

Library Update

No.6, 3rd July, 2023

COVID-19 and Coronavirus resources

EPPI Centre Evidence for Policy & Practice: Resources relating to Covid-19

[This list of resources](#) was compiled during the beginning of the pandemic, and has been updated as new resources have emerged. It aims to help those looking for research on COVID-19, and users should assess for themselves the relevance and reliability of each source.

See the [COVID-19: A living systematic map of the evidence](#), which is partitioned into broad domains: treatment evaluation; transmission/risk/prevalence; diagnosis; health impacts; vaccine development; genetics/biology; case reports (patients); case study-organisation; social/economic/indirect impacts. Read the *Introduction* to get started. Select a *Topic* then *List records* to view the citations.

See also the [Long COVID 'segment'](#) within the living map of COVID-19. See the *About* tab for details on how to use this.

NCBI SARS-CoV-2 Resources

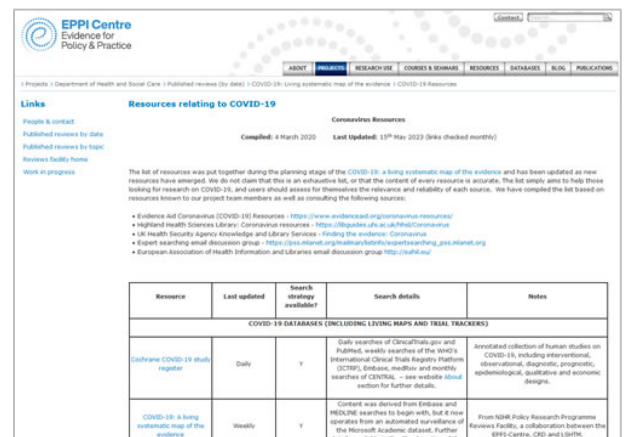
This NLM (National Library of Medicine) [data portal](#) allows you to view articles referencing [SARS-CoV-2 and COVID-19 in PubMed](#), view free full-text content in [PubMed Central \(PMC\)](#), and access SARS-CoV-2 sequence resources or explore the data. This resource will be replaced with [SARS-CoV-2 Data Hub](#) from 1st August, 2023.

See [LitCovid](#), a literature hub for tracking up-to-date scientific information about the 2019 novel Coronavirus. It is the most comprehensive resource on the subject, providing access to 350,000+ relevant articles in PubMed. The articles are updated daily and are further categorized by different research topics (e.g. transmission) and geographic locations. See the [FAQ](#) for details.

Also see clinical studies registered in [ClinicalTrials.gov](#).

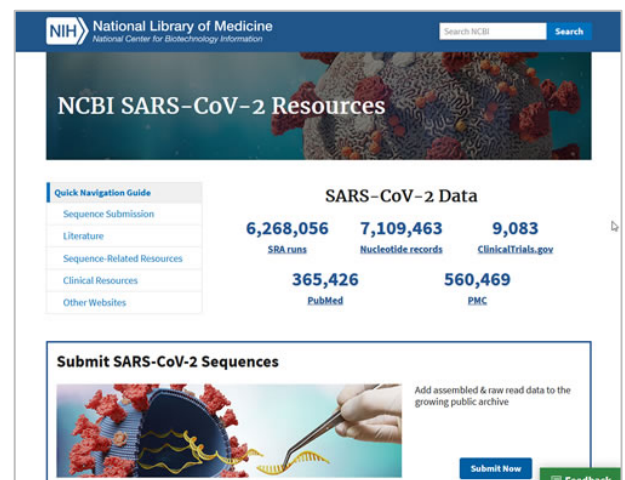
WHO COVID-19 Research Database

The global literature cited in the [WHO COVID-19 Research Database](#) is updated weekly from searches of bibliographic databases, hand searching, and the addition of other expert-referred scientific articles. This database represents a comprehensive multilingual source of current literature on the topic. This resource includes the International Clinical Trials Registry Platform (ICTRP).

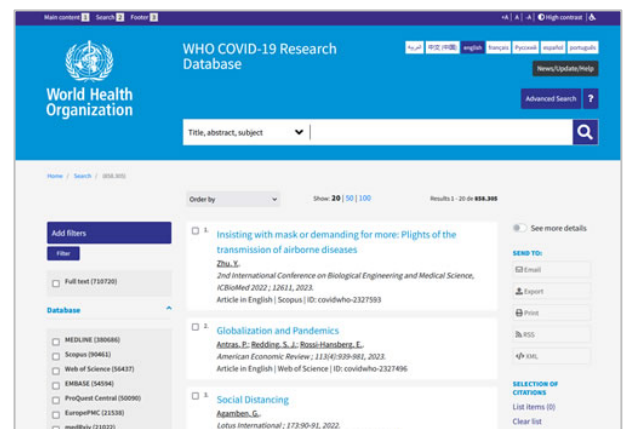


The screenshot shows the EPPI Centre website with a navigation menu and a section titled "Resources relating to COVID-19". It includes a table with columns for Resource, Last updated, Search strategy available?, Search details, and Notes. The table lists several resources, including "Evidence Aid Coronavirus (COVID-19) Resources" and "Highland Health Sciences Library: Coronavirus resources".

Resource	Last updated	Search strategy available?	Search details	Notes
Coronavirus COVID-19 weekly register	Daily	Y	Daily searches of ClinicalTrials.gov and PubMed, weekly searches of the WHO's International Clinical Trials Registry Platform (ICTRP), Medline, medRxiv and weekly searches of CENTRAL – see website About section for further details.	Annotated collection of human studies on COVID-19, including interventional, observational, diagnostic, prognostic, epidemiological, qualitative and economic designs.
COVID-19: A living systematic map of the evidence	Weekly	Y	Content was derived from Embase and MEDLINE searches to begin with, but it now operates from an automated surveillance of the Newcastle Academic database. Further details available at: http://covid19.eppi.ac.uk	From 100% Policy Research Programme Business Facility, a collaboration between the EPPI Centre, CDF and 501H.



The screenshot shows the NCBI SARS-CoV-2 Resources page. It features a "Quick Navigation Guide" with links to Sequence Submission, Literature, Sequence-Related Resources, Clinical Resources, and Other Websites. A "SARS-CoV-2 Data" section displays statistics: 6,268,056 SRA runs, 7,109,463 Nucleotide records, and 9,083 ClinicalTrials.gov records. Below this, there are counts for 365,426 PubMed and 560,469 PMC records. A "Submit SARS-CoV-2 Sequences" section includes a "Submit Now" button and a "Feedback" button.



The screenshot shows the WHO COVID-19 Research Database search results page. It displays a search bar with the text "Title, abstract, subject" and a search icon. Below the search bar, there are filters for "Add filters" and "Database". The search results are listed in a table with columns for "Order by", "Show 20 / 100", and "Results 1 - 20 of 698,360". The results include articles such as "Insisting with mask or demanding for more: Plights of the transmission of airborne diseases" and "Globalization and Pandemics".

Library Update

Access Library resources from home with OpenAthens

OpenAthens [registration](#) only takes a few minutes. Once you confirm and complete the process it's effective immediately.

Use the links provided at the Library website to search [databases](#), online [books](#), and [journals](#), and log in to OpenAthens when prompted.

Additionally, many resources provided by [Clinicians Health Channel](#) (CHC) have been incorporated into Library content, so OpenAthens provides access to those without the need for a CHC remote access account.

Sounds easy, and it usually is, but sometimes things go wrong. [Contact](#) the Library for help if access is not working for you.



WHO news

Fides: A network of healthcare influencers

As part of its efforts to fight misinformation and increase vaccine acceptance globally, WHO joined forces with healthcare professionals active on social media to build an [online network named Fides](#). We aim to counteract the spread of health-related misinformation on social media and support the public to make informed, evidence-based decisions about their health.

WHO calls for safe and ethical AI for health

WHO is [calling for caution](#) to be exercised in using artificial intelligence (AI) generated large language model tools (LLMs) to protect and promote human well-being, human safety, and autonomy, and preserve public health.

WHO reiterates the importance of applying ethical principles and appropriate governance, as enumerated in [the WHO guidance on the ethics and governance of AI for health](#), when designing, developing, and deploying AI for health.

World health statistics 2023

[The World health statistics report](#) is the annual compilation of health and health-related indicators which has been published by the World Health Organization (WHO) since 2005. The 2023 edition reviews more than 50 health-related indicators from the Sustainable Development Goals (SDGs) and WHO's Thirteenth General Programme of Work (GPW 13).

Health For All Film Festival: winners

See all the [awards winners](#) and special mentions.

Wellbeing and appreciation events

July	Dry July
July 2	NAIDOC Week
July 3	World Meerkat Day
July 9	National Diabetes Week
July 12	Malala Day
July 22	Fragile X Awareness Day
July 23	Stress Down Day
July 23	Donate Life Week
July 24	National Pain Week
July 25	World Drowning Prevention Day
July 28	World Hepatitis Day
July 29	Crazy Hair Day
July 30	International Day of Friendship
July 30	National Tree Day
August 1	MS Readathon
August 1	World Breastfeeding Week

Library Training: July sessions

Charges apply for EndNote sessions only; all other Library training is free.

Nursing & Allied Health	Fri 21 Jul, 12:00 pm
Cochrane Library	Thu 6 Jul, 10:00 am
EndNote Tutorial 1.....	Tue 4 Jul, 10:00 am
EndNote Tutorial 2.....	Tue 11 Jul, 10:00 am
Finding the Evidence	Tue 18 Jul, 10:00 am
Introduction to the Library	Thu 27 Jul, 12:00 pm
Ovid Medline	Thu 13 Jul, 11:00 am
PubMed.....	Mon 17 Jul, 10:00 am

[See the Library website](#)
for full session details

Take our 2-minute survey: *Nature*

Do you read *Nature* journals? [We'd like to know.](#)
Survey ends 31/7/23.

Take the Trip database survey

The folks at Trip would love to know [your thoughts](#) on using Trip and your suggestions for improvement.
Survey available until mid-July.

Library Update

PubMed Tip: proximity searching

You can search PubMed for multiple terms appearing in any order within a specified distance of one another

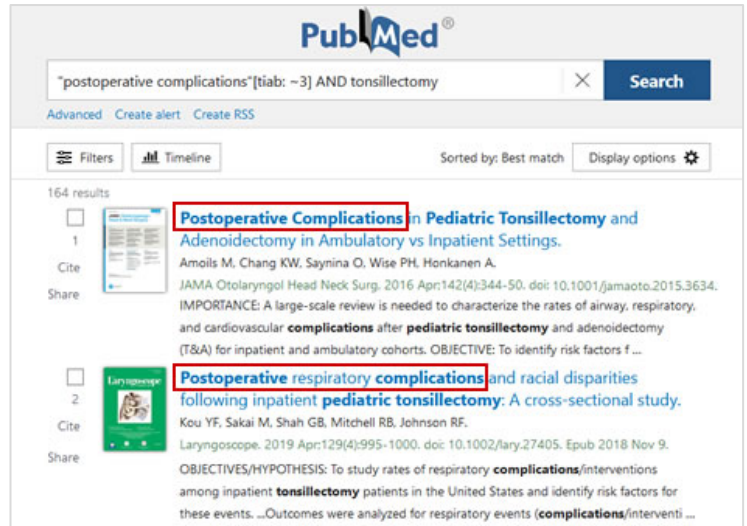
Proximity search adds another useful tool to your search toolkit.

Proximity searching can be particularly helpful when searching for concepts that may be represented in multiple ways, or to capture variations of a phrase.

You'll be using the Title [*ti*] or Title/Abstract [*tiab*] fields along with your search terms.

Format: "search terms"[*field*:~*N*].

- *Search terms* = Two or more words enclosed in double quotes.
- *Field* = the search field tag for the [Title] or [Title/Abstract] fields.
- ~*N* = The maximum number of words that may appear between your search terms.



For more details or to get help

- See [PubMed Search Tips](#) on the Library website
- Download our [Fact Sheet no.14 PubMed: search, save, and manage results](#)
- [Contact us](#)

1000 Library Facts #38: Database search tips

If you are a [Library Update](#) subscriber you might already know that we regularly include short hints and tips on how to effectively search databases such as Ovid, Ebsco, Google Scholar, and PubMed. But you might not know we have compiled these tips all in one place on our website: see [Database search tips](#).



New Aluminations issue

The latest edition of the RCH Alumni newsletter is now available for free download

[This issue](#) highlights Alumni involvement in the Arts, and includes some of the many entries in their "write a story in 6 words" competition. Feature items include:

- Alan Woodward's account of sailing the Southern Ocean
- Jenny Graves' own journey of writing the libretto for a new oratorio, an update to the story of creation from a scientific perspective
- Jim Breheny and Cliff Hosking write about their painting
- Jeff Prebble gets his groove on with his kit
- Elizabeth Loughlin tells of how she integrated dance therapy into Social Work
- Chris Rodda discusses heliotherapy and Vitamin D.



Health and Science News

Sports injury cycle back on track:

The lockdown-induced slump in hospitalisations didn't last long, and worst off are the cyclists – probably because they don't look human.

[\[Medical Republic\]](#)



- **Basic research found to be underfunded in Australia:** Australia is lagging behind similar countries in funding basic research, particularly in the medical, biotechnology and pharmaceutical sectors. [\[LabOnline\]](#)
- **Trust me, I'm a doctor-adjacent entity:** Like it or not, letting an AI learn how to think for itself is a big mistake – I don't care how much easier it makes writing patient notes and referral letters. [\[Medical Republic\]](#)
- **Australia key to immunising one billion kids by 2025:** Australia's contributions to the project helped ensure its Indo-Pacific neighbours shared in vaccine programs. [\[Health Times\]](#)
- **World-first trial for pediatric brain cancer:** An Australian-developed drug could offer hope for children diagnosed with ependymoma. [\[Health Times\]](#)
- **EU council's 'no pay' publishing model draws mixed response:** Some academics have welcomed the proposed open-access plans. But publishing-industry representatives warn they are unrealistic and lack detail. [\[Nature\]](#)
- **The most beautiful sound – of cancer cells dying:** Using stimulated Raman Scattering, laser beams of different colors were projected onto cancer cells at the precise moment of cellular death to capture their molecular vibrations, and those motions were then transcribed into sounds you can hear. [\[themoostbeautifulsound.org\]](#)
- **Unlocking the riddle of REM sleep:** Seven decades have passed since a seminal article first described REM sleep, yet its real essence and function continue to elude us. [\[Medscape\]](#)
- **Bioglue breakthrough:** A nature-inspired adhesive offers hope for wound healing and haemorrhage control. [\[Nature\]](#)

- **The quest for the era of personalised medicine:** The Human Genome Project was supposed to lead to personalised medicine tailored to our DNA. It's finally happening, but it is proving more difficult than anyone could have imagined. [\[BBC\]](#)
- **Ancient giants:** An epic quest to reach the tallest known tree in the Amazon. [\[Nature\]](#)
- **Synthetic human embryos created in groundbreaking advance:** Breakthrough could aid research into genetic disorders but raises serious ethical and legal issues. [\[The Guardian\]](#)
- **AI intensifies fight against 'paper mills' that churn out fake research:** Text- and image-generating tools present a new hurdle for efforts to tackle the growing number of fake papers making their way into the academic literature. [\[Nature\]](#)
- **Gene therapy in the womb is inching closer to reality:** Treatment in utero could cure diseases before birth. Recent advances in lab animals may bring medicine closer to achieving it—but this field is still in its infancy. [\[Wired\]](#)
- **Puberty blockers for young people will only be available as part of clinical research, says NHS England:** NHS England's cites lack of evidence to support their safety or clinical effectiveness. [\[BMJ\]](#)
- **Is it finally time to ban junk food advertising? A new bill could improve kids' health:** Advertising for these foods and drinks would be banned on television, radio and streaming services from 6am to 9.30pm, and banned altogether online and on social media. [\[The Conversation\]](#)

A daytime nap is good for the brain:

Regularly finding time for a little snooze is good for our brain and helps keep it bigger for longer. [\[BBC\]](#)



- **NHS announces new specialist obesity clinics for children:** 10 new clinics are set to open in England. [\[BMJ\]](#)
- **Aspartame - is it a possible cause of cancer?:** The sweetener is found in around 6,000 food products. [\[BBC\]](#)

CAMPUS PUBLICATIONS

Article titles are linked to full text where available, or to information about ordering documents. An [OpenAthens account](#) is required for remote access.

- Adant, I., Yaplito-Lee, J. and Kiss, S.** [Department of Metabolic Medicine, Royal Children's Hospital; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Neonatal presentation of occipital horn syndrome caused by a ATP7A missense variant', [Journal of Inherited Metabolic Disease 2023; Apr 28 \[Epub ahead of print\] \(full text via Document Delivery\)](#)
- Aggarwal, S. and Armstrong, G.** [Centre for Adolescent Health, Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'How, when and where to intervene in self-harm in youth in low- and middle-income countries: thinking beyond healthcare systems', [International Journal of Social Psychiatry 2023; May 10 \[Epub ahead of print\] \(full text via Document Delivery\)](#)
- Akinrinoye, O.O., Labaeka, A.A., Fowobaje, K.R., Graham, H. and Falade, A.G.** [Centre for International Child Health, Royal Children's Hospital; Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Low mortality among under-5 children with severe community-acquired pneumonia: a 5-year retrospective analysis of 588 admissions in Ibadan, Nigeria', [Journal of Pediatric Infectious Diseases 2022; vol.18\(3\), pp.153-162](#)
- Alarcon-Martinez, T., Huntingford, S., Harris, A., Morris, R., Boland, R. and Stewart, M.** [Paediatric Infant Perinatal Emergency Retrieval, Royal Children's Hospital; Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Temperature control during therapeutic hypothermia in neonatal transport', [Journal of Paediatrics and Child Health 2023; vol.59\(Suppl. 1\), pp.57](#)
- Alda, M.G., Holberton, J., MacDonald, T. and Charlton, J.K.** [Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Small for gestational age at preterm birth identifies adverse neonatal outcomes more reliably than antenatal suspicion of fetal growth restriction', [Journal of Paediatrics and Child Health 2023; vol.59\(Suppl. 1\), pp.57-58](#)
- Amarasekera, S.S.C., Hock, D.H., Lake, N.J., Calvo, S.E., Grønberg, S.W., Krzesinski, E.I., Amor, D.J., Fahey, M.C., Simons, C., Wibrand, F., Mootha, V.K., Lek, M., Lunke, S., Stark, Z., Østergaard, E., Christodoulou, J., Thorburn, D.R., Stroud, D.A. and Compton, A.G.** [Victorian Clinical Genetics Services, Murdoch Children's Research Institute; Royal Children's Hospital; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Multi-omics identifies large mitoribosomal subunit instability caused by pathogenic MRPL39 variants as a cause of pediatric onset mitochondrial disease', [Human Molecular Genetics 2023; May 3 \[Epub ahead of print\]](#)
- Anderson, J., Bender, G., Minh Thang, C., Quang Thanh, L., Thi Trang Dai, V., Van Thanh, P., Thi Hong Nhu, B., Ngoc Xuan Trang, D., Thi Phuong Trinh, P., Vu Thuong, N., Trong Toan, N., Mulholland, K., Pellicci, D.G., Anh Ha Do, L. and Licciardi, P.V.** [Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'TLR responses in preterm and term infant cord blood mononuclear cells', [Pathogens 2023; vol.12\(4\), article no. 596](#)
- Anderson, J., Jalali, S., Licciardi, P.V. and Pellicci, D.G.** [Cellular Immunology, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'OMIP-91: a 27-color flow cytometry panel to evaluate the phenotype and function of human conventional and unconventional T-cells', [Cytometry Part A 2023; May 14 \[Epub ahead of print\]](#)
- Arkell, K., Gyngell, C., Stark, Z. and Vears, D.F.** [Biomedical Ethics Research Group, Victorian Clinical Genetics Services, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Rapid genomic testing in intensive care: health professionals' perspectives on ethical challenges', [Children 2023; vol.10\(5\), article no. 824](#)

Library Update

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- Babl, F.E. and Babl, M.P.** [Emergency Department, Royal Children's Hospital; Clinical Sciences, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Generative artificial intelligence: can ChatGPT write a quality abstract?', [Emergency Medicine Australasia 2023; \[Epub ahead of print\]](#)
- Bakhshalizadeh, S., Hock, D.H., Siddall, N.A., Kline, B.L., Sreenivasan, R., Bell, K.M., Casagrande, F., Kamalanathan, S., Sahoo, J., Narayanan, N., Naik, D., Suryadevara, V., Compton, A.G., Amarasekera, S.S.C., Kapoor, R., Jaillard, S., Simpson, A., Robevska, G., van den Bergen, J., Pachernegg, S., Ayers, K.L., Thorburn, D.R., Stroud, D.A., Hime, G.R., Sinclair, A.H. and Tucker, E.J.** [Department of Bioinformatics, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne; Victorian Clinical Genetics Services, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Deficiency of the mitochondrial ribosomal subunit, MRPL50, causes autosomal recessive syndromic premature ovarian insufficiency', [Human Genetics 2023; May 6 \[Epub ahead of print\]](#)
- Bart, A., Hall, G.A. and Gillam, L.** [Children's Bioethics Centre, Royal Children's Hospital; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Gillick competence: an inadequate guide to the ethics of involving adolescents in decision-making', [Journal of Medical Ethics 2023; May 11 \[Epub ahead of print\]](#)
- Bayer, J.K., Prendergast, L.A., Brown, A., Bretherton, L., Hiscock, H., Nelson-Lowe, M., Gilbertson, T., Noone, K., Bischof, N., Beechey, C., Muliadi, F., Mihalopoulos, C. and Rapee, R.M.** [Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne; Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Prediction of clinical anxious and depressive problems in mid childhood amongst temperamentally inhibited preschool children: a population study', [European Child and Adolescent Psychiatry 2023; vol.32\(2\), pp.267-281](#)
- Benn, C.S., Amenyogbe, N., Björkman, A., Domínguez-Andrés, J., Fish, E.N., Flanagan, K.L., Klein, S.L., Kollmann, T.R., Kyvik, K.O., Netea, M.G., Rod, N.H., Schaltz-Buchholzer, F., Shann, F., Selin, L., Thyssen, S.M. and Aaby, P.** [Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Implications of non-specific effects for testing, approving, and regulating vaccines', [Drug Safety 2023; vol.46\(5\), pp.439-448](#)
- Betensky, M., Monagle, P., Male, C. and Goldenberg, N.A.** [Department of Clinical Haematology, Royal Children's Hospital; Haematology Research, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'What did we learn (and did not learn) from the pediatric direct oral anticoagulant trials, and how might we better design pediatric anticoagulant trials in the future?', [Research and Practice in Thrombosis and Haemostasis 2023; vol.7\(3\), article no. 100140](#)
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- Brew, K., Heerde, J., Price, A. and McLean, K.** [Population Health, Centre for Adolescent Health, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne; Centre for Community Child Health, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Housing support in pregnancy: a systematic review of

Library Update

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Library Update

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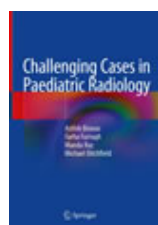
[Supervision matters: the complete guide to reflective supervision for health and social science](#) / Margaret Morrell. Margaret Morrell & Associates, Ltd., 2017



Margaret Morrell's step-by-step reflective supervision guides have been widely acclaimed for providing easily-read, straightforward and practical information for supervisors and supervisees. There are 6 guides in this set.

[online]

[Challenging cases in paediatric radiology](#) / Asthik Biswas ... [et al.]. Springer, 2022



The book covers challenging clinical radiological cases spanning the central nervous system, respiratory and cardiovascular systems, gastrointestinal system, genitourinary system, musculoskeletal system, as well as multi-organ cases in paediatric patients.

Each case includes pathognomonic images followed by a quiz to test the reader and a discussion of the case with a focus on key diagnostic features to help the reader recognise the case in working and examination environments. It combines the expertise of radiology consultants and trainees in order to provide pertinent information conducive to better clinical practice and focused specialty exam preparation in paediatric radiology.

[online]

[Children with special needs: an overview of knowledge on disability](#) / edited by Ulrika Hallberg, Gunilla Klingberg. Springer, 2023



This book provides an overview of knowledge and literature review of children and adolescents with special care needs that contribute to the respect and understanding of children with disabilities and their families.

It also explains possible reasons for different outcomes in research studies and why there is a lack of knowledge in some areas concerning these children.

This book presents international research in the field for people who work with children with disabilities and their families. The authors provide a broad picture of the background, reality of life, opportunities for professional help and support, as well as outlook of these children and families.

[online]

[Fundamentals of pediatric surgery](#) / edited by Peter Mattei. 3rd ed. Springer, 2022



This edition maintains the easy-to-read "this is how I do it" style of writing of previous editions. Each chapter is written by an expert in the field, supplemented with illustrations and photographs. Each is also enhanced with editor's comments, suggested readings and references, case studies, and sample questions. This text will continue to be the most comprehensive, up-to-date, and easily accessible pediatric surgery text of its kind, written in a concise and direct style that covers indications, alternatives, anticipated benefits, and potential pitfalls of every pediatric surgical condition and operation and supported by the latest research published in the current literature.

[online]

[How can we use simulation to improve competencies in nursing?](#) / edited by Iben Akselbo, Ingvild Aune. Springer, 2023



This open access book offers an overview of theories related to simulation and describes different simulation areas within nursing. It illustrates how simulation may be used in different levels in professional education. The book deals with the role of the Simulation Facilitator, peer learning and the use of Virtual Reality in simulation. It provides new insights and paths to the development of the use of simulation within nursing and healthcare and contributes with new knowledge from research and experiences of implementation of different simulating scenarios within nursing and midwifery.

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[Intelligent systems in medicine and health: the role of AI](#) / edited by Trevor A. Cohen, Vimla L. Patel, Edward H. Shortliffe. Springer, 2022



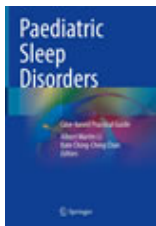
This textbook comprehensively covers the latest state-of-the-art methods and applications of artificial intelligence (AI) in medicine, placing these developments into a historical context. Factors that assist or hinder a particular technique to improve patient care from a cognitive informatics perspective are identified and relevant methods and clinical applications in areas including translational bioinformatics and precision medicine are discussed. Topics covered include: knowledge-based systems; clinical cognition; machine learning and natural language processing. Suggested additional readings and review questions reinforce the key points covered and ensure readers can further develop their knowledge.

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[Paediatric sleep disorders: case-based practical guide](#)

/ edited by Albert Martin Li, Kate Ching-Ching Chan. Springer, 2024



This book aims to provide updated information on the diagnosis and management of common sleep disorders in children. An overview of sleep physiology and sleep disorders evaluation is followed by an in-depth discussion with illustrative case examples

of the most frequent sleep disorders encountered in children. A section on sleep disorders in children with neuromuscular and developmental diseases has also been included.

[online]

[Paediatric cancer therapeutics development](#)

/ edited by Jorge DiMartino, Gregory H. Reaman, Franklin O. Smith. Springer, 2023



This book provides a comprehensive overview of the scientific, medical, regulatory, and economic considerations associated with the discovery, development, and delivery of novel therapeutics for children with cancer.

It describes the steps in the process from the identification of a promising therapeutic target to the evaluation of drug candidates in the various phases of clinical testing and regulatory review. Throughout, special emphasis is placed on the unique biology of pediatric malignancies and the medical and social needs of children and their families.

[online]

[Paediatric neurogastroenterology: gastrointestinal motility and functional disorders in children](#)

/ edited by Christophe Faure, Nikhil Thapar, Carlo Di Lorenzo. 3rd ed. Springer, 2024



This third edition brings together the latest in research and clinical practice of the expanding field of pediatric neurogastroenterology. In addition to a comprehensive review of the current state of the art, many chapters have been significantly revised and updated, covering

the latest discoveries of the delicate and detailed mechanisms of the neuroenteric system as well as relationships of the latter with microbiota and metabolites produced by resident intestinal bacteria.

The book also covers rapidly-changing techniques to assess clinical problems, along with international diagnostic criteria and recommendations and guidelines for clinical management. The content is supported by figures, photographs and selected video segments.

[online]

[Pediatric surgery: diagnosis and management](#)

/ edited by Prem Puri, Michael E. Höllwarth. Springer, 2023



This comprehensive book provides detailed practical advice on the diagnosis and surgical management of congenital and acquired conditions in infants and children. The new edition has been updated to reflect the major developments in the field of the past decade. Advances in prenatal diagnosis, imaging, anaesthesia and intensive care as well as the introduction of new surgical techniques, including minimally invasive surgery and robotic technology that have radically altered surgical conditions are now discussed in the book. New chapters have been added on surgical safety in children, surgical problems of children with disabilities and surgical implications of HIV infection in children among others.

[online]

[Textbook of SARS-CoV-2 and COVID-19](#)

/ by Subramani Mani. Elsevier, 2024



Written by physicians and scientists with expertise in this evolving area, this book provides a coherent, readable, and clinically relevant review of the biology, epidemiology, pathophysiology, immunology, clinical features, current treatment, and prevention strategies for

the SARS-CoV-2 virus. Using both a systemic and topic-based approach, it summarizes and clarifies the extensive literature published on SARS-CoV-2 and COVID-19, includes a comprehensive bibliography, and provides answers to clinical questions at the point of care from multiple specialty perspectives.

[online]

[Trends of artificial intelligence and big data for e-health](#)

/ edited by Houneida Sakly ... [et al.] Springer, 2022



This book aims to present the impact of Artificial Intelligence (AI) and Big Data in healthcare for medical decision making and data analysis in myriad fields including radiology, radiomics, radiogenomics, oncology, pharmacology, COVID-19 prognosis, cardiac imaging, neuroradiology, psychiatry and others. It includes topics such as Artificial

Intelligence of Things (AIOT), Explainable Artificial Intelligence (XAI), Distributed learning, Blockchain of Internet of Things (BIOT), Cybersecurity, and Internet of (Medical) Things (IoTs). Healthcare providers will learn how to leverage Big Data analytics and AI as methodology for accurate analysis based on their clinical data repositories and clinical decision support.