" (Word variations have been searched)
- 32. "Mabthera" (Word variations have been searched)
- 33. "Rituxan" (Word variations have been searched)
- 34. "abatacept" (Word variations have been searched)
- 35. "Orencia" (Word variations have been searched)
- 36. "Kineret" (Word variations have been

- searched)
 "anakinra" (Word variation)
- 37. "anakinra" (Word variations have been searched)
- 38. #10 or #11 or #12 or #13 or #14 or #15 or #16 or #17 or #18 or #19 or #20 or #21 or #22 or #23 or #24 or #25 or #26 or #27 or #28 or #29 or #30 or #31 or #32 or #33 or #34 or #35 or #36 or #37
- 39. down titrat* (Word variations have been searched)
- 40. dose titrat* (Word variations have been searched)

- 41. dose reduc* (Word variations have been searched)
- 42. dose de-escalation or taper* (Word variations have been searched)
- 43. Spac* (Word variations have been searched)
- 44. Interval widen* (Word variations have been searched)
- 45. #39 or #40 or #41 or #42 or #43 or #44
- 46. #9and #38 and #45