**Evidence for harm in COVID-19 patients on treatment for underlying rheumatic inflammatory diseases**

**Search History**

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|  | **Source** | **Criteria** | **Results** |
| 1. | Medline | exp CORONAVIRUS/ OR exp CORONAVIRUS INFECTIONS/ | 17730 |
| 2. | Medline | (coronavirus).ti,ab | 15063 |
| 3. | Medline | ("Severe Acute Respiratory Syndrome Coronavirus 2").ti,ab | 943 |
| 4. | Medline | (ncov OR 2019-nCoV OR 2019nCoV OR COVID-19 OR COVID19 OR SARS-CoV-2).ti,ab | 13060 |
| 5. | Medline | (1 OR 2 OR 3 OR 4) | 31673 |
| 6. | Medline | "RHEUMATIC DISEASES"/ OR "ARTHRITIS, RHEUMATOID"/ OR "POLYMYALGIA RHEUMATICA"/ OR "RHEUMATOID VASCULITIS"/ | 120386 |
| 7. | Medline | POLYMYOSITIS/ | 2485 |
| 8. | Medline | "SPONDYLITIS, ANKYLOSING"/ | 14560 |
| 9. | Medline | exp "LUPUS ERYTHEMATOSUS, SYSTEMIC"/ OR exp "SCLERODERMA, SYSTEMIC"/ | 77223 |
| 10. | Medline | "ARTHRITIS, PSORIATIC"/ | 5988 |
| 11. | Medline | (rheumat\*).ti,ab | 171433 |
| 12. | Medline | ("rheumatoid arthritis" OR "psoriatic arthritis" OR "ankylosing spondylitis" OR "systemic lupus erythematosus" OR scleroderma OR polymyositis OR vasculitis OR "polymyalgia rheumatica").ti,ab | 208596 |
| 13. | Medline | (6 OR 7 OR 8 OR 9 OR 10 OR 11 OR 12) | 323771 |
| 14. | Medline | exp "ANTIRHEUMATIC AGENTS"/ | 438680 |
| 15. | Medline | exp STEROIDS/ | 852932 |
| 16. | Medline | "BIOSIMILAR PHARMACEUTICALS"/ | 1929 |
| 17. | Medline | "JANUS KINASE INHIBITORS"/ | 285 |
| 18. | Medline | ("disease-modifying anti-rheumatic" OR DMARD\*).ti,ab | 5201 |
| 19. | Medline | (steroid\*).ti,ab | 216972 |
| 20. | Medline | (biologics).ti,ab | 9342 |
| 21. | Medline | ("janus kinase inhibitor\*").ti,ab | 570 |
| 22. | Medline | ("JAK inhibitor\*").ti,ab | 1421 |
| 23. | Medline | (hydroxychloroquine).ti,ab | 4172 |
| 24. | Medline | (anakinra).ti,ab | 1617 |
| 25. | Medline | (tocilizumab).ti,ab | 2770 |
| 26. | Medline | (anti-TNF).ti,ab | 10044 |
| 27. | Medline | (rituximab).ti,ab | 20003 |
| 28. | Medline | (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) | 1373311 |
| 29. | Medline | (5 AND 13 AND 28) | 45 |
| 30. | Medline | 29 [Languages English] | 42 |
| 31. | EMBASE | exp "CORONAVIRUS INFECTION"/ | 13363 |
| 32. | EMBASE | (coronavirus).ti,ab | 15244 |
| 33. | EMBASE | ("Severe Acute Respiratory Syndrome Coronavirus 2").ti,ab | 822 |
| 34. | EMBASE | (ncov OR 2019-nCoV OR 2019nCoV OR COVID-19 OR COVID19 OR SARS-CoV-2).ti,ab | 11346 |
| 35. | EMBASE | (31 OR 32 OR 33 OR 34) | 30450 |
| 36. | EMBASE | "RHEUMATIC DISEASE"/ OR "RHEUMATIC POLYMYALGIA"/ OR exp "RHEUMATOID ARTHRITIS"/ | 229445 |
| 37. | EMBASE | POLYMYOSITIS/ | 8409 |
| 38. | EMBASE | "ANKYLOSING SPONDYLITIS"/ | 26392 |
| 39. | EMBASE | exp "SYSTEMIC LUPUS ERYTHEMATOSUS"/ | 88765 |
| 40. | EMBASE | exp SCLERODERMA/ | 43779 |
| 41. | EMBASE | "PSORIATIC ARTHRITIS"/ | 22151 |
| 42. | EMBASE | (rheumat\*).ti,ab | 261271 |
| 43. | EMBASE | ("rheumatoid arthritis" OR "psoriatic arthritis" OR "ankylosing spondylitis" OR "systemic lupus erythematosus" OR scleroderma OR polymyositis OR vasculitis OR "polymyalgia rheumatica").ti,ab | 304858 |
| 44. | EMBASE | (36 OR 37 OR 38 OR 39 OR 40 OR 41 OR 42 OR 43) | 490428 |
| 45. | EMBASE | exp \*"ANTIRHEUMATIC AGENT"/ | 200279 |
| 46. | EMBASE | exp \*STEROID/ | 546811 |
| 47. | EMBASE | exp \*"BIOSIMILAR AGENT"/ | 2613 |
| 48. | EMBASE | exp \*"JANUS KINASE INHIBITOR"/ | 5077 |
| 49. | EMBASE | ("disease-modifying anti-rheumatic" OR DMARD\*).ti,ab | 15825 |
| 50. | EMBASE | (steroid\*).ti,ab | 316518 |
| 51. | EMBASE | (biologics).ti,ab | 20940 |
| 52. | EMBASE | ("janus kinase inhibitor\*").ti,ab | 1158 |
| 53. | EMBASE | ("JAK inhibitor\*").ti,ab | 2965 |
| 54. | EMBASE | (hydroxychloroquine).ti,ab | 7986 |
| 55. | EMBASE | (anakinra).ti,ab | 3386 |
| 56. | EMBASE | (tocilizumab).ti,ab | 7168 |
| 57. | EMBASE | (anti-TNF).ti,ab | 21993 |
| 58. | EMBASE | (rituximab).ti,ab | 44642 |
| 59. | EMBASE | (45 OR 46 OR 47 OR 48 OR 49 OR 50 OR 51 OR 52 OR 53 OR 54 OR 55 OR 56 OR 57 OR 58) | 1009948 |
| 60. | EMBASE | (35 AND 44 AND 59) | 77 |
| 61. | EMBASE | 60 [Exclude medline journals] [Languages English] | 8 |