

# Library Update

No.8, 5<sup>th</sup> September, 2022

## Search filters, clinical queries, hedges, and how to find them

Search filters, sometimes known as clinical queries or hedges, are pre-made search strategies on study design (methodology) or on certain topics that you can include in your search to save time. Filters may be designed to increase sensitivity (recall), or to be precise.

Search filters are database/platform specific.

### Some sources of search filters

#### [CADTH \(Canadian Agency for Drugs and Technologies in Health\)](#)

Filters include: economic. Health technology assessments, health utilities/quality of life, minimally clinically important difference (MCIS).

#### [Health Information Research Unit \(HIRU\), McMaster University](#)

Filters include: therapy, diagnosis, review, prognosis, causation (etiology), economics, cost, clinical prediction guides, qualitative.



*All search filters and all search strategies are compromises, and an assessment of the performance of filters for your own research should always be made<sup>1</sup>*

#### [ISSG \(InterTASC Information Specialists' Sub-Group\) search filters resource](#)

Filters are grouped by study design or focus on certain topics. Examples include: guidelines, health applications (apps), knowledge translation, population group filters (including prehospital/emergency care, pregnancy, sexual minorities, immigrants, indigenous peoples, people with disabilities, ethnic groups), quality of life.

#### [PubMed Clinical Queries](#)

Use to refine PubMed searches on clinical or disease-specific topics.

#### [SIGN \(Scottish Intercollegiate Guidelines Network\)](#)

Search filters on systematic reviews, randomised controlled trials, observational studies, diagnostic studies, economic studies and patient issues.

### Get help with filters

- ▶ See this 10-minute [video from Yale University Library](#) on using filters and hedges.
- ▶ [Contact us](#) for help.

1. The InterTASC Information Specialists' Sub-Group 2022, *ISSG Search Filter Resource*, accessed 18 August 2022, <https://sites.google.com/a/york.ac.uk/issg-search-filters-resource/home>

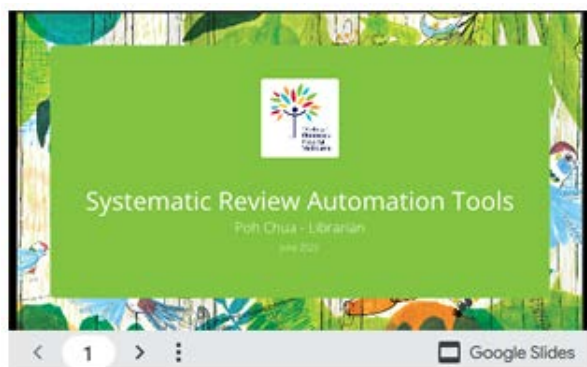
# Library Update

## New on the Library website: Systematic review automation tools review

Systematic reviews can be tedious and time-consuming. Automation tools can assist in speeding up the process, as shown [by Clark et al \(2020\)](#) who completed a full systematic review in just two weeks.

Some of the tools used in that paper are [described in our slideshow](#) on the Library website.

[Contact us](#) for help using these tools.



## Featured podcast: what's next for the preprint revolution

In this first episode of *Nature's* new podcast series, four *Nature* staffers gather around the microphone to give their expert take on preprints.

The number of these pre-peer-review open-access articles has spiked in recent years, and they have cemented themselves as an integral part of scientific publishing.

Could preprints help democratize science, or will their continued popularity contribute to a loss of trust in scientists? Our experts tackle these issues, and ask what the future holds for preprints.

[Listen now.](#)



## Wellbeing and appreciation events

2022 – [International Year of Basic Sciences](#)  
or [Sustainable Development](#)

September – [Childhood Cancer Awareness Month](#)

September 1 – [National Asthma Week](#)

September 4 – [National Child Protection Week](#)

September 5 – [Women's Health Week](#)

September 7 – [Early Childhood Educators Day](#)

September 7 – [International Day of Clean Air for Blue Skies](#)

September 10 – [International Gynaecological Awareness Day](#)

September 10 – [World Suicide Prevention Day](#)

September 17 – [World Patient Safety Day](#)

September 19 – [Migraine & Headache Awareness Week](#)

September 19 – [National Week of Deaf People](#)

September 19 – [Peer Review Week](#)

September 19 – [Talk Like a Pirate Day](#)

September 28 – [International Day for Universal Access  
to Information](#)

September 29 – [World Heart Day](#)

## Library Training – September dates

Improve your literature searching skills  
at the Library

If you can't make it to the scheduled sessions, [contact us](#) to arrange individual or group sessions at a time that suits you. Charges apply for EndNote sessions only; all other Library training is free.

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

Nursing & Allied Health .....	Mon 19 Sep, 1:00 pm
Cochrane Library .....	Thu 8 Sep, 9:30 am
EndNote Tutorial 1 .....	Wed 7 Sep, 2:30 pm
EndNote Tutorial 2 .....	Wed 14 Sep, 2:30 pm
Finding the Evidence .....	Tue 20 Sep, 11:00 am
Introduction to the Library .....	Fri 23 Sep, 10:00 am
Ovid Medline .....	Fri 16 Sep, 11:00 am
PubMed .....	Fri 23 Sep, 11:00 am

# Library Update

## Cochrane Library: new items

### Access

Select *Cochrane Library* from the library's list of [databases](#), and just start searching.

A registered login allows you to save search histories for future use. Go to *Advanced Search* to log in or register for an account.

### Recently added items

#### New Cochrane Database of Systematic Reviews:

- Anti-IL-5 therapies for asthma. [Read now](#)
- Child protection training for professionals to improve reporting of child abuse and neglect. [Read now](#)
- Different corticosteroids and regimens for accelerating fetal lung maturation for babies at risk of preterm birth. [Read now](#)
- Immunity after COVID-19 vaccination in people with higher risk of compromised immune status: a scoping review. [Read now](#)
- Inhaled antibiotics for pulmonary exacerbations in cystic fibrosis. [Read now](#)
- Interventions to increase COVID-19 vaccine uptake: a scoping review. [Read now](#)
- Physical activity and exercise training in cystic fibrosis. [Read now](#)
- Replacing salt with low-sodium salt substitutes (LSSS) for cardiovascular health in adults, children and pregnant women. [Read now](#)
- School dental screening programmes for oral health. [Read now](#)
- Short-acting inhaled bronchodilators for cystic fibrosis. [Read now](#)
- Stimulant and non-stimulant drug therapy for people with attention deficit hyperactivity disorder and epilepsy. [Read now](#)

## Get help with Cochrane Library

Fact Sheet no.5: [The Cochrane Library](#)

Sign up for [Training at the Library](#)

[Contact](#) the Library

### Protocols:

- Breastfeeding in infants diagnosed with phenylketonuria. [Read now](#)
- Immunosuppressive therapy for IgA nephropathy in children. [Read now](#)
- Interventions to prevent obesity in children aged 5 to 11 years old. [Read now](#)
- Interventions to prevent obesity in children aged 12 to 18 years old. [Read now](#)
- A meta-ethnography of how children and young people with chronic non-cancer pain and their families experience and understand their condition, pain services, and treatments. [Read now](#)
- Mucolytics for children with chronic suppurative lung disease. [Read now](#)
- Non-opioid analgesics for procedural pain in neonates. [Read now](#)
- Topical anti-inflammatory treatments for eczema: network meta-analysis. [Read now](#)

### Withdrawn Protocols:

- Psychological interventions delivered as a single component intervention for children and adolescents with overweight or obesity aged 6 to 17 years. [Read now](#)

## EndNote Tip: Sort your library

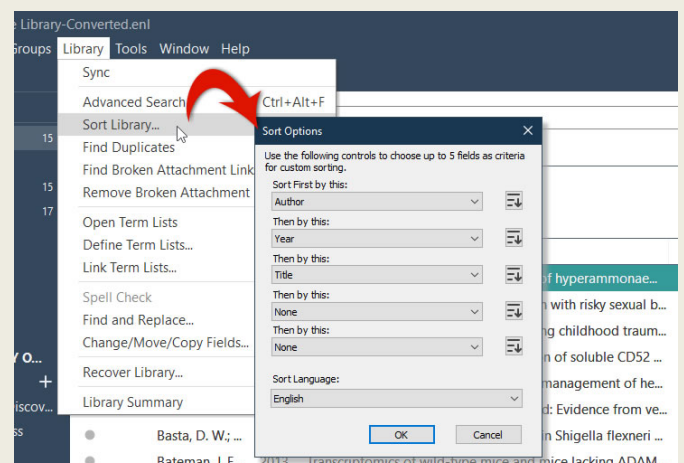
You can click on any column in your EndNote library to sort by that field; click it again to sort in the reverse order.

It's also possible to sort by multiple fields:

1. Go to *Library/Sort Library...*
2. Select up to five labels to sort by

For example, you might sort by Author then by Year to get an overview of that author's output.

See [all EndNote Tips](#) on the Library website.



## AIHW – latest reports

### The Aboriginal and Torres Strait Islander Child Placement Principle indicators

The Aboriginal and Torres Strait Islander Child Placement Principle (ATSICPP) indicators report presents the latest available data to assess progress towards the implementation of the ATSICPP. The ATSICPP aims to reduce the over-representation of Aboriginal and Torres Strait Islander children in the child protection and out-of-home care systems.

[Read the report.](#)

*During 2019–20, 84% of reunified Indigenous children aged 0–16 did not return to out-of-home care within 12 months*

### Acute rheumatic fever and rheumatic heart disease in Australia, 2016–2020

Acute rheumatic fever (ARF) and rheumatic heart disease (RHD) are preventable diseases disproportionately affecting Aboriginal and/or Torres Strait Islander Australians living in regional and remote areas. Prevalence rates were highest in females and young people aged 5–14.



These data highlight the important role of jurisdictional control programs and registers in New South Wales, Queensland, Western Australia, South Australia, and the Northern Territory. [Read the report.](#)

### Australia's hospitals at a glance

Australia's hospitals at a glance provides an overview of the information available on the MyHospitals national reporting platform. It presents summary information about Australia's public and private hospitals across the following themes: Spending on hospitals; Hospitals workforce; Hospital activity; Access to hospitals; and Hospital safety and quality.

This report will be updated with the latest annual hospitals data collections held by the AIHW as they become available. [Read the report.](#)

*In 2020-21, there were 8.8 million presentations to emergency departments – 342.5 presentations per 1,000 population*

### Australia's mothers and babies

The health of both mothers and babies can have important ongoing implications. In 2020, there were 295,976 babies born to 291,712 mothers in Australia.

Explore the characteristics and health of mothers and their babies through interactive data visualisations, and in-depth information and trends on the antenatal period, labour and birth, and outcomes for babies at birth.

This web report also provides information on stillbirths, neonatal and maternal deaths, including causes, maternal characteristics, timing and investigations.

[Read the report.](#)

*6.6% of liveborn babies were low birth weight in 2019*

*More than 30% of perinatal deaths were caused by a congenital anomaly*

### Diabetes: Australian facts

Diabetes: Australian facts provides key information for monitoring diabetes in the Australian population, focussing on diabetes risk factors, major subtypes, treatment and impact. Incidence, prevalence, hospitalisation and mortality are described for each diabetes type, with additional analysis of priority population groups. An interactive data tool allows for further exploration of available data. [Read the report.](#)

*According to the National Diabetes Register (NDR), around 13,000 children and young adults aged 0–19 had type 1 diabetes in 2020 (207 per 100,000 population)*

### Mental health services in Australia

Mental health services in Australia (MHSA) provides a picture of the national response of the health and welfare service system to the mental health care needs of Australians. MHSA is updated progressively throughout each year as data becomes available.

[Read the report.](#)

*Almost 1 in 7 (14%) children and adolescents aged 4–17 years experienced a mental illness in the previous 12 months*

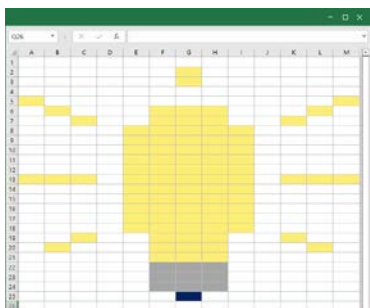


## Health and Science News

### Six tips for better spreadsheets:

Microsoft Excel and Google Sheets are powerful and widely used. But there's a right way and a wrong way to use them, data scientists say.

[[Nature](#)]



- **Should You “Revise and Resubmit”? Probably:** Academics in general seem torn over making revisions in peer review. [[The Scholarly Kitchen](#)]
- **Zoom in: national science week prize puts photography under the microscope - in pictures:** Incredible images from the researchers at the Australian Institute for Bioengineering and Nanotechnology at Queensland University. [[The Guardian](#)]
- **NHS gender identity service to close and be replaced by regional centres:** A multiprofessional review group recommended that young people being considered for hormone treatment should be enrolled into a formal research protocol, with follow-up continuing into adulthood. [[BMJ](#)]
- **Tavistock to face possible clinical negligence claims over gender identity service:** A law firm hopes to bring a group action and has called for former patients of the service, which treats young people with gender dysphoria, to come forward. [[BMJ](#)]
- **Why thinking hard makes us feel tired:** Difficult tasks can lead to build-up of a signalling molecule in the brain, triggering fatigue. [[Nature](#)]
- **Symptoms of childhood ear disease and hearing loss mistaken for misbehaviour:** The study focused on the experiences of caregivers of Aboriginal and Torres Strait Islander children with Otitis Media, revealing the barriers and challenges they face in accessing effective treatment. [[Scimex](#)]
- **4th dose of Pfizer vaccine helps prevent infection among health workers:** The study found that the rate of breakthrough infection was 7% in those who received 4 doses compared to 20% in the group who had only had 3 doses. [[Scimex](#)]
- **Why The BMJ will no longer report on unsubstantiated press releases:** The press release has become the propagandist's tool. Publications must not be pawns in this propaganda game. [[BMJ](#)]
- **Getting more men into nursing means a rethink of gender roles, pay and recognition. But we need them urgently:** It is important to recognise some barriers for men come from within the nursing profession. [[The Conversation](#)]
- **Polio vaccine is offered to all children in London aged 1 to 9 after virus detected in sewage:** Vaccination rates among children are lower in London than in the rest of the country. [[BMJ](#)]
- **Safety of COVID-19 vaccines in over 200,000 Aussie kids: reassuring data from AusVaxSafety:** “Australian data analysed to date are extremely reassuring and side effect rates in children aged 5–11 years are below what has been observed internationally for this age group.”. [[Scimex](#)]
- **Funding increase builds expertise in Aboriginal and Torres Strait Islander health research:** NHMRC to released the 2021 annual report card on Aboriginal and Torres Strait Islander health research funding. [[NHMRC](#)]
- **How much of an impact do standing desks have in the office?:** The researchers say reducing sitting time was also associated with small, but not clinically relevant improvements in stress levels, wellbeing and energy at work. [[Scimex](#)]
- **(UK) Government defends medical student number cap:** In England this year there are 7,500 places. [[BBC](#)]
- **Australia 'miles behind' in healthcare technology, experts say. From PCRs to RATs to breath tests, what will the future of COVID-19 testing look like?:** If investing in training COVID sniffer dogs is an acceptable practice, what should prevent the use of breathalyser devices to detect this and other infectious diseases? [[ABC](#)]
- **Peer Review Week:** Explore the events happening this Peer Review Week, as well as planned resources (i.e., blog posts, infographics, etc.). [[Peer Review Week](#)]
- **PPE can be recycled to make stronger concrete:** Engineers at RMIT University say this will make concrete stronger while providing an innovative way to significantly reduce pandemic-generated waste. [[Scimex](#)]

## The intersection of art and science: Anatomy set in stone

You know your art has taken over your life when you've sacrificed three rooms in your home to it, have installed industrial LED lighting so night-time work is like "working under the sun at noon", and you've had to invent a machine just to frame the life-sized 150kg pieces of it.

[This artist](#) used the National Library of Medicine's [1873 edition of Bartholomeo Eustachi's Tabulae anatomicae](#) as reference material in a mosaic art project after discovering that "minerals and stone dug from the body of the Earth come in exactly the right colors to portray the interior of the human body".



## Clinicians Health Channel (CHC) Evaluation Survey

If you use [CHC resources](#) in your work or study **your input on the CHC Evaluation Survey is invaluable.**

Your feedback will help inform how online clinical resources are delivered to the public health sector in the future.

[Take the survey here.](#) It takes about 15 minutes to complete and your responses are anonymous.

### Which resources are provided by CHC?

You may not be aware that many of the journals and databases you access via the Library website or the RCH intranet are provided by CHC.

Here are just a few: **AMH; JAMA journals; MIMS and other drug resources; MJA; Ovid databases such as Medline, Embase and PsycINFO; The Lancet; Therapeutic Guidelines.**

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

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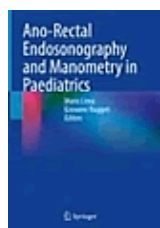
[Talley and O'Connor's Examination: a guide to physician training](#) / Nicholas J. Talley and Simon O'Connor. 9th ed. Elsevier Australia, 2021



This text has prepared generations of physician trainees and medical students for their clinical examinations. Instructive, informative and aligned with current practice, this ninth edition gives you an overview of what to expect, what is expected of you and how to develop a mature clinical approach to complex medical problems.

[online]

[Ano-rectal endosonography and manometry in paediatrics](#) / edited by Mario Lima, Giovanni Ruggeri. Springer, 2022.



This book brings together lessons learned in the clinical use of anorectal endosonography and manometry in paediatrics. In contrast to adult medicine, where they are virtually indispensable for specialists dealing with colo-proctology, in paediatrics endoanal ultrasound and anorectal manometry are still the prerogative of very few international centres.

This book collects the results of a Workshop organised at the Paediatric Surgery Unit of Bologna, entitled "International Seminar on Endosonography and Anorectal Manometry in Paediatrics", and presents contributions from leading European experts. Focusing on the paediatric age group, this volume fills a gap in the paediatric gastroenterology literature, and will benefit all specialists wishing to use these methods in the management and treatment of common clinical problems, e.g. chronic constipation.

[online]

[Avoiding common errors in pediatric emergency medicine](#) / Dale P. Woolridge ... [et al.]. Wolters Kluwer, 2021



This book discusses almost two hundred errors commonly made in the practice of pediatric emergency medicine and gives practical, easy-to-remember tips for avoiding these pitfalls. *Avoiding common errors in pediatric emergency medicine* offers brief, approachable, evidence-based chapters suitable for reading immediately before the start of a rotation, for quick reference on call, or daily for personal assessment and review.

[online]

[Fleisher & Ludwig's 5-minute pediatric emergency medicine consult](#) / edited by Robert J. Hoffman ... [et al.]. 2<sup>nd</sup> ed. Lippincott Williams & Wilkins, 2019



Long considered the gold standard comprehensive reference for diagnosing and managing emergent health issues in children, *Fleisher & Ludwig's Textbook of Pediatric Emergency Medicine* is an essential resource for clinicians at all levels of training and experience. The revised eighth edition has been updated from cover to cover, providing practical, evidence-based content to help you meet any clinical challenge in the emergency care of pediatric patients. It includes new chapters on clinical pathways, clinical decision and support, multidisciplinary teamwork, and the importance of humanism in emergency medicine.

[online]

[Liver disease in adolescence](#) / edited by Nedim Hadzic, Marianne Samyn. Springer, 2022



This book discusses the clinical management of adolescents with liver disease bridging the gap between pediatric and adult hepatology patient management. Expert views on liver disease in adolescence are discussed and specific differences for this patient subset are highlighted and examined in depth. Information is presented in a manner relevant to clinical practice, and is fully up-to-date in terms of development and integration of new communication technologies in the society.

This book offers a fresh insight to this transitional period which will be a great benefit to hepatologists both in pediatric and adult setting. Edited by two experts in the field and authored by international experts in the area using a multidisciplinary approach, this book is a helpful tool in managing these complex patients and will help minimise their complication rates and improve outcomes by the end of their transition periods.

[online]

[A New holistic-evolutive approach to pediatric palliative care](#) / edited by Carlo V. Bellieni. Springer, 2022



This book illustrates why a holistic approach is important in Pediatric Palliative Care (PPC). Each child/parent has a different experience of illness and a different path to recovery that is influenced by their age, gender, culture, but also by the state of their grief. To take



# Library Update

care of them, we need to know the state of the subjects we are dealing with throughout their evolution in age (children) and in sorrow (both children and parents).

This book also teaches a new insight on the word "ethics": not a series of principles or norms, but an approach based on humanistic virtues. This ethical approach is explained to caregivers in a practical mode, ready for clinical exigencies. This book is also unique because it demonstrates that PPC also involves the true care of caregivers. It will explain how to approach, measure and overcome caregivers' burn-out. Special attention is devoted to the approach to babies' and children's pharmacological and non-pharmacological analgesia and sedation.

This text includes perinatal and neonatal PPC. The book will be of valuable support to all those intensivists, paediatricians, nurses, psychologists, physiotherapists and healthcare professionals working in PPC units.

[online]

[Pediatric and adult anesthesiology simulation education: a curriculum for residents](#) / edited by Claire Sampankanpanich Soria, Suraj Trivedi. Springer, 2022



This book helps prepare anaesthesiology residents for safe practice of pediatric anaesthesia. It features 26 index cases, which are classic clinical scenarios - all covering a spectrum of pediatric anaesthesia, neuro-anaesthesia, cardiac anaesthesia, regional anaesthesia, and anaesthesia and critical care medicine.

Chapters are divided into case-based formats with each chapter containing a scenario layout, useful equipment, major teaching points for an after simulation debrief, and a learner evaluation form. This tiered education method will assist learners in working through essential team building skills, increasing their knowledge base and finally having concrete items in which to further their professional skills.

Each chapter starts with a learning objective and presents the simulation case before launching into the case progression, detailing how the simulated patient's vital signs, physical exam findings, and clinical picture change over the course of the simulation. They are concluded with a master checklist of items the learner should accomplish during the course of the simulation along with a section summary and important teaching points.

*Pediatric and Adult Anaesthesiology Simulation Education* is designed to be used by both academic programs and private practice groups. It is beneficial to anaesthesiology residents who are currently in training as well as those who have recently graduated and are preparing for board exams.

[online]

[Pediatric dentistry](#) / edited by Nikolaos Kotsanos, Haim Sarnat, Kitae Park. Springer, 2022



This textbook provides dental practitioners and students with all the knowledge required in order to treat optimally the oral conditions encountered in children and adolescents and to offer appropriate guidance on subsequent oral health self-care.

The opening chapters are designed to assist readers in providing empathic care on the basis of a sound understanding of the processes of physical and psychological maturation. The use of sedation and anesthesia is then discussed, followed by detailed information on such key topics as tooth eruption and shedding, preventive and interceptive orthodontics, and control of dental caries. Restoration procedures and pulp treatment necessitated by dental caries, trauma and/or developmental anomalies are clearly described, with reference to relevant advances in dental technology and materials.

Subsequent chapters focus on conditions compromising dental or general oral health in the pediatric age group, such as periodontal diseases, dental wear, dental anomalies, TMJ disorders, and soft tissue lesions. The book concludes by examining treatment approaches in children and adolescents with disabilities, syndromes, chronic diseases, craniofacial abnormalities, and generally advocating children centered dentistry as it affects their quality of life.

[online]

[Pediatric diagnostic labs for primary care: an evidence-based approach](#) / edited by Rita Marie John. Springer, 2022



This textbook helps nurses, physician assistants, medical students and residents to order appropriate tests and understand how to interpret them to improve their diagnostic reasoning. Children are not like adults, and interpreting of the results of their diagnostic laboratory tests requires

knowledge of the biochemical and metabolic differences.

Using a combination of information, questions and case studies, the book allows readers to gain an understanding of the key concepts of sensitivity, specificity, and positive and negative predictive values, as well as the indications for diagnostic lab tests.

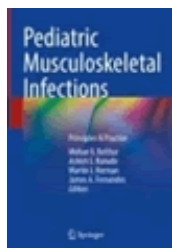
This book presents the state of art in testing across body systems and guidance on how to order and interpret diagnostic laboratory tests in pediatric patients. Each chapter includes learning objectives, tables and figures,

# Library Update

as well as questions and references for further learning. This textbook provides an update for clinicians and is a valuable learning tool for students and new clinicians.

[online]

[Pediatric musculoskeletal infections : principles & practice](#) / edited by Mohan V. Belthur ... [et al.]. Springer, 2022



Pediatric musculoskeletal infections are common globally. If untreated or treated inadequately, pediatric bone and joint infections can cause significant mortality and morbidity. The functional and economic burden to the family and community at large also presents a significant public health

problem. This book serves as an evidence-based, comprehensive review of the current concepts for the early diagnosis and management of pediatric musculoskeletal infections.

This first-of-its-kind book also uses a multidisciplinary and global approach by including contributions from authors worldwide. Written by experts in the field, Pediatric Musculoskeletal Infections: Principles and Practice serve as an easily accessible resource for a wide-reaching audience of healthcare providers from multiple disciplines to aid them in making informed decisions while treating children with bone and joint infections.

[online]

[Pediatric surgery digest](#) /edited by Zacharias Zachariou. 2<sup>nd</sup> ed. Springer, 2022



This updated volume offers a praxis-oriented and up-to-date overview of all subjects in paediatric surgery according to the European Training Requirements for Paediatric Surgery ( Approved by UEMS in April 2020).

Written by experts in the field, Pediatric Surgery Digest aims to give readers quick access to information on all aspects of pediatric surgery, as well as interdisciplinary topics related to paediatrics, adult surgery, obstetrics, and other disciplines working with children.

Practical information on child-adapted dosage for pharmacotherapy as well as age-specific injury patterns from scalding in young children to spleen rupture in teenaged vehicle users are taken into consideration. The role of surgery in modern pediatric oncology is also covered.

[online]

[Principles and practice of pediatric infectious diseases](#) / edited by Sarah S. Long ... [et al.]. 6<sup>th</sup> ed. Elsevier, 2023



Comprehensive in scope, yet concise and easy to manage, this book is your go-to resource for authoritative information on infectious diseases in children and adolescents. Numerous authorities on these areas and expert contributors provide the practical knowledge you need to understand, diagnose, and manage almost any pediatric infectious disease you may encounter. The primary audience for our textbook is the subspecialist in infectious diseases who provides care for or advises on policy regarding infants, children, and adolescents. We hope that our book also serves as a daily “consultant” for pediatricians and family physicians and a valuable resource for surgeons, clinical microbiologists, experts in infection control, health policy makers, and other health professionals who care for and about children.

[online]

[The Problem of practice variation in newborn medicine: critical insights for evaluating and improving quality](#) / edited by Joseph Schulman. Springer, 2022



Neonatal intensive care unit (NICU) teams in the US and around the world receive performance reports that locate their particular value for selected process and outcome measures within the range of values from all reporting NICUs. Understandably, many providers focus primarily, if not exclusively, on

their particular value. When a value appears undesirable, providers often justify it in an apparent reflex response rather than critically analysing their data. Exceedingly few reflect on the width or implications of the range within which their performance lies. Standard medical education does not include these skills, yet unwarranted practice variation necessarily compromises a population’s overall quality of care.

Researchers report wide variation in health care resource use with little connection to patient outcomes, challenging the belief that directing incrementally more resources at certain healthcare problems necessarily produces better results. This book provides requisite knowledge to enable readers without research expertise to understand the notion of unwarranted practice variation, how to recognize it, its ubiquity, and why it is generally undesirable – why narrowing is pervasiveness improves quality.