

CovidSurg publications**Summary of published articles:**

Article title	Article type	Journal	2021 impact factor†	Altmetric score†	Citations
Key research outputs					
Mortality and pulmonary complications in patients undergoing surgery with perioperative SARS-CoV-2 infection: an international cohort study	Full research paper	Lancet	79.3	2,926*	1,078
Effect of COVID-19 pandemic lockdowns on planned cancer surgery for 15 tumour types in 61 countries: an international, prospective, cohort study	Full research paper	Lancet Oncology	41.3	1,710	4
Resilience of elective cancer surgery systems during COVID-19 lockdowns: an international, multicentre, prospective cohort study	Abstract relating to the published paper	Lancet	-	-	-
Elective Cancer Surgery in COVID-19-Free Surgical Pathways During the SARS-CoV-2 Pandemic: An International, Multicenter, Comparative Cohort Study	Full research paper	Journal of Clinical Oncology	44.5	514	126
Outcomes and their State-Level Variation in Patients Undergoing Surgery with Perioperative SARS-CoV-2 Infection in the USA: A Prospective Multicenter Study	Full research paper	Annals of Surgery	13.0	0	0
Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study	Full research paper	Anaesthesia	7.0	2,734**	129
Effects of preoperative isolation on postoperative pulmonary complications after elective surgery	Full research paper	Anaesthesia	7.0	307	5
SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study	Full research paper	Anaesthesia	7.0	374	4
Machine learning risk prediction of mortality for patients undergoing surgery with perioperative SARS-CoV-2: the COVIDSurg Mortality Score	Full research paper	British Journal of Surgery	6.9	73	4
Preoperative nasopharyngeal swab testing and postoperative pulmonary complications in patients undergoing elective surgery during the SARS-CoV-2 pandemic	Full research paper	British Journal of Surgery	6.9	201	46
Death following pulmonary complications of surgery before and during the SARS-CoV-2 pandemic	Full research paper	British Journal of Surgery	6.9	40	0
Delaying surgery for patients with a previous SARS-CoV-2 infection	Research letter	British Journal of Surgery	6.9	274	62
Modelling & guidance					
Projecting COVID-19 disruption to elective surgery	Research letter	Lancet	79.3	222	0
Global guidance for surgical care during the COVID-19 pandemic	Full research paper	British Journal of Surgery	6.9	291	464
Elective surgery cancellations due to the COVID-19 pandemic: global predictive modelling to inform surgical recovery plans	Full research paper	British Journal of Surgery	6.9	2,018**	754
SARS-CoV-2 vaccination modelling for safe surgery to save lives: data from an international prospective cohort study	Full research paper	British Journal of Surgery	6.9	592	42
COVID-19-related absence among surgeons: development of an international surgical workforce prediction model	Full research paper	BJS Open	3.4	31	11
Specialty-specific analyses					
Outcomes from elective colorectal cancer surgery during the SARS-CoV-2 pandemic	Full research paper	Colorectal Disease	3.8	66	21
Head and neck cancer surgery during the COVID-19 pandemic: An international, multicenter, observational cohort study	Full research paper	Cancer	6.9	215	25
UK Head and neck cancer surgical capacity during the second wave of the COVID-19 pandemic - have we learned the lessons?	Full research paper	Clin Otolaryngol	2.6	47	6
Outcomes after peri-operative SARS-CoV-2 infection in patients with proximal femoral fractures: an international cohort study	Full research paper	BMJ Open	2.7	22	0
Impact of COVID-19 on vascular patients worldwide: analysis of the COVIDSurg data	Full research paper	Journal of Cardiovascular Surgery	1.9	In press	In press
Early outcomes and complications following cardiac surgery in patients testing positive for coronavirus disease 2019: An international cohort study	Research letter	J Thorac Cardiovasc Surg	5.2	89	5
Global wealth disparities drive adherence to COVID-safe pathways in head and neck cancer surgery	Research letter	BJS Open	3.4	7	0
Favourable perioperative outcomes for children with SARS-CoV-2	Research letter	British Journal of Surgery	6.9	16	6
Peri-operative outcomes of surgery in children with SARS-CoV-2 infection	Research letter	Anaesthesia	7.0	27	0

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Miscellaneous					
Timing of surgery following SARS-CoV-2 infection: country-income analysis	Research letter	Anaesthesia	7.0	24	0
Estudios colaborativos multicéntricos en cirugía: qué sucede en Latinoamérica?	Commentary	Cirugía y Cirujanos	0.4	-	0
Surgery during the COVID-19 pandemic - Authors' reply	Correspondence	Lancet	79.3	10	0
Informed decision making on pre-operative isolation	Correspondence	Anaesthesia	7.0	8	0

†At the time of publication.

Of the 12,982 scientific journals ranked by Clarivate 2021 impact factor, Lancet had the 5th highest; Journal of Clinical Oncology the 27th highest; and Lancet Oncology the 34th highest impact factors in the world.

*Ranked #746 highest-ever Altmetric score across all research, as of June 2020.

**Highest-ever Altmetric score for this journal, as of July 2021.

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Frequently asked questions

How is authorship on CovidSurg articles determined?

Four different studies have been run by the CovidSurg & GlobalSurg collaboratives:

- **CovidSurg Cohort study** ([website](#)): Included patients undergoing any type of surgery who had SARS-CoV-2 infection in the 7 days before or the 30 days after surgery. Patients were included from the start of the pandemic to 31 July 2020. Final database was locked in October 2020.
- **CovidSurg-Cancer study** ([website](#)): Included adult patients who required cancer surgery. Patients were included from the start of the pandemic, up to 31 August 2020 at the latest. Final dataset was locked in November 2020.
- **GlobalSurg-CovidSurg Week study** ([website](#)): Included patients undergoing any type of surgery. Patients were included from 1 October 2020 to 31 October 2020. Final dataset was locked in January 2021.
- **CovidSurg-3** ([website](#)): This has two components, with data collection ongoing for both:
 - Patient-level component: Includes patients undergoing any type of surgery who had SARS-CoV-2 infection in the 7 days before or the 30 days after surgery.
 - Hospital-level component: Aggregated case-mix capture at a hospital level.

Individuals are listed as collaborators on publications that their team contributed patients to. When a publication has only use part of the overall dataset from a particular study, only collaborators whose patients were included in that analysis are listed as co-authors.

How do I find CovidSurg research articles?

- A full list of CovidSurg articles is on page 1 of this document.
- To find the articles online, navigate to <https://pubmed.ncbi.nlm.nih.gov> to load PubMed, and search for “CovidSurg”
- Quick link: <https://pubmed.ncbi.nlm.nih.gov/?term=CovidSurg>
- To get the full text, in the search results click on a specific article of interest. On the article record, click on the ‘full text links’ on the top right of the screen.

Can authorship changes be made?

- **Once an article has been published, it is not possible to make any changes to the authorship list.**
- For each study we have gone through extensive processes that gave collaborators opportunities to make corrections to authorship lists pre-submission. For example, details of the process for GlobalSurg-CovidSurg Week: <https://bit.ly/3vQwVub>

How do I prove my authorship?

Method 1: PubMed

- For each article, all co-authors are indexed on the relevant PubMed record.
- Try searching your name on PubMed to find the articles on which you are co-author.

- On the PubMed record for each article, click “expand” next to “collaborators” to display the full list of indexed authors.

Method 2: Journal website

- Most journals don’t list thousands of authors in the main article PDF. As a result, for most of our articles **no** individual authors are listed in the main PDF, but all authors are listed in the supplementary material (also called online appendix, supplementary data, or supporting information by some journals).
- The supplementary material will be available as either a PDF or Word document, which you can download from the journal website.
- To download this, scroll through the journal webpage for the article to find a link to the supplementary material. Often this will be in a panel on either the left or right hand side of the webpage, or at the bottom of the article.
- Within the supplementary material find the authorship information (all supplementary material including supplemental tables and authorship may be in the same file, or there may be separate files).
- Authorship is arranged by study role. Hospital leads and local collaborators are usually arranged by country, and then by hospital.
- **The quickest way to find yourself is to use the search function in your word processor / PDF reader and search for your surname.**

What about indexing in Scopus, ResearchGate, Google Scholar?

- Services such as Scopus, ResearchGate, ORCID, and Google Scholar are third party services over which we have no influence.
- If you have problems with getting articles indexed on your profile on those services, please contact the service provider. Unfortunately, we are unable to help with this.

Can I have a certificate?

- Unfortunately, due to the large number of collaborators (15,000+ for SurgWeek alone) we are unable to issue certificates.
- If you need a certificate, please contact the supervising consultant / attending at your hospital.

How should I cite publications on my CV?

Whilst it is up to individuals to decide how they design their CVs, we suggest that co-authors clearly state their contribution to each output. We suggest the following citation format to ensure transparency:

- **Generic format:** COVIDSurg Collaborative [Your name & authorship role as recorded in published authorship list]. Title. Journal. Year, volume, issue, page numbers.
- **Example:** COVIDSurg Collaborative [Joe Bloggs, local collaborator]. *Effect of COVID-19 pandemic lockdowns on planned cancer surgery for 15 tumour types in 61 countries: an international, prospective, cohort study.* Lancet Oncol. 2021 Nov;22(11):1507-1517.

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Appendix A: Authorship details for CovidSurg articles:

Article title	Journal & PubMed ID	First online	Authorship criteria
Global guidance for surgical care during the COVID-19 pandemic	British Journal of Surgery 32293715	15 Apr 2020	Guidance document that did not use CovidSurg patient-level data. Authorship included representatives of the CovidSurg Dissemination Committee.
Elective surgery cancellations due to the COVID-19 pandemic: global predictive modelling to inform surgical recovery plans	British Journal of Surgery 32395848	12 May 2020	Modelling exercise that did not use CovidSurg patient-level data. Authorship included representatives of the CovidSurg Dissemination Committee.
Mortality and pulmonary complications in patients undergoing surgery with perioperative SARS-CoV-2 infection: an international cohort study	Lancet 32479829	29 May 2020	Based on the CovidSurg Cohort study . Analysis included patients operated up to 31 March 2020 who had peri-operative SARS-CoV-2, with data uploaded to REDCap by 30 April 2020.
Research letter: Delaying surgery for patients with a previous SARS-CoV-2 infection	British Journal of Surgery 32974904	25 Sept 2020	Based on the CovidSurg-Cancer study . Analysis included patients who underwent cancer surgery up to 19th April 2020, with data uploaded to REDCap by 26 May 2020. Only patients who had a preoperative SARS-CoV-2 diagnosis were included.
Elective Cancer Surgery in COVID-19-Free Surgical Pathways During the SARS-CoV-2 Pandemic: An International, Multicenter, Comparative Cohort Study	Journal of Clinical Oncology 33021869	6 Oct 2020	Based on the CovidSurg-Cancer study . Analysis included patients who underwent cancer surgery up to 19th April 2020, with data uploaded to REDCap by 26 May 2020.
Research letter: Favourable perioperative outcomes for children with SARS-CoV-2	British Journal of Surgery 33074569 PubMed indexing of coauthors ongoing	19 Oct 2020	Based on children in the CovidSurg Cohort study who were included in the second data lock.
Surgery during the COVID-19 pandemic - Authors' reply	Lancet 33160579	7 Nov 2020	Correspondence (not full article) in response to comment on 'Mortality and pulmonary complications in patients undergoing surgery with perioperative SARS-CoV-2 infection: an international cohort study'. No individual authors listed on PubMed
Preoperative nasopharyngeal swab testing and postoperative pulmonary complications in patients undergoing elective surgery during the SARS-CoV-2 pandemic	British Journal of Surgery 33640908 PubMed indexing of coauthors ongoing	11 Nov 2020	Based on the CovidSurg-Cancer study . Analysis included patients who underwent cancer surgery up to 19th April 2020, with data uploaded to REDCap by 26 May 2020.
Outcomes from §rectal cancer surgery during the SARS-CoV-2 pandemic	Colorectal Disease 33191669	15 Nov 2020	Based on the CovidSurg-Cancer study . Analysis included patients who underwent surgery for colorectal cancer up to 19th April 2020, with data uploaded to REDCap by 26 May 2020.

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Head and neck cancer surgery during the COVID-19 pandemic: An international, multicenter, observational cohort study	Cancer 33345297	21 Dec 2020	Based on the CovidSurg-Cancer study . Analysis included patients who underwent surgery for head and neck cancer up to 19th April 2020, with data uploaded to REDCap by 26 May 2020.
COVID-19-related absence among surgeons: development of an international surgical workforce prediction model	BJS Open 33688956	28 Dec 2020	Modelling exercise that did not use CovidSurg patient-level data. Authorship included representatives of the CovidSurg Dissemination Committee.
UK Head and neck cancer surgical capacity during the second wave of the COVID-19 pandemic - have we learned the lessons?	Clin Otolaryngol 33660920 PubMed indexing of coauthors ongoing	4 Mar 2021	Survey that did not use CovidSurg patient-level data. Authorship included representatives of the hospitals that participated in the survey.
Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study.	Anaesthesia 33690889	10 Mar 2021	Based on the GlobalSurg-CovidSurg Week study . Analysis included all patients entered in to the study.
SARS-CoV-2 vaccination modelling for safe surgery to save lives: data from an international prospective cohort study	British Journal of Surgery 33761533	24 Mar 2021	Based on the GlobalSurg-CovidSurg Week study . Analysis included all patients entered in to the study.
Early outcomes and complications following cardiac surgery in patients testing positive for coronavirus disease 2019: An international cohort study	J Thorac Cardiovasc Surg 33933259 PubMed indexing of coauthors ongoing	3 Apr 2021	Based on the CovidSurg Cohort study . Analysis included all cardiac surgery patients entered in to the study.
Machine learning risk prediction of mortality for patients undergoing surgery with perioperative SARS-CoV-2: the COVIDSurg Mortality Score	British Journal of Surgery 34227657	6 Jul 2021	Based on the CovidSurg Cohort study . Analysis included all patients entered in to the study.
Effects of preoperative isolation on postoperative pulmonary complications after elective surgery	Anaesthesia 34371522	9 Aug 2021	Based on the GlobalSurg-CovidSurg Week study . Analysis included all patients entered in to the study.
SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study	Anaesthesia 34428858	24 Aug 2021	Based on the GlobalSurg-CovidSurg Week study . Analysis included all patients entered in to the study.
Effect of COVID-19 pandemic lockdowns on planned cancer surgery for 15 tumour types in 61 countries: an international, prospective, cohort study	Lancet Oncology 34624250	6 Oct 2021	Based on the CovidSurg-Cancer study . All collaborating centres included.
Timing of surgery following SARS-CoV-2 infection: country-income analysis	Anaesthesia 34739085	5 Nov 2021	Correspondence (not full article) in response to comment on 'Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study.' International group representing Dissemination Committee comprise writing committee; local collaborators not listed per journal policy, as they were listed on the main research paper.

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Peri-operative outcomes of surgery in children with SARS-CoV-2 infection	Anaesthesia 34739137	5 Nov 2021	Correspondence (not full article) in response to comment on 'Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study.' International group representing Dissemination Committee comprise writing committee; local collaborators not listed per journal policy, as they were listed on the main research paper.
Death following pulmonary complications of surgery before and during the SARS-CoV-2 pandemic	British Journal of Surgery PubMed ID pending	13 Nov 2021	Based on the CovidSurg-Cancer study . Analysis included patients who underwent surgery for colorectal, oesophagogastric, hepatopancreatobiliary, urological, or gynaecological cancer up to 19th April 2020, with data uploaded to REDCap by 26 May 2020.
Outcomes and their State-Level Variation in Patients Undergoing Surgery with Perioperative SARS-CoV-2 Infection in the USA: A Prospective Multicenter Study	Annals of surgery 34793350 PubMed indexing of coauthors ongoing	18 Nov 2021	Based on the CovidSurg Cohort study patients who were included by United States collaborating hospitals.
Informed decision making on pre-operative isolation	Anaesthesia 34844285	29 Nov 2021	Correspondence (not full article) in response to comment on 'Effects of preoperative isolation on postoperative pulmonary complications after elective surgery.' International group representing Dissemination Committee comprise writing committee; local collaborators not listed per journal policy, as they were listed on the main research paper.
Outcomes after peri-operative SARS-CoV-2 infection in patients with proximal femoral fractures: an international cohort study	BMJ Open 34848515	30 Nov 2021	Based on the CovidSurg Cohort study patients who were included in the second data lock who underwent hip fracture surgery.
Estudios colaborativos multicéntricos en cirugía: qué sucede en Latinoamérica?	Cirugía y Cirujanos 34851579	30 Nov 2021	Commentary article that did not use CovidSurg patient-level data. Authorship included representatives of the CovidSurg Dissemination Committee.
Projecting COVID-19 disruption to elective surgery	Lancet 34922640	16 Dec 2021	Modelling exercise that did not use CovidSurg patient-level data. Authorship included representatives of the CovidSurg Dissemination Committee.
Global wealth disparities drive adherence to COVID-safe pathways in head and neck cancer surgery	BJS Open 34958353	27 Dec 2021	Survey that did not use CovidSurg patient-level data. Authorship included representatives of the hospitals that participated in the survey.
Impact of COVID-19 on vascular patients worldwide: analysis of the COVIDSurg data	Journal of Cardiovascular Surgery PubMed ID pending	Article accepted & in press	Based on the CovidSurg Cohort study patients who underwent vascular surgery.
Mortality and pulmonary complications in emergency general surgery patients with COVID-19: a large international multicenter study	Submitted for publication	Submitted for publication	Based on the CovidSurg Cohort study .