

# Citation Evidence Report

EB-1A Petition – Original Contributions of Major Significance

8 CFR § 204.5(h)(3)(v) · Criterion 5

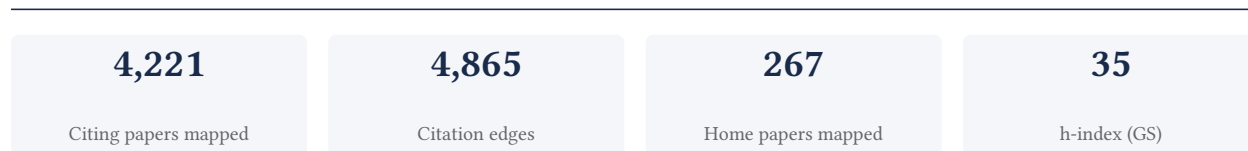
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[Google Scholar profile](#)

**Generated 2026-05-21 by CiteMap.** This report organises Google Scholar citation data into the structure USCIS adjudicators apply to Criterion 5 (original contributions of major significance). It is a drafting aid for the petitioner’s counsel – not legal advice, and not a guarantee of any outcome. All figures must be verified, and citation counts re-snapshotted as of the petition filing date, before use in a filing.

## A. Overview & Filtering Statement



### Filtering statement – methodology & limits

Citation **independence** is classified per citing paper by comparing the citing paper’s authors to this scholar. *Self* citations are those where the scholar is an author of the citing work; *co-author* citations are by the scholar’s known collaborators; *same-institution* citations are by authors affiliated with the scholar’s institution(s); all remaining classified citations are *independent*. Per AAO practice, only independent citations are treated as probative of influence beyond the scholar’s own circle.

**Known limitations – counsel must verify.** (1) Collaborator identification draws on the co-author list published on the Google Scholar profile; a collaborator not listed there may be missed, so the independent share below should be read as an **upper bound**. (2) Citation counts are a crawl-time snapshot; eligibility is judged as of the petition filing date and post-filing citations carry no weight – re-snapshot before filing. (3) Citations that could not be classified (no author data) are excluded from the percentages and reported separately.

## B. Citation Independence

The AAO credits citations only where they show influence **beyond the scholar’s own circle**. Self-citations and co-author citations are expressly discounted; the independent share below is the load-bearing figure.

**94.3% independent** of 1,477 classified citing papers

Citation type	Count
Independent	1,393
Self-citation	0
Co-author	83
Same-institution	1

2,744 citing papers could not be classified (no author data) and are excluded from the percentages above.

## C. Significant Contributions & Their Citation Evidence

Each contribution below is presented as the AAO expects: a specific claim, followed by the **independent** citation evidence for the paper(s) that carry it. Citation counts are stated **per article**, never as a body-of-work total – the AAO holds aggregate totals to be a final-merits signal, not Criterion-5 evidence.

Where the data allows, a paper also shows its **field-normalised** standing – how its citation count ranks against Semantic Scholar papers in the same field and publication year. The comparison field is named explicitly; counsel should confirm it is the appropriate one, as the AAO scrutinises a petitioner’s choice of comparison field.

## Contribution 1

### Claim – Contribution 1

*The researcher established a foundational framework for optimizing surgical timing and managing thromboembolic risks in patients with prior SARS-CoV-2 infection through seminal and subsequent international cohort studies.*

The researcher's contribution centers on defining safe surgical protocols for patients with a history of SARS-CoV-2 infection. This line of work is anchored by the 2020 core paper, "Delaying surgery for patients with a previous SARS-CoV-2 infection," which appears to have initiated a critical dialogue on perioperative management during the pandemic.

Originality is suggested by the chronological progression from initial guidance on delaying procedures to more granular, data-driven investigations. The follow-up studies, including a 2021 international prospective cohort on timing and a 2022 study on venous thromboembolism, indicate an evolution from general recommendations to specific, evidence-based risk assessments derived from large-scale global data.

The significance of this work is evidenced by substantial citation counts, with the core paper accumulating 163 citations and the 2021 follow-up reaching 672. Furthermore, the high degree of citation independence, with 97.6% of citations originating from independent researchers, suggests that this framework has been widely adopted and validated by the broader medical community beyond the researcher's immediate network.

INDEPENDENT CITATIONS FOR THIS CONTRIBUTION: 496 · 13 flagged influential by Semantic Scholar

### CORE PAPER

#### [Delaying surgery for patients with a previous SARS-CoV-2 infection](#)

2020 · Journal of British Surgery 107 (12), e601-e602, 2020 · 163 citations (GS)

Field-normalised: 117 Semantic Scholar citations place it in the top 5% of Medicine papers from 2020 indexed by Semantic Scholar, by citation count.

No.	Citing paper	Citing institution(s)	Country	S2
1	<a href="#">SARS-CoV-2 infection, COVID-19 and timing of elective surgery: A multidisciplinary consensus statement on behalf of the Association of Anaesthetists, the Centre for Perioperative Care, the Federation of Surgical Specialty Associations, the Royal College of Anaesthetists and the Royal College of Surgeons of England.</a>	Eastbourne Hospital, Royal College of Surgeons of England, Royal United Hospitals Bath NHS Foundation Trust	United Kingdom	Background
2	<a href="#">Impact of COVID-19 on the outcomes of gastrointestinal surgery</a>	—	—	Influential
3	<a href="#">The snapshot audit methodology: design, implementation and analysis of prospective observational cohort studies in surgery</a>	—	—	—
4	<a href="#">Postoperative outcomes of pediatric patients with perioperative COVID-19 infection: a systematic review and meta-analysis of observational studies</a>	Chengdu Women's and Children's Central Hospital, University of Electronic Science and Technology of China, University of Electronic Science and Technology of China	China	—

No.	Citing paper	Citing institution(s)	Country	S2
5	<a href="#">Outcomes of elective cancer surgery in COVID-19 survivors: An observational study</a>	Tata Memorial Center, Homi Bhabha National Institute, Tata Memorial Centre, Homi Bhabha National Institute	India	—
6	<a href="#">COVID-19 in the perioperative setting: A review of the literature and the clinical landscape</a>	Oregon Health & Science University	United States	—
7	<a href="#">Pulmonary complications and mortality among COVID-19 patients undergoing a surgery: a multicentre cohort study</a>	Centre Hospitalier de l'Université de Montréal, Hôpital du Sacré-Cœur de Montréal, Lung Institute	Canada, United States	—
8	<a href="#">Surgery after a previous SARS-CoV-2 infection: data, answers and questions</a>	St. Michael's Hospital	Canada	Background
9	<a href="#">Pre-Anesthesia Re-Evaluation in Post COVID-19 Patients Posted for Elective Surgeries: an Online, Cross-Sectional Survey.</a>	Tata Memorial Centre, Tata Memorial Centre, Homi Bhabha National Institute	India	Result
10	<a href="#">Long-standing gustatory and olfactory dysfunction in COVID-19 patients: a prospective study</a>	Humanitas Research Hospital, IRCCS, Humanitas University, Ospedali Riuniti Padova Sud "Madre Teresa Di Calcutta"	Italy	—
11	<a href="#">The delaying of elective surgeries after COVID-19 infection decreases postoperative complications</a>	University of Jordan	Jordan	Influential
12	<a href="#">Does a prior COVID-19 infection affect lung dynamics during thoracic anesthesia?</a>	Ankara Sincan Training and Research Hospital, Ankara University	Turkey	—
13	<a href="#">Surgical triage and timing for patients with coronavirus disease: a guidance statement from the Society of Thoracic Surgeons</a>	Baylor College of Medicine, Centre Hospitalier de l'Université de Montréal, Johns Hopkins University	Canada, Germany, United States	—
14	<a href="#">Optimum timing of lung resection surgery following SARS-CoV-2 infection for non-small cell lung cancer</a>	West China Hospital, Sichuan University, Western China Hospital, Sichuan University	China	—
15	<a href="#">When to operate after SARS-CoV-2 infection? A review on the recent consensus recommendation of the DGC/BDC and the DGAI/BDA</a>	University Hospital of Giessen, University Hospital of Heidelberg	Germany	—
16	<a href="#">Incidence of SARS-CoV-2 infection among asymptomatic patients undergoing preoperative COVID testing prior to cancer surgery: ASPECT study</a>	Tata Memorial Hospital	India	Background
17	<a href="#">Effects of the COVID-19 Pandemic on Everyday Neurosurgical Practice in Alsace, France: Lessons Learned, Current Perspectives, and Future Challenges ...</a>	Clinique de Genolier, Hôpital Pasteur, Ospedale di Bolzano	France, Italy, Switzerland	—

No.	Citing paper	Citing institution(s)	Country	S2
18	<a href="#">Postoperative Outcomes Associated with the Timing of Surgery After SARS-CoV-2 Infection</a>	Stanford University, Yale University	United States	Methodology
19	<a href="#">SAGES guidelines update to laparoscopy in the era of COVID-19</a>	Grand Strand Medical Center, Inova Fairfax Medical Campus, Maimonides Medical Center	Australia, Canada, Tunisia	—
20	<a href="#">Eligibility for elective surgery in patients recovering from mild COVID-19: A propensity-matched analysis</a>	The Second Hospital of Hebei Medical University	China	—
21	<a href="#">Nomogram for prediction of severe postoperative complications in elective hepatopancreato-biliary surgery after COVID-19 breakthrough infection: A large ...</a>	82th Hospital of PLA, Chinese University of Hong Kong, Hainan General Hospital	China, United States	—
22	<a href="#">Reconstruction surgery in head and neck cancer patients amidst the COVID-19 pandemic: Current practice and lessons for the future</a>	Bangalore Medical College and Research Institute, Saveetha Institute of Medical and Technical Sciences, University of Campania Luigi Vanvitelli	India, Italy	—
23	<a href="#">Timing of surgery for spinal deformity patients during the COVID-19 pandemic: experience from a prospective cohort at Peking Union Medical College Hospital</a>	Peking Union Medical College Hospital	China	—
24	<a href="#">Lessons learned in elective surgeries after 6 pandemic waves of SARS-COV-2. A single European center experience</a>	Hospital Clínico San Carlos, Instituto de Investigaciones Sanitarias Galicia Sur, Complejo Hospitalario Universitario de Vigo	Spain	—
25	<a href="#">Novel utilization of strand-specific reverse transcription polymerase chain reaction in perioperative clinical decision making for SARS-CoV-2 polymerase chain ...</a>	Stanford University School of Medicine	United States	—
26	<a href="#">The environment under the knife: A review of current Eco-surgical strategies and recommendations for Pakistan</a>	Aga Khan University, Aga Khan University Hospital	Kenya, Pakistan	—
27	<a href="#">Incidence of perioperative complications in COVID-19 survivors: Prospective observational clinical trial</a>	Hacettepe University	Turkey	Background
28	<a href="#">Surgical outcomes during the first year of the COVID-19 pandemic</a>	Cleveland Clinic, Montefiore Medical Center	United States	—
29	<a href="#">Management of the normal and difficult pediatric airway: Unique challenges in the time of COVID-19</a>	Tbilisi State Medical University, University of Pennsylvania, University of Texas Southwestern Medical Center	Georgia, United States	—
30	<a href="#">Characterizing the impact of SARS-CoV-2 reinfection on surgical outcomes</a>	Medical College of Wisconsin	United States	—

**Showing the 30 most-cited of 59 independent citing papers.**

Independent citing papers only; self- and co-author citations excluded. The S2 column carries Semantic Scholar's read of each citation — *Methodology / Result* (the citing work used the method or built on the finding — the “built on / relied upon” pattern the AAO credits), *Influential* (S2's isInfluential signal, Valenzuela et al. 2015), or *Background* (a passing mention).

**Citing-text excerpts — how the field used this work**

**RESULT** Pre-Anesthesia Re-Evaluation in Post COVID-19 Patients Posted for Elective Surgeries: an Online, Cross-Sectional Survey.

“The study from UK found that in a propensity score matched model, postoperative pulmonary complications were higher in COVID-19 recovered patients as compared to those with no COVID-19, when undergoing curative cancer surgery [11].”

**METHODOLOGY** Postoperative Outcomes Associated with the Timing of Surgery After SARS-CoV-2 Infection

“15,16 To control for differences in the types of surgical cases, within each CCS grouping, we randomly matched without replacement each SARS-CoV-2 positive patient to SARS-CoV-2 negative patients in a 1:4 ratio.”

**FOLLOW-UP WORK**

**[Timing of surgery following SARS-CoV-2 infection: an international prospective cohort study](#)**

2021 · Anaesthesia, 2021 · 672 citations (GS)

Field-normalised: 395 Semantic Scholar citations place it in the top 1% of Medicine papers from 2021 indexed by Semantic Scholar, by citation count.

No.	Citing paper	Citing institution(s)	Country	S2
1	<a href="#">2022 ESC Guidelines on cardiovascular assessment and management of patients undergoing non-cardiac surgery: Developed by the task force for cardiovascular assessment and management of patients undergoing non-cardiac surgery of the European Society of Cardiology (ESC). Endorsed by the European Society of Anaesthesiology and Intensive Care (ESAIC).</a>	Akershus University Hospital and University of Oslo, Austria, Cairo University	Austria, Belgium, Denmark	—
2	<a href="#">SARS-CoV-2 infection, COVID-19 and timing of elective surgery: A multidisciplinary consensus statement on behalf of the Association of Anaesthetists, the Centre for Peri-operative Care, the Federation of Surgical Specialty Associations, the Royal College of Anaesthetists and the Royal College of Surgeons of England.</a>	Eastbourne Hospital, Royal College of Surgeons of England, Royal United Hospitals Bath NHS Foundation Trust	United Kingdom	—
3	<a href="#">Timing of elective surgery and risk assessment after SARS-CoV-2 infection: an update: A multidisciplinary consensus statement on behalf of the Association of Anaesthetists, Centre for Perioperative Care, Federation of Surgical Specialty Associations, Royal College of Anaesthetists, Royal College of Surgeons of England.</a>	Bristol Dental School, Eastbourne Hospital, Health Services Research Centre	United Kingdom	—
4	<a href="#">Postoperative systemic inflammation after major abdominal surgery: patient-centred outcomes.</a>	Alfred Hospital and Monash University, Royal Perth Hospital	Australia	—
5	<a href="#">Impact of the COVID-19 pandemic on delays in surgical procedures in Germany: a multi-</a>	—	—	—

No.	Citing paper	Citing institution(s)	Country	S2
	<a href="#">center analysis of an administrative registry of 176,783 patients</a>			
6	<a href="#">Timing of elective surgery and risk assessment after SARS-CoV-2 infection: 2023 update: a multidisciplinary consensus statement on behalf of the Association of ...</a>	Bristol Dental School, Royal College of Surgeons of England, Royal United Hospitals Bath NHS Foundation Trust	United Kingdom	—
7	<a href="#">Immuno-thrombotic complications of COVID-19: implications for timing of surgery and anticoagulation</a>	—	—	—
8	<a href="#">Impact of preoperative COVID-19 on postoperative outcomes in patients undergoing bariatric/metabolic surgery: an updated analysis of TrinetX databases</a>	Department of Anesthesiology, Chi Mei Medical Center, Tainan City, Taiwan	Taiwan	—
9	<a href="#">Clinical practice selectively follows acute appendicitis guidelines</a>	—	—	—
10	<a href="#">Impact of COVID-19 on the outcomes of gastrointestinal surgery</a>	—	—	—
11	<a href="#">Postoperative mortality and complications in patients with and without pre-operative SARS-CoV-2 infection: a service evaluation of 24 million linked records using ...</a>	—	—	—
12	<a href="#">Impact of Coronavirus Disease (COVID)-19 on the Indigenous Population of Brazil: A Systematic Review</a>	—	—	—
13	<a href="#">Optimizing timing for elective surgery in cancer patients following COVID-19 infection; a post-pandemic analysis</a>	King Hussein Cancer Center	Jordan	—
14	<a href="#">The snapshot audit methodology: design, implementation and analysis of prospective observational cohort studies in surgery</a>	—	—	—
15	<a href="#">The impact of treatment delay on skin cancer in COVID-19 era: a case-control study</a>	—	—	—
16	<a href="#">Two years later: Is the SARS-CoV-2 pandemic still having an impact on emergency surgery? An international cross-sectional survey among WSES members</a>	Parma Maggiore Hospital	Italy	—
17	<a href="#">Delayed diagnosis and subsequently increased severity of acute appendicitis (compatible with clinical-pathologic grounds) during the COVID-19 pandemic: an ...</a>	—	—	—
18	<a href="#">Prophylactic anticoagulants for non-hospitalised people with COVID-19</a>	—	—	—
19	<a href="#">Early outcomes of radical surgery in non-small-cell lung cancer patients with and without COVID-19 history: a multi-center real-world study</a>	—	—	—

No.	Citing paper	Citing institution(s)	Country	S2
20	<a href="#">Preoperative SARS-CoV-2 infection increases risk of early postoperative cardiovascular complications following noncardiac surgery</a>	—	—	—
21	<a href="#">Timing of surgery and 1-year postoperative outcomes in patients with breast cancer and preoperative COVID-19 history: A matched, longitudinal, ambidirectional ...</a>	Fujian Medical University Union Hospital	China	—
22	<a href="#">Impact of the COVID-19 pandemic on short-term outcomes after pancreaticoduodenectomy for pancreatic cancer: A retrospective study from the Japanese National ...</a>	Hokkaido University Hospital, Keio University School of Medicine, Kochi Medical School	Japan	—
23	<a href="#">Characterization of the Epidemiological Profile of Patients With Parkinson's Disease Who Were Hospitalized due to SARS-CoV-2 Infection: A Portrait of 4 Years of the ...</a>	São Francisco University	Brazil	—
24	<a href="#">Outcome of adult cardiac surgery following COVID-19 infection in unvaccinated population in a national tertiary centre</a>	Institut Jantung Negara	Malaysia	Background
25	<a href="#">Pulmonary and functional hallmarks after SARS-CoV-2 infection across three WHO severity level-groups: an observational study</a>	São Francisco University, University of Campinas	Brazil	—
26	<a href="#">The negative effects of long COVID-19 on cardiovascular health and implications for the presurgical examination</a>	Blue Ridge Health Family Medicine, Edward Via College of Osteopathic Medicine	United States	—
27	<a href="#">Vaccination Coverage Against Coronavirus Disease 2019 in People Living on Quilombos in Brazil and Its Association With the Human Development Index and the ...</a>	São Francisco University	Brazil	—
28	<a href="#">When you need to dive in the deep end—Transplanting SARS-CoV-2 PCR+ recipients</a>	Columbia University Irving Medical Center, Duke University Medical Center, NewYork-Presbyterian Hospital	United States	—
29	<a href="#">Evaluating possible mechanisms linking obesity to COVID-19: a narrative review</a>	Masih Daneshvari Hospital, National Research Institute of Tuberculosis and Lung Diseases, Shahid Beheshti University of Medical Sciences	Iran	—
30	<a href="#">Postoperative outcomes of pediatric patients with perioperative COVID-19 infection: a systematic review and meta-analysis of observational studies</a>	Chengdu Women's and Children's Central Hospital, University of Electronic Science and Technology of China, University of Electronic Science and Technology of China	China	—

Showing the 30 most-cited of 368 independent citing papers.

Independent citing papers only; self- and co-author citations excluded. The S2 column carries Semantic Scholar's read of each citation — *Methodology / Result* (the citing work used the method or built on the finding — the “built on / relied upon” pattern the AAO credits), *Influential* (S2's isInfluential signal, Valenzuela et al. 2015), or *Background* (a passing mention).

## FOLLOW-UP WORK

### **SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study**

2022 · Anaesthesia: Peri-operative medicine, critical care and pain, 2022 · 132 citations (GS)

Field-normalised: 80 Semantic Scholar citations place it in the top 5% of Medicine papers from 2022 indexed by Semantic Scholar, by citation count.

No.	Citing paper	Citing institution(s)	Country	S2
1	<a href="#">2022 ESC Guidelines on cardiovascular assessment and management of patients undergoing non-cardiac surgery: Developed by the task force for cardiovascular assessment and management of patients undergoing non-cardiac surgery of the European Society of Cardiology (ESC). Endorsed by the European Society of Anaesthesiology and Intensive Care (ESAIC).</a>	Akershus University Hospital and University of Oslo, Austria, Cairo University	Austria, Belgium, Denmark	—
2	<a href="#">Timing of elective surgery and risk assessment after SARS-CoV-2 infection: an update: A multidisciplinary consensus statement on behalf of the Association of Anaesthetists, Centre for Perioperative Care, Federation of Surgical Specialty Associations, Royal College of Anaesthetists, Royal College of Surgeons of England.</a>	Bristol Dental School, Eastbourne Hospital, Health Services Research Centre	United Kingdom	—
3	<a href="#">Timing of elective surgery and risk assessment after SARS-CoV-2 infection: 2023 update: a multidisciplinary consensus statement on behalf of the Association of ...</a>	Bristol Dental School, Royal College of Surgeons of England, Royal United Hospitals Bath NHS Foundation Trust	United Kingdom	—
4	<a href="#">Immuno-thrombotic complications of COVID-19: implications for timing of surgery and anticoagulation</a>	—	—	—
5	<a href="#">Impact of Coronavirus Disease (COVID)-19 on the Indigenous Population of Brazil: A Systematic Review</a>	—	—	—
6	<a href="#">Prophylactic anticoagulants for non-hospitalised people with COVID-19</a>	—	—	—
7	<a href="#">Characterization of the Epidemiological Profile of Patients With Parkinson's Disease Who Were Hospitalized due to SARS-CoV-2 Infection: A Portrait of 4 Years of the ...</a>	São Francisco University	Brazil	—
8	<a href="#">Pulmonary and functional hallmarks after SARS-CoV-2 infection across three WHO severity level-groups: an observational study</a>	São Francisco University, University of Campinas	Brazil	—

No.	Citing paper	Citing institution(s)	Country	S2
9	<a href="#">Vaccination Coverage Against Coronavirus Disease 2019 in People Living on Quilombos in Brazil and Its Association With the Human Development Index and the ...</a>	São Francisco University	Brazil	—
10	<a href="#">Outcomes of elective cancer surgery in COVID-19 survivors: An observational study</a>	Tata Memorial Center, Homi Bhabha National Institute, Tata Memorial Centre, Homi Bhabha National Institute	India	—
11	<a href="#">COVID-19 in the perioperative setting: A review of the literature and the clinical landscape</a>	Oregon Health & Science University	United States	—
12	<a href="#">Peculiarities of in-Stent Thrombosis and Restenosis in Coronary Arteries Post-COVID-19: A Systematic Review of Clinical Cases and Case Series</a>	Center of Nuclear Medicine and Oncology, Semey Emergency Hospital, Semey Medical University	Kazakhstan	<b>Influential</b>
13	<a href="#">Thromboembolic safety and clinical benefits of tranexamic acid beyond hemostasis in post-COVID-19 patients undergoing major arthroplasty: A STROBE ...</a>	Chi Mei Medical Center, E-Da Hospital	Taiwan	—
14	<a href="#">Changes in hospital admissions for facial fractures during and after COVID 19 pandemic: National multicentric epidemiological analysis on 2938 patients</a>	ARNAS Brotzu, A.R.N.A.S. Civico di Cristina Bonfratelli Hospital, ASO Santa Croce e Carle	Italy	—
15	<a href="#">Epidemiological profile of hospitalized patients with cystic fibrosis in Brazil due to severe acute respiratory infection during the COVID-19 pandemic and a ...</a>	Universidade São Francisco	Brazil	—
16	<a href="#">Decrease venous thromboembolism without anticoagulation in plastic surgery: the paradigm of risk identification, risk modification, and risk reduction</a>	Manhattan Eye Ear and Throat Hospital, Plastic Surgery Northwest	United States	—
17	<a href="#">Epidemiological profile and risk factors associated with death in patients receiving invasive mechanical ventilation in an adult intensive care unit from Brazil: a ...</a>	São Francisco University	Brazil	—
18	<a href="#">Surgical management of acute appendicitis during the European COVID-19 second wave: safe and effective</a>	Helsinki University Hospital, Hospital Universitario Virgen del Rocío, Orebro University	Bahrain, Finland, Spain	—
19	<a href="#">The optimal timing of breast cancer surgery after COVID-19 infection: an observational study</a>	Rizhao Central Hospital, Shandong Cancer Hospital and Institute, Shandong Cancer Hospital and Institute, Shandong First Medical University, Shandong Academy of Medical Sciences	China	<b>Methodology</b>
20	<a href="#">Clinical decision making in healthcare: the importance of best evidence</a>	Duke University, Universidade Federal de São Paulo	Brazil, United States	—

No.	Citing paper	Citing institution(s)	Country	S2
21	<a href="#">Short-Term Physiological Effects of Moderate PEEP Levels in Invasively Ventilated Patients Without Acute or Chronic Lung Disease</a>	Universidade São Francisco	Brazil	—
22	<a href="#">Molecular insights of SARS-CoV-2 antivirals administration: A balance between safety profiles and impact on cardiovascular phenotypes</a>	Aberdeen Royal Infirmary, Centre Cardiologique du Nord, Federico II University Hospital	France, Italy, United Kingdom	—
23	<a href="#">Venous Thromboembolism in Plastic Surgery Patients</a>	University of Wisconsin–Madison	United States	—
24	<a href="#">Effects of the COVID-19 Pandemic on Everyday Neurosurgical Practice in Alsace, France: Lessons Learned, Current Perspectives, and Future Challenges ...</a>	Clinique de Genolier, Hôpital Pasteur, Ospedale di Bolzano	France, Italy, Switzerland	—
25	<a href="#">Changes in early postoperative outcomes and complications observed in a single center during the 2022 COVID-19 pandemic wave in China: A single-center ...</a>	Xijing Hospital, Fourth Military Medical University	China	—
26	<a href="#">Inhaled Nitric Oxide Reduce postoperative pulmonary complications in patients with recent COVID-19 infection (INORDINATE): protocol for a randomised controlled ...</a>	Xijing Hospital	China	—
27	<a href="#">Role of academia in enhancing technology and innovation for a post COVID-19 recovery and growth</a>	Obafemi Awolowo University Teaching Hospitals Complex	Nigeria	—
28	<a href="#">Positive SARS-CoV-2 detection on intraoperative nasopharyngeal viral testing is not associated with worse outcomes for asymptomatic elective surgical ...</a>	University of Virginia	United States	—
29	<a href="#">Associations between SARS-CoV-2 infections and thrombotic complications necessitating surgical intervention: a systematic review</a>	Rush University Medical Center, Temple University Hospital, University of Chicago	United States	—
30	<a href="#">Thrombotic Consequences of COVID-19 Infection on Microsurgical Reconstruction</a>	Stanford University, University of Chicago, University of Colorado	United States	—

#### Showing the 30 most-cited of 69 independent citing papers.

Independent citing papers only; self- and co-author citations excluded. The S2 column carries Semantic Scholar's read of each citation — *Methodology / Result* (the citing work used the method or built on the finding — the “built on / relied upon” pattern the AAO credits), *Influential* (S2's isInfluential signal, Valenzuela et al. 2015), or *Background* (a passing mention).

#### Citing-text excerpts — how the field used this work

**METHODOLOGY** The optimal timing of breast cancer surgery after COVID-19 infection: an observational study

“The study from COVID-19 Surg Collaboration showed that the incidence of postoperative DVT is 0.5% in non-COVID-19 patients, and 2.2% in patients within four weeks after COVID-19 infection [20].”

## Contribution 2

## Claim – Contribution 2

*The researcher established a global evidence base on pandemic impacts on cancer surgery and developed validated metrics for international surgical system preparedness.*

CLAIM: The researcher's contribution centers on quantifying the global disruption of cancer surgeries during the COVID-19 pandemic and subsequently developing standardized tools to measure surgical system resilience. This line of work is anchored by a 2021 prospective cohort study covering 15 tumor types across 61 countries, which has accumulated 335 citations. It is extended by 2022 publications that introduce and validate a Surgical Preparedness Index across 1,632 hospitals in 119 countries.

ORIGINALITY: The titles suggest a strategic evolution from documenting crisis-induced service interruptions to establishing proactive frameworks for system strengthening. While the core paper addresses the immediate impact of lockdowns on planned procedures, the follow-up work appears to fill a gap in standardized measurement by creating a validated index for surgical preparedness. This progression indicates a shift from descriptive epidemiology to the development of actionable metrics for global health infrastructure.

SIGNIFICANCE: The work demonstrates substantial independent uptake, with 97.6% of citations originating from researchers outside the scholar's immediate network. The core paper's high citation count reflects its role as a key reference for understanding pandemic effects on oncology care. The subsequent development of the preparedness index, cited in multiple publications, suggests the field is adopting these metrics to assess and improve surgical capacity on a global scale.

INDEPENDENT CITATIONS FOR THIS CONTRIBUTION: 211 · 4 flagged influential by Semantic Scholar

### CORE PAPER

#### [Effect of COVID-19 pandemic lockdowns on planned cancer surgery for 15 tumour types in 61 countries: an international, prospective, cohort study](#)

2021 · The Lancet Oncology 22 (11), 1507-1517, 2021 · 335 citations (GS)

Field-normalised: 211 Semantic Scholar citations place it in the top 1% of Medicine papers from 2021 indexed by Semantic Scholar, by citation count.

No.	Citing paper	Citing institution(s)	Country	S2
1	<a href="#"><u>Immuno-thrombotic complications of COVID-19: implications for timing of surgery and anticoagulation</u></a>	—	—	—
2	<a href="#"><u>Clinical practice selectively follows acute appendicitis guidelines</u></a>	—	—	—
3	<a href="#"><u>Early outcomes of radical surgery in non-small-cell lung cancer patients with and without COVID-19 history: a multi-center real-world study</u></a>	—	—	—
4	<a href="#"><u>COVID-19 in the perioperative setting: A review of the literature and the clinical landscape</u></a>	Oregon Health & Science University	United States	—
5	<a href="#"><u>Global Patterns and Temporal Trends in Ovarian and Uterine Cancer Mortality Attributable to High Body-Mass Index, 1990–2023</u></a>	Military Medical Academy, University of Belgrade, University of Kragujevac	Serbia	—
6	<a href="#"><u>Impact of the COVID-19 pandemic on outcomes of cholecystectomy for acute cholecystitis: a national cohort study</u></a>	Manchester Royal Infirmary, University of Auckland	New Zealand, United Kingdom	—

No.	Citing paper	Citing institution(s)	Country	S2
7	<a href="#">Neurosurgical operative cancellations in Canada: a multicentre retrospective cohort study</a>	Dalhousie University, McMaster University, Queen's University	Canada	—
8	<a href="#">Effects of the COVID-19 Pandemic on Everyday Neurosurgical Practice in Alsace, France: Lessons Learned, Current Perspectives, and Future Challenges ...</a>	Clinique de Genolier, Hôpital Pasteur, Ospedale di Bolzano	France, Italy, Switzerland	—
9	<a href="#">Safety of lung resection surgery after severe acute respiratory syndrome coronavirus 2 infection in the post-vaccination era</a>	Seoul National University, Seoul National University Hospital	South Korea	—
10	<a href="#">The impact of SARS-Cov-2 Omicron infection on short-term outcomes after elective surgery in patients with gastrointestinal cancer</a>	Shanghai East Hospital	China	—
11	<a href="#">Continuity Unveiled: Evaluating Cytoreduction Outcomes for Advanced Ovarian Cancer Amidst the COVID-19 Era at an ESGO Designated Centre of Excellence</a>	St James's University Hospital, University of Macedonia	Greece, United Kingdom	Background
12	<a href="#">How the COVID-19 pandemic and related school closures reduce physical activity among children and adolescents in the WHO European Region: a systematic ...</a>	Federal Institute for Population Research, Fulda University of Applied Sciences, Medical Center - University of Freiburg	Germany	—
13	<a href="#">Anxiety increased among children and adolescents during pandemic-related school closures in Europe: a systematic review and meta-analysis</a>	Federal Institute for Population Research, Fulda University of Applied Sciences, LMU Munich	Germany	—
14	<a href="#">European cancer mortality predictions for the year 2022 with focus on ovarian cancer</a>	Stony Brook University, University of Bologna, University of Lausanne	Italy, Switzerland, United States	—
15	<a href="#">Changes in cancer diagnoses and stage distribution during the first year of the COVID-19 pandemic in the USA: a cross-sectional nationwide assessment</a>	American Cancer Society, The University of Texas Southwestern Medical Center	United States	—
16	<a href="#">A hybrid algorithm of ML and XAI to prevent breast cancer: A strategy to support decision making</a>	Catholic University of the Maule, University of Talca	Chile	—
17	<a href="#">Trends in physical fitness among children and adolescents in Europe: A systematic review and meta-analyses during and after the COVID-19 pandemic</a>	Fulda University of Applied Sciences, Heidelberg University, Karlsruhe Institute of Technology	Germany, Switzerland	—
18	<a href="#">Temporal trends in cross-country inequalities of early-onset pancreatic cancer: a comprehensive analysis for the global burden of disease study 2021</a>	The Third Xiangya Hospital, Central South University	China	—
19	<a href="#">Impact of disease severity, age, sex, comorbidity, and vaccination on secondary attack rates of SARS-CoV-2: a global systematic review and meta-analysis</a>	Dalhousie University, Yale School of Public Health, York University	Canada, United States	—

No.	Citing paper	Citing institution(s)	Country	S2
20	<a href="#">Racial and ethnic disparities in cancer care during the COVID-19 pandemic</a>	Battle Creek VA Medical Center, CancerCare   HealthPartners   St Peter's Hospital, Dana-Farber Cancer Institute	Puerto Rico, United States	Background
21	<a href="#">The impact of COVID-19 on surgical procedures in Japan: analysis of data from the National Clinical Database</a>	Japanese Surgical Society, Nippon Medical School Graduate School of Medicine, The University of Tokyo	Japan	—
22	<a href="#">Epidemiology of central nervous system infectious diseases: a meta-analysis and systematic review with implications for neurosurgeons worldwide</a>	Brigham and Women's Hospital, Harvard University, Meharry Medical College	India, Nigeria, Philippines	—
23	<a href="#">Frailism: a scoping review exploring discrimination against people living with frailty</a>	Newcastle University, North Bristol NHS Trust, Northumbria Healthcare NHS Foundation Trust	United Kingdom	—
24	<a href="#">Effect of the COVID-19 pandemic on surgery for indeterminate thyroid nodules (THY-COVID): a retrospective, international, multi-centre, cross-sectional study</a>	Ankara University, Carol Davila University of Medicine and Pharmacy, Cliniques Universitaires Saint-Luc	Belgium, Brazil, Colombia	—
25	<a href="#">Impact of COVID-19 on cancer incidence, presentation, diagnosis, treatment and survival in Northern Ireland</a>	Queen's University Belfast	United Kingdom	—
26	<a href="#">Measuring hospital care resilience: a systematic literature review: M. Cavalieri et al.</a>	University of Catania	Italy	—
27	<a href="#">The impact of COVID-19 on 2020 monthly incidence trends of primary brain and other CNS tumors</a>	Central Brain Tumor Registry of the United States, Duke University, National Cancer Institute	United States	—
28	<a href="#">Anxiety and depression in cancer patients and survivors in the context of restrictions in contact and oncological care during the COVID-19 pandemic</a>	German Cancer Research Center (DKFZ)	Germany	—
29	<a href="#">Mitigating the impact of blood shortages in England</a>	NHS Blood and Transplant	United Kingdom	—
30	<a href="#">Impact of coronavirus disease 2019 on the number of newly diagnosed cancer patients and examinations and surgeries performed for cancer in Japan: a nationwide ...</a>	Japan Cancer Society, Jichi Medical University, Kanagawa Prefectural Ashigarakami Hospital	Japan	—

Showing the 30 most-cited of 190 independent citing papers.

Independent citing papers only; self- and co-author citations excluded. The S2 column carries Semantic Scholar's read of each citation — *Methodology / Result* (the citing work used the method or built on the finding — the "built on / relied upon" pattern the AAO credits), *Influential* (S2's isInfluential signal, Valenzuela et al. 2015), or *Background* (a passing mention).

#### FOLLOW-UP WORK

[Elective surgery system strengthening: development, measurement, and validation of the surgical preparedness index across 1632 hospitals in 119 countries](#)

Field-normalised: 55 Semantic Scholar citations place it in the top 5% of Medicine papers from 2022 indexed by Semantic Scholar, by citation count.

No.	Citing paper	Citing institution(s)	Country	S2
1	<a href="#">Prophylactic anticoagulants for non-hospitalised people with COVID-19</a>	—	—	—
2	<a href="#">Pulmonary and functional hallmarks after SARS-CoV-2 infection across three WHO severity level-groups: an observational study</a>	São Francisco University, University of Campinas	Brazil	—
3	<a href="#">Epidemiological profile of hospitalized patients with cystic fibrosis in Brazil due to severe acute respiratory infection during the COVID-19 pandemic and a ...</a>	Universidade São Francisco	Brazil	—
4	<a href="#">Neurosurgical operative cancellations in Canada: a multicentre retrospective cohort study</a>	Dalhousie University, McMaster University, Queen's University	Canada	—
5	<a href="#">Measuring hospital care resilience: a systematic literature review: M. Cavalieri et al.</a>	University of Catania	Italy	—
6	<a href="#">Impact of coronavirus disease 2019 on the number of newly diagnosed cancer patients and examinations and surgeries performed for cancer in Japan: a nationwide ...</a>	Japan Cancer Society, Jichi Medical University, Kanagawa Prefectural Ashigarakami Hospital	Japan	—
7	<a href="#">Worse cholecystectomy outcomes during the COVID-19 pandemic: were staff shortages or a change in patient case-mix the culprit?</a>	Evangelical Hospital, Knappschaft Vest-Hospital, University of Cologne	Germany	—
8	<a href="#">Healthcare as a driver, reservoir and amplifier of antimicrobial resistance: opportunities for interventions</a>	University of Liverpool	United Kingdom	—
9	<a href="#">Long-term therapy with dienogest or other oral cyclic estrogen-progestogen can reduce the need for ovarian endometrioma surgery</a>	University of Brescia, University of Insubria, University of Palermo	Italy	Background
10	<a href="#">The impact of COVID-19 on plastic surgery residents across the world: a country-, region-, and income-level analysis</a>	International Society of Aesthetic Plastic Surgery, University Hospital of Ioannina	Greece, United States	Background
11	<a href="#">Assessing the impact of neurosurgery and neuroanatomy simulation using 3D non-cadaveric models amongst selected African medical students</a>	Association of Future African Neurosurgeons, University of Bamenda, University of Yaounde I	Cameroon	—
12	<a href="#">A narrative on diversity, equity, and inclusion in surgery: insights from the European Society of Coloproctology and identification of points for action</a>	Acibadem Mehmet Ali Aydinlar University, ESCP, Hospital L. Sacco	Argentina, Italy, Switzerland	—
13	<a href="#">Exploring factors contributing to patient decision-making in the care journey to elective hernia care in Kenya</a>	Indiana University School of Medicine, Moi University School of Medicine, National Institutes of Health	Kenya, United States	—
14	<a href="#">Association Between Colorectal Cancer Screening and Survival in Patients Older</a>	Humanitas University, University Hospital of Trieste	Italy	—

No.	Citing paper	Citing institution(s)	Country	S2
	<a href="#">Than 70 Years: Results of A National Multi-center Retrospective Study</a>			
15	<a href="#">Risk factors for postoperative bile leakage and mortality following bilio-enteric anastomosis: a prospective cohort study</a>	University of Oran 1	Algeria	—
16	<a href="#">The burden of COVID-19 in hospitalized people with diabetes mellitus in Brazil: Insights from four years of the pandemic</a>	São Francisco University, Universidade São Francisco	Brazil	—
17	<a href="#">Epidemiologische Auswirkungen der COVID-19-Pandemie auf E nukleationsfälle in Deutschland</a>	Universitätsklinikum Gießen und Marburg GmbH, Universitätsklinikum Gießen und Marburg GmbH, Standort Gießen, Justus-Liebig-Universität Gießen	Germany	—
18	<a href="#">Strategic use of emergency operating rooms for elective surgery under the TACS code white</a>	Azienda Unità Sanitaria Locale (AUSL) Romagna, Maurizio Bufalini Hospital, Maurizio Bufalini Hospital	Italy	—
19	<a href="#">Before and after COVID-19 pandemic: impact on hepatobiliary and pancreatic surgical services in a Singapore Tertiary Hospital</a>	Nanyang Technological University	Singapore	Background
20	<a href="#">Will the epidemic wave of Chikunguya affect the surgical management of the patients?</a>	Universidad Nacional de Asunción	Paraguay	—

Independent citing papers only; self- and co-author citations excluded. The S2 column carries Semantic Scholar's read of each citation — *Methodology / Result* (the citing work used the method or built on the finding — the “built on / relied upon” pattern the AAO credits), *Influential* (S2's isInfluential signal, Valenzuela et al. 2015), or *Background* (a passing mention).

#### FOLLOW-UP WORK

### [Elective surgery system strengthening development, measurement, and validation of the surgical preparedness index across 1632 hospitals in 119 countries](#)

2022 · Elsevier, 2022 · 1 citations (GS)

Field-normalised: 55 Semantic Scholar citations place it in the top 5% of Medicine papers from 2022 indexed by Semantic Scholar, by citation count.

No.	Citing paper	Citing institution(s)	Country	S2
1	<a href="#">Quality indicators for structure and process in peri-operative care: a systematic review</a>	University of Cambridge	United Kingdom	—

Independent citing papers only; self- and co-author citations excluded. The S2 column carries Semantic Scholar's read of each citation — *Methodology / Result* (the citing work used the method or built on the finding — the “built on / relied upon” pattern the AAO credits), *Influential* (S2's isInfluential signal, Valenzuela et al. 2015), or *Background* (a passing mention).

## Contribution 3

**Claim — Contribution 3**

*The researcher developed a seminal vaccination modeling framework for safe surgery during the pandemic, establishing a foundation for subsequent analyses on hospital preparedness and global surgical economics.*

The researcher's core contribution rests on a 2021 paper titled 'SARS-CoV-2 vaccination modelling for safe surgery to save lives: data from an international prospective cohort study.' This work appears to have established a critical methodological or empirical baseline for assessing surgical safety in the context of widespread vaccination efforts during the pandemic.

This line of work addresses the urgent need to quantify how vaccination impacts surgical outcomes. The titles of follow-up papers from 2025 and 2026 suggest the researcher expanded this initial focus to examine broader systemic factors, including hospital preparedness effects on postoperative mortality and global variations in out-of-pocket payments for cancer surgery. This progression indicates a sustained effort to understand the multifaceted impact of the pandemic on surgical care delivery and economics.

The significance of this contribution is evidenced by the core paper's 175 citations. Notably, 97.6% of the citing papers are from independent researchers, indicating that the work has been widely adopted and utilized by the broader scientific community beyond the researcher's immediate circle. This high level of independent uptake underscores the utility and impact of the initial modeling framework.

INDEPENDENT CITATIONS FOR THIS CONTRIBUTION: 73

#### CORE PAPER

### **SARS-CoV-2 vaccination modelling for safe surgery to save lives: data from an international prospective cohort study**

2021 · British Journal of Surgery 108 (9), 1056-1063, 2021 · 175 citations (GS)

Field-normalised: 103 Semantic Scholar citations place it in the top 5% of Medicine papers from 2021 indexed by Semantic Scholar, by citation count.

No.	Citing paper	Citing institution(s)	Country	S2
1	<a href="#">Timing of elective surgery and risk assessment after SARS-CoV-2 infection: an update: A multidisciplinary consensus statement on behalf of the Association of Anaesthetists, Centre for Perioperative Care, Federation of Surgical Specialty Associations, Royal College of Anaesthetists, Royal College of Surgeons of England.</a>	Bristol Dental School, Eastbourne Hospital, Health Services Research Centre	United Kingdom	—
2	<a href="#">Impact of Coronavirus Disease (COVID)-19 on the Indigenous Population of Brazil: A Systematic Review</a>	—	—	—
3	<a href="#">Prophylactic anticoagulants for non-hospitalised people with COVID-19</a>	—	—	—
4	<a href="#">Preoperative SARS-CoV-2 infection increases risk of early postoperative cardiovascular complications following noncardiac surgery</a>	—	—	—
5	<a href="#">Timing of surgery and 1-year postoperative outcomes in patients with breast cancer and preoperative COVID-19 history: A matched, longitudinal, ambidirectional...</a>	Fujian Medical University Union Hospital	China	—
6	<a href="#">Impact of the COVID-19 pandemic on short-term outcomes after pancreaticoduodenec-</a>	Hokkaido University Hospital, Keio University School	Japan	Background

No.	Citing paper	Citing institution(s)	Country	S2
	<a href="#">tomy for pancreatic cancer: A retrospective study from the Japanese National ...</a>	of Medicine, Kochi Medical School		
7	<a href="#">Characterization of the Epidemiological Profile of Patients With Parkinson's Disease Who Were Hospitalized due to SARS-CoV-2 Infection: A Portrait of 4 Years of the ...</a>	São Francisco University	Brazil	—
8	<a href="#">Pulmonary and functional hallmarks after SARS-CoV-2 infection across three WHO severity level-groups: an observational study</a>	São Francisco University, University of Campinas	Brazil	—
9	<a href="#">Vaccination Coverage Against Coronavirus Disease 2019 in People Living on Quilombos in Brazil and Its Association With the Human Development Index and the ...</a>	São Francisco University	Brazil	—
10	<a href="#">Evaluating possible mechanisms linking obesity to COVID-19: a narrative review</a>	Masih Daneshvari Hospital, National Research Institute of Tuberculosis and Lung Diseases, Shahid Beheshti University of Medical Sciences	Iran	—
11	<a href="#">COVID-19 in the perioperative setting: A review of the literature and the clinical landscape</a>	Oregon Health & Science University	United States	—
12	<a href="#">Staged acute mesenteric and peripheral ischemia treatment in COVID-19 patient: case report</a>	Azienda Ospedaliera Universitaria Policlinico Paolo Giaccone, University of Palermo	Italy	—
13	<a href="#">Epidemiological profile of hospitalized patients with cystic fibrosis in Brazil due to severe acute respiratory infection during the COVID-19 pandemic and a ...</a>	Universidade São Francisco	Brazil	—
14	<a href="#">Safe surgery during the COVID-19 pandemic</a>	Elisabeth-TweeSteden Hospital, Emek Medical Centre, Imperial College London	Germany, Israel, Italy	—
15	<a href="#">Epidemiological profile and risk factors associated with death in patients receiving invasive mechanical ventilation in an adult intensive care unit from Brazil: a ...</a>	São Francisco University	Brazil	—
16	<a href="#">Experimental assessment of cuff pressures on the walls of a trachea-like model using force sensing resistors: insights for patient management in intensive ...</a>	Azienda Ospedaliera Universitaria Pisana, Istituto di Scienza e Tecnologie dell'Informazione, Scuola Superiore Sant'Anna	Italy	—
17	<a href="#">Thromboembolic complications of SARS-CoV-2 and metabolic derangements: suggestions from clinical practice evidence to causative agents</a>	Agostino Gemelli University Polyclinic, Centre Cardiologique du Nord, Golden Jubilee National Hospital	France, Italy, United Kingdom	—
18	<a href="#">Variations in clinical course and surgical outcomes of acute appendicitis during COVID-19 Pandemic: a multicenter cohort study</a>	Fundación Santa Fé de Bogotá, Fundación Universitaria Juan N. Corpas, Pontificia Universidad Javeriana	Colombia	—

No.	Citing paper	Citing institution(s)	Country	S2
19	<a href="#">Omicron, long-COVID, and the safety of elective surgery for adults and children: joint guidance from the Therapeutics and Guidelines Committee of the Surgical ...</a>	Alberta Health Services, Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, University of Calgary	Canada, United States	—
20	<a href="#">Surgical triage and timing for patients with coronavirus disease: a guidance statement from the Society of Thoracic Surgeons</a>	Baylor College of Medicine, Centre Hospitalier de l'Université de Montréal, Johns Hopkins University	Canada, Germany, United States	—
21	<a href="#">When to operate after SARS-CoV-2 infection? A review on the recent consensus recommendation of the DGC/BDC and the DGAI/BDA</a>	University Hospital of Giessen, University Hospital of Heidelberg	Germany	—
22	<a href="#">COVID-19 impact on joint replacement surgery in Australia in 2020: a nationwide perspective</a>	St John of God Hospital Geelong	Australia	—
23	<a href="#">Molecular insights of SARS-CoV-2 antiviral administration: A balance between safety profiles and impact on cardiovascular phenotypes</a>	Aberdeen Royal Infirmary, Centre Cardiologique du Nord, Federico II University Hospital	France, Italy, United Kingdom	—
24	<a href="#">Risk of Early Postoperative Cardiovascular and Cerebrovascular Complication in patients with preoperative COVID-19 undergoing Cancer surgery</a>	Medical College of Wisconsin	United States	—
25	<a href="#">Changes in early postoperative outcomes and complications observed in a single center during the 2022 COVID-19 pandemic wave in China: A single-center ...</a>	Xijing Hospital, Fourth Military Medical University	China	—
26	<a href="#">Timing of surgery and elective perioperative management of patients with previous SARS-CoV-2 infection: a SIAARTI expert consensus statement</a>	ASST Grande Ospedale Metropolitano Niguarda, IRCCS for Oncology and Neuroscience, San Martino Policlinico Hospital, IRCCS Humanitas Research Hospital	Italia, Italy	—
27	<a href="#">Mechanical rotational thrombectomy in long femoropopliteal artery and stent occlusion in COVID-19 patient: Case report</a>	Azienda Ospedaliera Universitaria Policlinico Paolo Giaccone, Ospedale Vincenzo Cervello, University of Palermo	Italy	—
28	<a href="#">Role of academia in enhancing technology and innovation for a post COVID-19 recovery and growth</a>	Obafemi Awolowo University Teaching Hospitals Complex	Nigeria	—
29	<a href="#">Viral Infection, COVID-19 in pregnancy and lactating women: What is known?</a>	University of Campania "Luigi Vanvitelli"	Italy	—
30	<a href="#">Impact of Omicron variant infection on the liver, kidney, and coagulation system in patients undergoing elective surgery: a retrospective case-control study</a>	Army Medical University	China	—

Showing the 30 most-cited of 73 independent citing papers.

Independent citing papers only; self- and co-author citations excluded. The S2 column carries Semantic Scholar's read of each citation — *Methodology / Result* (the citing work used the method or built on the finding — the “built on / relied upon” pattern the AAO credits), *Influential* (S2's isInfluential signal, Valenzuela et al. 2015), or *Background* (a passing mention).

#### FOLLOW-UP WORK

### [30-day postoperative mortality and the effects of hospital preparedness during the COVID-19 pandemic: a pooled analysis of prospective international cohort studies](#)

2026 · The Lancet Regional Health–Europe 62, 2026 · 2 citations (GS)

Field-normalised: 2 Semantic Scholar citations place it in the top 10% of Medicine papers from 2026 indexed by Semantic Scholar, by citation count.

No independent citing papers resolved for this paper in the current crawl.

#### FOLLOW-UP WORK

### [Global Variation in Out-of-Pocket Payments for Cancer Surgery](#)

2025 · World journal of surgery 49 (8), 2207-2216, 2025 · 1 citations (GS)

No independent citing papers resolved for this paper in the current crawl.

## D. Citing-Institution Prestige & Geography

### Top citing institutions

Institution	Country	World ranking	Citing papers
University of Oxford	United Kingdom	SCImago #26 · THE 1 · QS 4	37
University of Birmingham	United Kingdom	SCImago #369 · THE =98 · QS 76	28
University of Cauca	Colombia	THE 1501+	27
University of Edinburgh	United Kingdom	SCImago #182 · THE 29 · QS 34	19
Pontificia Universidad Javeriana	Colombia	SCImago #4094 · THE 1501+ · QS =371	18
Mansoura University	Egypt	SCImago #2314 · THE 801–1000 · QS 1001-1200	14
Universidad de Antioquia	Colombia	SCImago #2843 · THE 1201–1500 · QS 781-790	13
University of Liverpool	United Kingdom	SCImago #413 · THE 143 · QS =147	13
Sapienza University of Rome	Italy	THE =170 · QS 128	11
Imperial College London	United Kingdom	SCImago #69 · THE 8 · QS 2	11
University of Toronto	Canada	SCImago #39 · THE 21 · QS 29	10
Universidade Federal de São Paulo	Brazil	SCImago #2777 · THE 801–1000 · QS 801-850	9
University of Alberta	Canada	SCImago #262 · THE 119 · QS =94	9
University of Milan	Italy	THE 301–350 · QS =276	9
Ministry of Health	Sierra Leone	SCImago #1650	9

### Geographic distribution of citing authors

Country	Citing papers
United States	261
United Kingdom	192
China	139
Colombia	109
Italy	109
Germany	90
Canada	87
Australia	73
Spain	68
India	60
Brazil	53
France	46

Citing-institution prestige and the spread of citing countries speak to recognition **beyond the scholar's own institution and circle** – the dispersion the AAO looks for. World rankings (SCImago / THE / QS) are context, not a stand-alone criterion: the AAO does not treat a citing institution's rank as probative on its own.

## F. AAO Precedent Considerations

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### Pre-filing self-check (AAO denial patterns)

The AAO non-precedent decisions reject citation evidence on a small set of recurring grounds. Confirm the petition addresses each before filing:

- Self-citations are disclosed and netted out – a Google Scholar total alone is faulted (§1.1).
- Evidence is per individual article, not a body-of-work aggregate total (§1.2).
- The petition articulates why the citations show major significance – numbers never stand alone (§1.5).
- For the strongest papers, citation content shows the work was built on / relied upon, not just listed (§1.6, §2.2).
- Co-author / collaborator citations are identified and not counted as independent (§1.7).
- Recognition is shown beyond the scholar's own institution and circle (§1.8).
- Every citation figure is snapshotted as of the filing date; post-filing citations are excluded (§1.9).
- Journal impact factor / downloads are not relied on as proxies for article significance (§1.10, §1.12).
- For large-collaboration papers, the scholar's specific role is documented (§1.13).
- Aggregate totals / h-index / field-relative rates are placed in a clearly-labelled final-merits section, per Kazarian (§3, §6.1.7).

#### Disclaimer

The AAO decisions referenced here are **non-precedent** – persuasive illustrations of how USCIS reasons, not binding law. This report is a drafting aid produced from public citation data; it is not legal advice and does not assess the petition's merits. All analysis must be reviewed by qualified immigration counsel.

## G. Citation Evidence Index

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Cross-reference of each contribution to the regulatory criterion it supports. Counsel should map these to the petition's exhibit numbers.

<b>Contribution</b>	<b>Core paper</b>	<b>Indep. cites</b>	<b>Supports</b>
Contribution 1	Delaying surgery for patients with a previous SARS-CoV-2 infection	496	8 CFR 204.5(h)(3)(v) – Criterion 5
Contribution 2	Effect of COVID-19 pandemic lockdowns on planned cancer surgery for 15 tumour types in 61 countries: an international, prospective, cohort study	211	8 CFR 204.5(h)(3)(v) – Criterion 5
Contribution 3	SARS-CoV-2 vaccination modelling for safe surgery to save lives: data from an international prospective cohort study	73	8 CFR 204.5(h)(3)(v) – Criterion 5