

COVID-19 Research provides free access to material on the COVID-19 outbreak published since November 2019 selected from premium biomedical databases on Dialog and content from the ProQuest Coronavirus Research Database. COVID-19 Research includes articles on clinical observation, treatments, drug and vaccine development, nursing, management strategies and much more, and will continue to grow as more is learned and published about the pandemic.

With permission from Clarivate and Elsevier, articles from BIOSIS Previews, Embase, EMCare, MEDLINE and ProQuest are brought together into one resource on this rapidly changing subject. Each component database of COVID-19 may be searched with its own unique fields, or with standardized Dialog fields such as SU (for all subject indexing), SUBST (substances), TI (title) and AB (abstract). Many articles derived from the ProQuest Coronavirus Research Database are available in full text, either directly from ProQuest or via links to publisher sites. Search and display of all material is free of charge.

COVID-19 Research includes, but is not limited to, the following subjects:

Drug and vaccine research	Virology	Intensive care nursing
Modes of infection	Immunology	Social distancing and isolation
Epidemiology	Treatment	Regulatory actions
Diagnostic & clinical techniques	Gerontology	Government responses
	Management strategies	Medical staff mental health

Use COVID-19 Research to answer such questions as:

- How is blood filtering being used to treat COVID-19 patients?
- What clinical trials on lopinavir are currently in progress?
- Are there any systematic reviews of procalcitonin in patients with COVID-19?
- Could immunotherapy be an effective treatment against COVID-19?
- What collaborations are underway to develop a vaccine for COVID-19?
- What is the evidence for the effectiveness of face masks?

Date coverage November 2019 - present

Update frequency Daily

Geographic coverage International

Document types Journal articles, pre-prints

Sources Specific coronavirus and COVID-19 articles are selected from BIOSIS Previews, Embase, EMCare and MEDLINE. The ProQuest Coronavirus Research Database, included in full, aggregates authoritative content from members of the International Association of STM Publishers – including Springer Nature, Taylor & Francis and the BMJ. Journal articles, pre-prints and dissertations provide comprehensive coverage of COVID-19 and other past coronavirus outbreaks, such as MERS and SARS, for context of the current pandemic. We are grateful to Clarivate, Elsevier and the National Library of Medicine for their permission to create this database.

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COVID-19 Research

TI

Could Intravenous Immunoglobulin Collected from Recovered Coronavirus Patients Protect against COVID-19 and Strengthen the Immune System of New Patients?

AU, PUB

Jawhara, Samir; NLM. **International journal of molecular sciences** 21.7 (Mar 25, 2020)

Highlighting: Off | Single | Multi

AB

Abstract (summary) [Translate](#)

The emergence of the novel coronavirus in Wuhan, China, which causes severe respiratory tract infections in humans (COVID-19), has become a global health concern. Most coronaviruses infect animals but can evolve into strains that cross the species barrier and infect humans. At the present, there is no single specific vaccine or efficient antiviral therapy against COVID-19. Recently, we showed that intravenous immunoglobulin (IVIg) treatment reduces inflammation of intestinal epithelial cells and eliminates overgrowth of the opportunistic human fungal pathogen *Candida albicans* in the murine gut. Immunotherapy with IVIg could be employed to neutralize COVID-19. However, the efficacy of IVIg would be better if the immune IgG antibodies were collected from patients who have recovered from COVID-19 in the same city, or the surrounding area, in order to increase the chance of neutralizing the virus. These immune IgG antibodies will be specific against COVID-19 by boosting the immune response in newly infected patients. Different procedures may be used to remove or inactivate any possible pathogens from the plasma of recovered coronavirus patient derived immune IgG, including solvent/detergent, 60 °C heat-treatment, and nanofiltration. Overall, immunotherapy with immune IgG antibodies combined with antiviral drugs may be an alternative treatment against COVID-19 until stronger options such as vaccines are available.

Indexing (details) [Cite](#)

SU
MESH,
MJMESH

MeSH

- Animals;
- Coronavirus Infections -- immunology;
- Humans;
- Immunoglobulins, Intravenous -- isolation & purification;
- Mice;
- Pandemics;
- Periodicals as Topic;
- Pneumonia, Viral -- immunology;
- Betacoronavirus -- immunology (major);
- Coronavirus Infections -- therapy (major);
- Immune System (major);
- Immunoglobulins, Intravenous -- therapeutic use (major);
- Pneumonia, Viral -- therapy (major)

SUBST

Journal classification [Index Medicus](#)

Substance

Substance: [Immunoglobulins, Intravenous](#)

CAS: 0

SU, IF

Identifier (keyword) [IVIg, coronavirus, immunotherapy, nCoV-2019, virus; COVID-19, severe acute respiratory syndrome coronavirus 2](#)

TI

Title Could Intravenous Immunoglobulin Collected from Recovered Coronavirus Patients Protect against COVID-19 and Strengthen the Immune System of New Patients?

AU

Author [Jawhara, Samir](#)¹

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LA	Language	English
	Language of abstract	English
DTYPE	Document type	Journal Article
PUB	Publication title	International journal of molecular sciences
VO	Volume	21
ISS	Issue	7
ISSN	ISSN	1422-0067 (ISSNLinking)
	Electronic ISSN	1422-0067
PTYPE	Publication type	Journal
	Journal code	101092791
PBLOC	Publisher location	SWITZERLAND
NT	Notes	The authors declare no conflict of interest.; Electronic; Internet
DOI	DOI	http://dx.doi.org/10.3390/ijms21072272
PII	PII	E2272
PD, YR	Publication date	Mar 25, 2020
	Date created	2020-03-29
DCRE	Date completed	2020-04-07
DCOM	Date revised	2020-04-08
DSTAT	Document status	Revised
DSTAT	Medline document status	MEDLINE
	Electronic publication date	2020-03-25
	Source attribution	Medline, © Publisher specific
AN	Accession number	32218340
	Document URL	https://dialog.aa1.proquest.com/professional/docview/4145517157?accountid=176266
FAV	First available	2020-03-28
	Updates	2020-03-28 2020-03-30 2020-04-08
UD	Database	COVID-19 Research (2019 - current)

Search Fields

Field Name	Field Code	Example	Description and Notes
Abstract	AB	ab("antiviral therapy")	Use adjacency and/or Boolean operators to narrow or broaden your search and double quotes to search for a precise phrase. Not all articles have an abstract.
Abstract present	ABANY	immunotherapy AND abany(yes)	Add: <i>AND ABANY(YES)</i> to a query to limit retrieval to records with abstracts. Use double quotes to search for a precise phrase.
Accession number	AN	an(32218340)	A unique document identification number assigned by the information provider. It is the same accession number as in the original database.
All fields	ALL	all(immunotherapy or "immune therapy")	Searches all fields. Use proximity and/or Boolean operators to narrow search results.
All fields + text	--	"intravenous immunoglobulins"	Same as ALL field code - searches all fields.
Author ¹	AU	au(jawhara, s*)	Names are captured as they appear in the source, so you will sometimes find authors with surname and initial(s), sometimes with surname and full first name(s).
First author	FAU	fau(giovanetti)	First name listed in Author field. It is included in the Author browse, but its position cannot be specified in the Author browse.
Author affiliation	AF	af(inserm AND lille) af(france)	Includes as much data as is available in the original document, such as department, organization, address, city, state, country, author email, etc.
BIOSIS Previews subject	SU	dis(respiratory system disease) su(respiratory system disease)	Component database BIOSIS Previews has many specific subject fields including Disease (DIS), Gene name (GNA), Concept (CC), Method & equipment (MQ), Part & structure (POR), Organism (ORM), Super taxa (STX), Taxa notes (TXN). All are searchable and displayed in COVID-19 but will only return documents from BIOSIS. All are also searchable with SU, so use this to find documents on any subject in BIOSIS as well as the other component databases. For more information on BIOSIS indexing, see the BIOSIS Previews ProSheet.
CAS® Registry Number	RN SUBST	rn(70-54-2) subst(70-54-2)	CAS Registry Numbers, when available in the source document, are searchable using RN and the Substance field code SUBST.

¹ A Lookup/Browse feature is available for this field in the Advanced Search dropdown or in Browse Fields.

Field Name	Field Code	Example	Description and Notes
Classification	CC SU	cc(virology) su(virology)	Some of the component databases, notably BIOSIS Previews and Embase, have classification systems, but not all have these. The Subject field code, SU, covers this and more, so for a more wide-ranging search, use SU instead of CC for a broad subject search.
Country of publisher			See Publisher location.
Date created	DCRE	dcre(2020-02-15) dcre(>20200101)	This represents the date the publisher created the record and added it to their system. It predates its delivery to Dialog and has no relation to the Dialog update date.
Document status	DSTAT	dstat(new) dstat(revised) dstat("in process" or "in press")	Document status is present in two of the component databases, Embase and MEDLINE. You will limit your results to these two databases if you include DSTAT in your search.
Document title			See Title
Document type	DTYPE	dtype(article)	Most document types are articles or working papers (e.g. pre-prints from BioRxiv), but a small number of other types are also available, notably dissertations.
DOI	DOI	doi("10.1186/s12967-020-02324-w")	Digital Object Identifier. Search the portion of the number that follows http://dx.doi.org
Email address	EA	ea("tluolp@jnu")	The email address of the correspondence author, when available
Emtree subject	EMB MJEMB SU	emb(hydroxychloroquine) emb(hydroxychloroquine -- dt) emb(hydroxychloroquine -- dt -- coronavirus infection) su(hydroxychloroquine)	Emtree subjects are searchable but not displayed in COVID-19 Research. Documents returned from a search using EMB or MJEMB will come from the component databases Embase or EMCare only. Use SU to include Emtree subjects as well as subjects from all the other component databases. See the Embase ProSheet for more details on searching Emtree.
First available	FAV	fav(20200414)	Indicates the first time a document was loaded on Dialog. It will not change regardless of how many times the record is subsequently reloaded, as long as the accession number remains the same.
ISSN	ISSN	issn(20565968) issn(2056-5968)	
Issue	ISS	iss(10)	
Journal title	JN	jn("cell discovery")	Full journal name (periodical title)

Field Name	Field Code	Example	Description and Notes
Identifier (Keyword)	IF	if("type 2 diabetes")	These are usually author keywords and are not available in every document.
Language	LA	la(english)	The language in which the document was originally published.
MeSH subject	MESH MJMES H SU	mesh(hydroxychloroquine) mesh(hydroxychloroquine -- tu) su(hydroxychloroquine)	MeSH subjects are searchable and displayed in COVID-19 Research. Documents returned from a search using MESH or MJMES will come from the origin database MEDLINE only. Use SU to include MeSH subjects as well as subjects from all the other component databases. See the MEDLINE ProSheet for more details on searching MeSH.
Pagination	PG	pg(187)	
Publication date	PD	pd(20200415) pd(>20200315) pd(20191201-20200131)	This is the publication date of the article. Date range searching is supported.
Publication title ¹	PUB	pub("journal of medical virology")	The publication title.
Publication year	YR	yr(2020) yr(2019-2020)	Date range searching is supported.
Publisher	PB	pb(blackwell)	The publisher of the journal.
Publisher location	PBLOC	pbloc(united kingdom)	This is the country of the journal's publisher.
Source information	SRC	src("journal of medical virology" and 2020)	
Subject ¹	SU SUBST	su(face mask) su(immunotherapy) su(virology) su(epidemiology) su,subst(hydroxychloroquine) su,subst(lopnavir)	SU searches the subject fields of all the component databases, including EMB, MESH, DIS, ORM, etc and is the safest field to use for retrieval from all the components. Note that drug names are not always included in SU, so use SUBST as well as SU for drug searches.
Subject (major)	MJSUB	mjsub(virology)	Major subjects are not available in all the component databases, so will limit retrieval. It is safer to use SU for retrieving subjects from all the components.
Substance	SUBST SU	su,subst(lopnavir) su,subst(remdesivir) subst(1809249-37-3) subst("ec 3.4.22")	Drugs and chemicals appear in the Substance field and not the Subject field in component database BIOSIS Previews. In other component databases drugs and chemicals may appear in either Substance or Subject or both. The safest way to search for drug names in COVID-19 Research is to use both SU and SUBST. CAS Registry numbers and Enzyme Commission numbers, when available, can be searched with SUBST or RN.

Field Name	Field Code	Example	Description and Notes
Title	TI	ti(lopinavir and ritonavir)	This is the title of the article. TI searches the Title, Alternate Title and Subtitle, when available.
Title only	TIO	tio(lopinavir and ritonavir)	TIO searches the Title only, not Subtitle or Alternate title.
Alternate title	OTI	oti(risques ophtalmiques)	The alternate title is usually the original language title of a non-English article.
Updates	UD	ud(20200415)	The date(s) the record was loaded as a result of an update provided by the supplier. The update in COVID-19 Research is the same as the update date in the component database.
Volume of publication	VO	vo(18)	

Search Tools

Field codes are used to search document fields, as shown in the sample document. Field codes may be used in searches entered on the **Basic Search**, **Advanced Search**, and **Command Line** search pages. **Limit options**, **Look up lists**, and **“Narrow results by” filters** tools are available for searching. Some data can be searched using more than one tool.

Limit Options

Limit options are quick and easy ways of searching certain common concepts. A check box is available for:

Full text

Short lists of choices are available for:

Document type, Language

Date limiters are available enabling you to select single dates or ranges for date of **publication** and **updated**.

Look up Lists

You can browse the contents of certain fields by using Look up lists. These are particularly useful to validate spellings or the presence of specific data. Terms found in the course of browsing may be selected and automatically added to the Advanced Search form. Look up lists are available in the fields drop-down for:

Authors, Publications, Subjects

“Narrow Results By” Filters

When results of a search are presented, the results display is accompanied by a list of “Narrow results by” options shown on the right-hand panel. Click on any of these options and you will see a ranked list showing the most frequently occurring terms in your results. Click on a term to apply it to (“narrow”) your search results. “Narrow results by” filters in COVID-19 Research include

Full text, Document type, Author, Language, Publication title, Subject, Publication date

Look Up Citation

If you need to trace a particular bibliographic reference, use the Look Up Citation feature. Find a link to this toward the top left-hand corner of the Advanced Search page, or in the drop list under Advanced on any search form; click this and you will go to a form where you can enter any known details of the citation, including document title, author, journal name, volume, issue, page, publication date, ISSN.

Document formats

Document Format	Fields	Online	Export / Download
Brief view	Title, Author(s), Publication title, Pagination, Publication date	✓	
Detailed view	Same as Brief view	✓	
KWIC (Keyword in Context)	Same as Brief view	✓	✓
Preview	Title, Author, Publication title, Pagination, Publication date, Abstract, Subject terms ²	✓	
Brief citation	Complete record minus Abstract and Indexing	✓	✓
Citation / Abstract	Complete record (minus Indexing in documents derived from Embase and EMCare)	✓ ³	✓
Custom	Choose the fields you want		✓ ⁴

² Subject terms are not included in documents sourced from Embase

³ In Online-view mode, Dialog gives access to two Document Formats only: *Brief citation*, and the 'most complete' format available. Depending on the amount of data available for a record, the most complete format may be any one of *Citation*, *Citation/Abstract*, *Full text*, or *Full text – PDF*.

⁴ Custom export/download format is available in the following mediums only: HTML, PDF, RefWorks, RTF, Text only, XLS.

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