Supplementary file 1

An electronic search was performed in the following databases and scientific search engines: Web of Science, PubMed, Embase, Scopus, and Google Scholar. The whole search process was conducted in December 2020. The MeSH terms related to COVID-19 disease and Acute Kidney Injury had been manually extracted from similar articles and US National Library of Medicine MeSH terms search engine [1] and evaluated and selected purposefully. Accordingly, either "Iran" or a list of the names of prominent Iranian cities and provinces plus Iran was used in the search string to limit the results to data from Iran. Geographical search terms included the names of all provinces of Iran and their capitals, plus fairly populated cities with capable in-patient facilities to handle COVID-19 crisis, and this was double-thought by AS and HS. Considering the fact that COVID-19 was detected in Iran for the first time in late February 2020, no article could possibly be eligible to be included in this study from 2019 or earlier. As a result, although setting time limitation was varied, the whole year of 2020 and further was always included in the search. The exact search query and limitations applied to each of the search attempts were as follows:

Web of Science Core Collection was searched with the following string:

(ALL=(("COVID-19" OR "SARS-COV-2" OR "2019-nCoV" OR "coronavirus") AND ("acute kidney injury" OR "acute renal injury" OR "acute kidney failure" OR "acute renal failure" OR "Oliguria" OR "elevated creatinine" OR "elevated serum creatinine" OR "elevated BUN" OR "elevated serum BUN" OR "Reduced GFR" OR "Reduced glomerular filtration rate")) AND (CU=(Iran) OR CI=("Alborz" OR "Karaj" OR "Ardabil" OR "East Azerbaijan" OR "Tabriz" OR "West Azerbaijan" OR "Urmia" OR "Bushehr" OR "Chaharmahal" OR "Shahrekord" OR "Fars" OR "Shiraz" OR "Gilan" OR "Rasht" OR "Golestan" OR "Gorgan" OR "Hamadan" OR "Hamedan" OR "Hormozgan" OR "Bandar abbas" OR "Ilam" OR "Isfahan" OR "Kerman" OR "Kermanshah" OR "Khorasan" OR "Bojnourd" OR "Bojnurd" OR "Mashhad" OR "Birjand" OR "Khoozestan" OR "Khuzestan" OR "Ahvaz" OR "Kohgiluyeh" OR "Yasuj" OR "Kurdistan" OR "Kordestan" OR "Sanandaj" OR "Lorestan" OR "Khorramabad" OR "Markazi" OR "Arak" OR "Mazandaran" OR "Sari" OR "Qazvin" OR "Ghazvin" OR "Qom" OR "Semnan" OR "Sistan" OR "Zahedan" OR "Tehran" OR "Yazd" OR "Zanjan" OR "Kashan" OR "Neyshabur" OR "Dezful" OR "Chabahar" OR "Jahrom" OR "Kazeroon" OR "Marvdasht" OR "Saqqez" OR "Jiroft" OR "Rafsanjan" OR "Sirjan" OR "Gonbad" OR "Anzali" OR "Lahijan" OR "Borujerd" OR "Amol" OR "Babol" OR "Minab" OR "Malayer"))) *AND* **DOCUMENT TYPES:** (Article)

As the string shows, there was no limitation based on language, time, or type of the article. Combined MeSH terms on COVID-19 and Acute Kidney Injury were used to search all fields, and the results became limited to articles with either a reference to Iran as Country, or to

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[1] https://meshb.nlm.nih.gov/search

prominent Iranian cities and provinces' names as City in accordance with Field Tags presented by Web of Science search engine.

PubMed was searched with the following string:

("COVID-19" OR "SARS-COV-2" OR "2019-nCoV" OR "coronavirus") AND ("acute kidney injury" OR "acute renal injury" OR "acute kidney failure" OR "acute renal failure" OR "Oliguria" OR "elevated creatinine" OR "elevated serum creatinine" OR "elevated BUN" OR "elevated serum BUN" OR "Reduced GFR" OR "Reduced glomerular filtration rate") AND ("Iran" OR "Alborz" OR "Karaj" OR "Ardabil" OR "East Azerbaijan" OR "Tabriz" OR "West Azerbaijan" OR "Urmia" OR "Bushehr" OR "Chaharmahal" OR "Shahrekord" OR "Fars" OR "Shiraz" OR "Gilan" OR "Rasht" OR "Golestan" OR "Gorgan" OR "Hamadan" OR "Hamedan" OR "Hormozgan" OR "Bandar abbas" OR "Ilam" OR "Isfahan" OR "Kerman" OR "Kermanshah" OR "Khorasan" OR "Bojnourd" OR "Bojnurd" OR "Mashhad" OR "Birjand" OR "Khoozestan" OR "Khuzestan" OR "Ahvaz" OR "Kohgiluyeh" OR "Yasuj" OR "Kurdistan" OR "Kordestan" OR "Sanandaj" OR "Lorestan" OR "Khorramabad" OR "Markazi" OR "Arak" OR "Mazandaran" OR "Sari" OR "Qazvin" OR "Ghazvin" OR "Qom" OR "Semnan" OR "Sistan" OR "Zahedan" OR "Tehran" OR "Yazd" OR "Zanjan" OR "Kashan" OR "Neyshabur" OR "Dezful" OR "Chabahar" OR "Jahrom" OR "Kazeroon" OR "Marvdasht" OR "Saqqez" OR "Jiroft" OR "Rafsanjan" OR "Sirjan" OR "Gonbad" OR "Anzali" OR "Lahijan" OR "Borujerd" OR "Amol" OR "Babol" OR "Minab" OR "Malayer")

All Fields were investigated with the above query, with no limitation in language, time, or type of article.

Scopus was searched with the following string:

TITLE-ABS-KEY (("COVID-19" OR "SARS-COV-2" OR "2019-nCoV" OR "coronavirus") AND ("acute kidney injury" OR "acute renal injury" OR "acute kidney failure" OR "acute renal failure" OR "Oliguria" OR "elevated creatinine" OR "elevated serum creatinine" OR "elevated BUN" OR "elevated serum BUN" OR "Reduced GFR" OR "Reduced glomerular filtration rate") AND ("Iran" OR "Alborz" OR "Karaj" OR "Ardabil" OR "East Azerbaijan" OR "Tabriz" OR "West Azerbaijan" OR "Urmia" OR "Bushehr" OR "Chaharmahal" OR "Shahrekord" OR "Fars" OR "Shiraz" OR "Gilan" OR "Rasht" OR "Golestan" OR "Gorgan" OR "Hamadan" OR "Hamedan" OR "Hormozgan" OR "Bandar abbas" OR "Ilam" OR "Isfahan" OR "Kerman" OR "Kermanshah" OR "Khorasan" OR "Bojnourd" OR "Bojnurd" OR "Mashhad" OR "Birjand" OR "Khoozestan" OR "Khuzestan" OR "Ahvaz" OR "Kohgiluyeh" OR "Yasuj" OR "Kurdistan" OR "Kordestan" OR "Sanandaj" OR "Lorestan" OR "Khorramabad" OR "Markazi" OR "Arak" OR "Mazandaran" OR "Sari" OR "Qazvin" OR "Ghazvin" OR "Qom" OR "Semnan" OR "Sistan" OR "Zahedan" OR "Tehran" OR "Yazd" OR "Zanjan" OR "Kashan" OR "Neyshabur" OR "Dezful" OR "Chabahar" OR "Jahrom" OR "Kazeroon" OR "Marvdasht" OR "Saqqez" OR "Jiroft" OR "Rafsanjan" OR "Sirjan" OR "Gonbad" OR "Anzali" OR "Lahijan" OR "Borujerd" OR "Amol" OR "Babol" OR "Minab" OR "Malayer"))

The search was conducted in Article title, Abstract, and Keywords fields. No limitation in language, time, or type of article was introduced.

Embase was searched with the following string:

('covid-19'/exp OR 'covid-19' OR 'sars-cov-2'/exp OR 'sars-cov-2' OR '2019-ncov'/exp OR '2019-ncov' OR 'coronavirus'/exp OR 'coronavirus') AND ('acute kidney injury'/exp OR 'acute kidney injury' OR 'acute renal injury'/exp OR 'acute renal injury' OR 'acute kidney failure'/exp OR 'acute kidney failure' OR 'acute renal failure'/exp OR 'acute renal failure' OR 'oliguria'/exp OR 'oliguria' OR 'elevated creatinine' OR 'elevated serum creatinine' OR 'elevated bun' OR 'elevated serum bun' OR 'reduced gfr' OR 'reduced glomerular filtration rate') AND ('iran'/exp OR 'iran' OR 'alborz' OR 'karaj' OR 'ardabil' OR 'east azerbaijan' OR 'tabriz' OR 'west azerbaijan' OR 'urmia' OR 'bushehr' OR 'chaharmahal' OR 'shahrekord' OR 'fars' OR 'shiraz' OR 'gilan' OR 'rasht' OR 'golestan' OR 'gorgan' OR 'hamadan' OR 'hamedan' OR 'hormozgan' OR 'bandar abbas' OR 'ilam' OR 'isfahan' OR 'kerman' OR 'kermanshah' OR 'khorasan' OR 'bojnourd' OR 'bojnurd' OR 'mashhad' OR 'birjand' OR 'khoozestan' OR 'khuzestan' OR 'ahvaz' OR 'kohgiluyeh' OR 'yasuj' OR 'kurdistan' OR 'kordestan' OR 'sanandaj' OR 'lorestan' OR 'khorramabad' OR 'markazi' OR 'arak' OR 'mazandaran' OR 'sari' OR 'qazvin' OR 'ghazvin' OR 'qom' OR 'semnan' OR 'sistan' OR 'zahedan' OR 'tehran' OR 'yazd' OR 'zanjan' OR 'kashan' OR 'neyshabur' OR 'dezful' OR 'chabahar' OR 'jahrom' OR 'kazeroon' OR 'marvdasht' OR 'saqqez' OR 'jiroft' OR 'rafsanjan' OR 'sirjan' OR 'gonbad' OR 'anzali' OR 'lahijan' OR 'borujerd' OR 'amol' OR 'babol' OR 'minab' OR 'malayer')

With no limitation in language, time, or type of the article, All Fields were searched with the above query.

Google Scholar was searched with the following string:

("COVID-19" OR "SARS-COV-2" OR "2019-nCoV" OR "coronavirus") AND ("acute kidney injury" OR "acute renal injury" OR "acute kidney failure" OR "acute renal failure") AND "Iran"

Due to technical limitations at Google Scholar, the string was reduced to above. Although cities and provinces are not mentioned, the certainty of inclusion of studies conducted in Iran was met considering the fact that this search engine scrutinizes all parameters of an article, including affiliations. A time limitation of "articles since 2020" was set. No limitation in language or type of article was implemented.