**B. Search Strategy:**

Searched on 30/5/20...

NICE Evidence Search at www.evidence.nhs.uk:

[(corona\* or COVID\* or ncov\* or "n cov" or sars or mers or "Severe Acute Respiratory Syndrome" OR "Middle East Respiratory Syndrome") AND (heart\* or cardiac\* or cardiovascula\* or myocardi\* or troponin\* or creatinine)](https://www.evidence.nhs.uk/search?from=01%2F11%2F2019&to=30%2F05%2F2020&ps=100&q=%28corona*+or+COVID*+or+ncov*+or+%22n+cov%22+or+sars+or+mers+or+%22Severe+Acute+Respiratory+Syndrome%22+OR+%22Middle+East+Respiratory+Syndrome%22%29+AND+%28heart*+or+cardiac*+or+cardiovascula*+or+myocardi*+or+troponin+or+creatine%29) = 563 results from Nov 2019-

 Cochrane Library at www.cochranelibrary.com:

ID    Search    Hits  
#1    (coronavir\* OR (Corona NEXT vir\*) OR ncov\* OR (n NEXT cov\*) OR COVID\*):ti,ab,kw (Word variations have been searched)    920  
#2    ("2019-nCoV" OR (SARS NEXT CoV\*) OR (MERS NEXT CoV\*) OR "Severe Acute Respiratory Syndrome" OR "Middle East Respiratory Syndrome"):ti,ab,kw (Word variations have been searched)    390  
#3    MeSH descriptor: [Coronavirus] explode all trees    17  
#4    MeSH descriptor: [Coronavirus Infections] explode all trees    178  
#5    #1 or #2 or #3 or #4    980  
#6    ((heart\* OR cardiac OR cardiovascula\*) NEAR/3 (injur\* OR damag\* OR fail\* OR infarct\* OR attack\*)):ti,ab,kw (Word variations have been searched)    43480  
#7    MeSH descriptor: [Heart Diseases] explode all trees    51544  
#8    (troponin OR myocardi\* OR arrhythmi\*):ti,ab,kw (Word variations have been searched)    53932  
#9    MeSH descriptor: [Troponin] explode all trees    1052  
#10    ("CK" OR CKMB OR "CK MB" OR "creatine kinase"):ti,ab,kw (Word variations have been searched)    5589  
#11    MeSH descriptor: [Creatine Kinase] explode all trees    1546  
#12    (nstemi OR stemi OR ACS OR "acute coronary syndra" or "acute coronary syndrome"):ti,ab,kw (Word variations have been searched)    14269  
#13    #6 or #7 or #8 or #9 or #10 or #11 or #12    105645  
#14    #5 and #13 with Cochrane Library publication date from Nov 2019 to present    38

Primary Research databases searched using NICE's Healthcare Database Advanced Search (HDAS) tool:

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | Medline | (coronavir\* OR "Corona vir\*" OR ncov\* OR "n-cov\*" OR COVID\*).ti,ab | 27108 |
| 2 | Medline | ("2019-nCoV" OR "SARS-CoV\*" OR "MERS-CoV\*" OR "Severe Acute Respiratory Syndrome" OR "Middle East Respiratory Syndrome").ti,ab | 11343 |
| 3 | Medline | exp CORONAVIRUS/ OR exp "CORONAVIRUS INFECTIONS"/ | 18568 |
| 4 | Medline | (1 OR 2 OR 3) | 36333 |
| 5 | Medline | ((heart\* OR cardiac OR cardiovascula\*) ADJ3 (injur\* OR damag\* OR fail\* OR infarct\* OR attack\*)).ti,ab | 228503 |
| 6 | Medline | (troponin OR myocardi\* OR arrhythmi\*).ti,ab | 455479 |
| 7 | Medline | exp "HEART DISEASES"/ | 1116229 |
| 8 | Medline | exp TROPONIN/ | 17247 |
| 9 | Medline | ("CK" OR CKMB OR "CK MB" OR "creatine kinase").ti,ab | 37325 |
| 10 | Medline | exp "CREATINE KINASE"/ | 26134 |
| 11 | Medline | (nstemi OR stemi OR ACS OR "acute coronary syndr\*").ti,ab | 49540 |
| 12 | Medline | exp "MYOCARDIAL ISCHEMIA"/ | 426185 |
| 13 | Medline | (5 OR 6 OR 7 OR 8 OR 9 OR 10 OR 11 OR 12) | 1364086 |
| 14 | Medline | (4 AND 13) | 674 |
| 15 | Medline | (4 AND 13) [DT FROM 2019] | 464 |
| 16 | CINAHL | (coronavir\* OR "Corona vir\*" OR ncov\* OR "n-cov\*" OR COVID\*).ti,ab | 4679 |
| 17 | CINAHL | ("2019-nCoV" OR "SARS-CoV\*" OR "MERS-CoV\*" OR "Severe Acute Respiratory Syndrome" OR "Middle East Respiratory Syndrome").ti,ab | 2019 |
| 18 | CINAHL | exp CORONAVIRUS/ OR exp "CORONAVIRUS INFECTIONS"/ | 3778 |
| 19 | CINAHL | (16 OR 17 OR 18) | 7264 |
| 20 | CINAHL | ((heart\* OR cardiac OR cardiovascula\*) ADJ3 (injur\* OR damag\* OR fail\* OR infarct\* OR attack\*)).ti,ab | 68285 |
| 21 | CINAHL | (troponin OR myocardi\* OR arrhythmi\*).ti,ab | 91898 |
| 22 | CINAHL | exp "HEART DISEASES"/ | 285470 |
| 23 | CINAHL | exp TROPONIN/ | 5105 |
| 24 | CINAHL | ("CK" OR CKMB OR "CK MB" OR "creatine kinase").ti,ab | 4872 |
| 25 | CINAHL | exp "CREATINE KINASE"/ | 4089 |
| 26 | CINAHL | (nstemi OR stemi OR ACS OR "acute coronary syndr\*").ti,ab | 17672 |
| 27 | CINAHL | exp "MYOCARDIAL ISCHEMIA"/ | 104434 |
| 28 | CINAHL | (20 OR 21 OR 22 OR 23 OR 24 OR 25 OR 26 OR 27) | 341577 |
| 29 | CINAHL | (19 AND 28) | 87 |
| 30 | CINAHL | (19 AND 28) [DT FROM 2019] | 42 |
| 31 | EMBASE | (coronavir\* OR "Corona vir\*" OR ncov\* OR "n-cov\*" OR COVID\*).ti,ab | 29718 |
| 32 | EMBASE | ("2019-nCoV" OR "SARS-CoV\*" OR "MERS-CoV\*" OR "Severe Acute Respiratory Syndrome" OR "Middle East Respiratory Syndrome").ti,ab | 11999 |
| 33 | EMBASE | exp \*CORONAVIRINAE/ | 8234 |
| 34 | EMBASE | (31 OR 32 OR 33) | 35138 |
| 35 | EMBASE | ((heart\* OR cardiac OR cardiovascula\*) ADJ3 (injur\* OR damag\* OR fail\* OR infarct\* OR attack\*)).ti,ab | 351348 |
| 36 | EMBASE | (troponin OR myocardi\* OR arrhythmi\*).ti,ab | 640984 |
| 37 | EMBASE | exp \*"HEART DISEASE"/ | 1020288 |
| 38 | EMBASE | exp \*TROPONIN/ | 15363 |
| 39 | EMBASE | ("CK" OR CKMB OR "CK MB" OR "creatine kinase").ti,ab | 53038 |
| 40 | EMBASE | exp \*"CREATINE KINASE"/ | 9936 |
| 41 | EMBASE | (nstemi OR stemi OR ACS OR "acute coronary syndr\*").ti,ab | 95096 |
| 42 | EMBASE | (35 OR 36 OR 37 OR 38 OR 39 OR 40 OR 41) | 1460308 |
| 43 | EMBASE | (34 AND 42) | 792 |
| 44 | EMBASE | (34 AND 42) [DT FROM 2019] | 498 |
| 45 | EMCARE | (coronavir\* OR "Corona vir\*" OR ncov\* OR "n-cov\*" OR COVID\*).ti,ab | 3433 |
| 46 | EMCARE | ("2019-nCoV" OR "SARS-CoV\*" OR "MERS-CoV\*" OR "Severe Acute Respiratory Syndrome" OR "Middle East Respiratory Syndrome").ti,ab | 2160 |
| 47 | EMCARE | exp \*CORONAVIRINAE/ | 914 |
| 48 | EMCARE | (45 OR 46 OR 47) | 4657 |
| 49 | EMCARE | ((heart\* OR cardiac OR cardiovascula\*) ADJ3 (injur\* OR damag\* OR fail\* OR infarct\* OR attack\*)).ti,ab | 70492 |
| 50 | EMCARE | (troponin OR myocardi\* OR arrhythmi\*).ti,ab | 116727 |
| 51 | EMCARE | exp \*"HEART DISEASE"/ | 201385 |
| 52 | EMCARE | exp \*TROPONIN/ | 3163 |
| 53 | EMCARE | ("CK" OR CKMB OR "CK MB" OR "creatine kinase").ti,ab | 6956 |
| 54 | EMCARE | exp \*"CREATINE KINASE"/ | 936 |
| 55 | EMCARE | (nstemi OR stemi OR ACS OR "acute coronary syndr\*").ti,ab | 18365 |
| 56 | EMCARE | (49 OR 50 OR 51 OR 52 OR 53 OR 54 OR 55) | 280180 |
| 57 | EMCARE | (48 AND 56) | 75 |
| 58 | EMCARE | (48 AND 56) [DT FROM 2019] | 43 |
| 59 | BNI | (coronavir\* OR "Corona vir\*" OR ncov\* OR "n-cov\*" OR COVID\*).ti,ab | 842 |
| 60 | BNI | ("2019-nCoV" OR "SARS-CoV\*" OR "MERS-CoV\*" OR "Severe Acute Respiratory Syndrome" OR "Middle East Respiratory Syndrome").ti,ab | 537 |
| 61 | BNI | "COVID-19"/ | 682 |
| 62 | BNI | (59 OR 60 OR 61) | 1291 |
| 63 | BNI | ((heart\* OR cardiac OR cardiovascula\*) ADJ3 (injur\* OR damag\* OR fail\* OR infarct\* OR attack\*)).ti,ab | 8256 |
| 64 | BNI | "CARDIOVASCULAR DISEASE"/ | 19763 |
| 65 | BNI | (troponin OR myocardi\* OR arrhythmi\*).ti,ab | 7137 |
| 66 | BNI | ("CK" OR CKMB OR "CK MB" OR "creatine kinase").ti,ab | 184 |
| 67 | BNI | (nstemi OR stemi OR ACS OR "acute coronary syndr\*").ti,ab | 1406 |
| 68 | BNI | (63 OR 64 OR 65 OR 66 OR 67) | 29050 |
| 69 | BNI | (62 AND 68) | 23 |
| 70 | BNI | (62 AND 68) [DT FROM 2019] | 16 |

[www.clinicaltrials.gov](http://www.clinicaltrials.gov):

"105 Studies found for: **cardiac or heart | Covid-19**

Also searched for **Cardiac**, **Heart**, **SARS-CoV-2** and more. [See Search Details"](https://clinicaltrials.gov/ct2/results/details?term=cardiac+or+heart&cond=Covid-19&sort=nwst):

<https://clinicaltrials.gov/ct2/results?term=cardiac+or+heart&cond=Covid-19&sort=nwst>

Google scholar:

[allintitle: corona heart = 2 results](https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&as_ylo=2019&q=allintitle%3A+corona+heart&btnG=)

[allintitle: coronavirus heart = 44 results](https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&as_ylo=2019&as_yhi=2020&q=allintitle%3A+coronavirus+heart&btnG=)

[allintitle: covid heart = 131 results](https://scholar.google.com/scholar?q=allintitle%3A+covid+heart&hl=en&as_sdt=0%2C5&as_ylo=2019&as_yhi=2020)

Searches limited to 2019/2020.

MedRxiv at <https://www.medrxiv.org/>:

["115 Results for title "covid\* corona\* ncov\* mers sars" (match any words) and abstract or title "cardiac injury" (match phrase words)"](https://www.medrxiv.org/search/title%3Acovid%252A%2Bcorona%252A%2Bncov%252A%2Bmers%2Bsars%20title_flags%3Amatch-any%20abstract_title%3Acardiac%2Binjury%20abstract_title_flags%3Amatch-phrase%20jcode%3Amedrxiv%20numresults%3A10%20sort%3Arelevance-rank%20format_result%3Astandard)

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You can then access the papers by simply entering your username and password. If you do not have easy access to the internet to gain access, please let us know and we can download the papers for you.

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**Portable Document Format / pdf / Adobe**  
Click on the Search button (illustrated with binoculars). This will open up a search window. Type in the term you need to find and links to all of the references to that term within the document will be displayed in the window. You can jump to each reference by clicking it.

**Word documents**  
Select Edit from the menu, the Find and type in your term in the search box which is presented. The search function will locate the first use of the term in the document. By pressing 'next' you will jump to further references.

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