

Library Update

No.13, 20th July, 2020

Identifying fraudulent studies and other retracted publications

The recently updated [Cochrane Handbook for Systematic Reviews of Interventions](#) has a considerably expanded section on retractions, and corrections.

[Section 4.4.6](#) briefly discusses the rationale with respect to why it is essential not to include studies that have been corrected or retracted in systematic reviews and other evidence syntheses.

Section 3.9 of the [Technical Supplement to Chapter 4](#) (PDF, 2 MB) goes into more detail than the main Handbook and has information (including the relevant search strings) for how to search for retraction notices and retracted

publications in Ovid Medline, PubMed, and Ovid Embase. It also covers how to search for "expressions of concern".

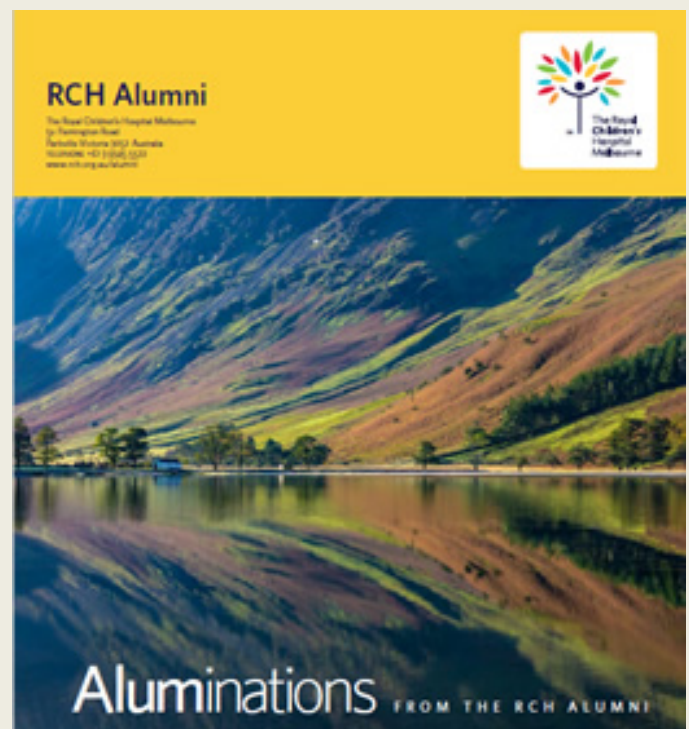


RCH Alumni – latest newsletter

The RCH Medical Alumni Association was established many years ago, as a group of medical and dental staff who had worked either as trainees or as consultants at the Royal Children's Hospital. Initially the organisation was universally known as "The RCH Medical Alumni", but in more recent times it has tended to be referred to more loosely as "The RCH Alumni", as a number of members are not Medical.

"We are a group of professionals who have spent at least part of our working life at The Royal Children's Hospital Campus. We wish to maintain and develop friendships made during our working life. We also seek to promote the wellbeing of the hospital. We do this by encouraging eligible individuals to join the Alumni and to participate in our activities. These include 4 - 5 luncheons (approximately every three months) with a guest speaker, attendance at the RCH functions such as grand rounds and special lectures arranged by the hospital and an end of the year Gala Dinner. Through our newsletters, we aim to disseminate news of the activities and interests of our members."

See the latest newsletter on the [Alumni website](#).



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What's new from NICE

The UK's [National Institute for Health and Care Excellence \(NICE\)](#) has published the following new (or revised) guidelines and quality standards.

- [COVID-19 rapid guideline: children and young people who are immunocompromised](#) – Clinical guideline [NG174]
- [COVID-19 rapid guideline: renal transplantation](#) – NICE guideline [NG178]
- [COVID-19 rapid guideline: rheumatological autoimmune, inflammatory and metabolic bone disorders](#) – NICE guideline [NG167]
- [Intravenous fluid therapy in children and young people in hospital](#) – NICE guideline [NG29]

Top 50 Most-Cited Campus Publications – updated

[This list](#) is updated every three to four months; significant changes are unlikely to occur more frequently.

We compile the list using *Scopus*, an abstract and citation database of peer-reviewed literature. We search the Affiliation field for *Royal Children's Hospital, Murdoch Childrens Research Institute, and Department of Paediatrics, University of Melbourne*.

Results are then sorted in descending order of times cited. Each item is manually edited for formatting consistency. The list is then exported and converted to a usable format.

BMJ Best Practice

BMJ Best Practice brings a step-by-step approach to decision support. It is structured around the patient consultation, covering diagnosis, prognosis, treatment, and prevention.

We recommend this resource as an alternative to UpToDate.

Recently updated topics:

- [Common hereditary lysosomal storage diseases](#)
- [Cystic fibrosis](#)
- [Hydrocele](#)
- [Migraine headache in children](#)

[Download the BMJ Best Practice app](#) for access to BMJ's trusted clinical information, whenever and wherever you need it.

Wellbeing and appreciation events

- July – [JulEYE Awareness Month](#)
- July 22 – [Fragile X Awareness Day](#)
- July 22 – [National Pain Week](#)
- July 24 – [Stress Down Day](#)
- July 26 – [Donate Life Week](#)
- July 28 – [World Hepatitis Day](#)
- August 1 – [World Breastfeeding Week](#)
- August 2 – [National Tree Day](#)
- August 2 – [National Healthy Bones Week](#)
- August 3 – [Dental Health Week](#)
- August 3 – [Sleep Awareness Week](#)
- August 7 – [Jeans for Genes Day](#)
- August 9 – [International Day of the World's Indigenous Peoples](#)
- August 17 – [Wound Awareness Week](#)
- September 1 – [National Asthma Week](#)

EndNote Tip: Export citations from new PubMed

1. Perform your search then choose *Send to*:
2. Choose *Citation Manager*
3. Select *All results on this page, All results, or Selection*
4. *Create file*
5. Save the .nbib file, then double click to open in EndNote

Paediatric Papers site now live

The Paediatric Papers are summaries of important journal articles for paediatric staff. They aim to provide concise, easily read clinical advice from high-impact publications.

The Paediatric literature is constantly evolving and at such a rapid pace that it is difficult to keep up-to-date with the evidence base.

Paediatric Papers aims to help by distilling the wisdom gained from journal articles into written, audio or multimedia summaries that can be consumed within two minutes.

[Read Paediatric Papers](#) on the Education Hub website.

Health and Science News

- **Australia has a flesh-eating-bacteria problem:** In the beach towns south of Melbourne, everyone, it seems, knows someone who's been attacked. [Read more](#) [source: theatlantic.com]
- **Air filter traps and kills SARS-CoV-2 virus:** This novel biodefense indoor air protection technology offers the first-in-line prevention against environmentally mediated transmission of airborne SARS-CoV-2. [Read more](#) [source: medgadget.com]
- **Six months of coronavirus: the mysteries scientists are still racing to solve:** From immunity to the role of genetics, *Nature* looks at five pressing questions about COVID-19 that researchers are tackling. [Read more](#) [source: nature.com]
- **We ignore airborne spread of COVID-19 at our peril:** "Studies by the [239] signatories and other scientists have demonstrated beyond any reasonable doubt that viruses are exhaled in microdroplets small enough to remain aloft in the air and pose a risk of exposure beyond 1 to 2m by an infected person," [Read more](#) [source: scimex.org]
- **The pandemic experts are not okay:** Many American public-health specialists are at risk of burning out as the coronavirus surges back. [Read more](#) [source: theatlantic.com]
- **Young people in Melbourne will have more access to mental health services:** Youth mental health organisation Orygen has created a new online platform for younger people experiencing mental health challenges during coronavirus, with those living in public housing in the north and western suburbs to have first access. [Read more](#) [source: healthtimes.com.au]
- **Australian-developed COVID-19 vaccine could be ready for widespread use by early-2021:** Although not the first candidate to have entered human trials for the COVID-19 pandemic, Adelaide-based company Vaxine says its protein-based formula may outpace its competitors. [Read more](#) [source: hospitalhealth.com.au]
- **Immunotherapy with CAR T cells results in exceptional patient recovery:** In a clinical trial evaluating a novel immunotherapy option for cancer treatment, a child with rhabdomyosarcoma showed no detectable cancer following treatment with chimeric antigen receptor (CAR) T cells that were engineered to target the HER2 protein on the surface of the cancer cells. [Read more](#) [source: eurekaalert.org]
- **Box designed to protect healthcare workers from COVID-19 may increase exposure:** The study from Box Hill Hospital, Melbourne, showed that 'airborne particle contamination of the doctor increased substantially using the aerosol box compared with all other devices and with no device use.' [Read more](#) [source: scimex.org]
- **Active screening needed for rheumatic heart disease in the NT:** The high burden of rheumatic heart disease among Aboriginal and Torres Strait Islander people requires more active case finding and echocardiographic screening to detect undiagnosed cases, according to Australian experts. [Read more](#) [source: scimex.org]
- **Rebooting healthy eating habits in child cancer survivors:** A pilot healthy eating program has increased parents' confidence and knowledge in encouraging their child's healthy eating habits, a UNSW Sydney study finds. [Read more](#) [source: scimex.org]
- **Covid-19 shows that scientific journals need to open up:** The scientific publishing industry has already proved to be, by the standards of the modern media world, impressively resilient. [Read more](#) [source: bloomberg.com]
- **Experimental COVID-19 vaccine safe, generates immune response:** Two doses of vaccine prompted high levels of neutralizing antibody activity that were above the average values seen in convalescent sera obtained from persons with confirmed COVID-19 disease. [Read more](#) [source: eurekaalert.org]
- **How COVID-19 has changed healthcare cleaning procedures forever:** A strategic and targeted approach will keep patients and staff safe with minimal disruption and expense. [Read more](#) [source: hospitalhealth.com.au]
- **Different approach needed to 'buy time' and tackle COVID-19:** UniSA professor says scientists should be focusing on repurposing existing proven drugs to block the acute inflammatory responses to the virus in seriously ill patients. [Read more](#) [source: scimex.org]
- **In one hour, surface coating inactivates virus that causes COVID-19:** A chemical engineering professor at Virginia Tech has developed a surface coating that, when painted on common objects, inactivates SARS-CoV-2, the virus that causes COVID-19. [Read more](#) [source: eurekaalert.org]

Injections are two-and-a-half times safer when nurses use revamped guidelines

[A recent study](#) in the UK has found that user-testing injectable medicines guidelines reduces the number of errors and the time taken to prepare and administer intravenous medicines, while increasing staff confidence.

The UK's National Health Service (NHS) is changing the way it writes its guidelines for giving injections in hospitals, following groundbreaking research from the University of Bath.

The Bath study, funded by the National Institute for Health Research (NIHR), found that hospital

nurses make far fewer mistakes when administering medicines intravenously if they follow instructions written with nurses in mind. Researchers used a process called 'user testing', which identifies where mistakes are being made and introduces changes so the instructions are easier to use.

Current NHS guidelines on intravenous injections are written by pharmacists with little input from their primary audience - nurses.

These instructions can be confusing or overly complicated, which contributes to 30-50% of intravenous doses being incorrect in some way.

[Read more.](#)

AIHW – latest reports

3 new releases from the Australian Institute of Health and Welfare: Admitted patient care, Non-admitted patient care and hospital resources; and household drug survey results

Admitted Patient Care 2018-19 (update)

Admitted patients are patients who undergo a public or private hospital's formal admission process to receive treatment and/or care.

The types of care provided include surgical care, medical care, intensive care, newborn care, rehabilitation care, palliative care, and mental health care. [Read the report.](#)

Non-admitted patient care

Non-admitted patients are patients who do not undergo a hospital's formal admission process and do not occupy a hospital bed. Instead, they receive services as an outpatient.

The types of care they receive include consultations with specialist medical practitioners, the provision of diagnostic or other procedures, and allied health or clinical nurse specialist services. [Read the report.](#)

Hospital resources

The hospital workforce in Australia is large and diverse, covering many occupations. Hospital employees include medical officers (such as surgeons, anaesthetists and other specialists), nurses, diagnostic and allied health professionals (such as physiotherapists and occupational therapists), administrative and clerical staff, and domestic and other personal care staff. Read the reports on [hospital workforce](#), [hospital activity](#), and [hospital access](#).

National Drug Strategy Household Survey 2019

This report presents key results from the 2019 National Drug Strategy Household Survey.

It looks at people's drug use throughout their lives and during the last 12 months, and examines

how these patterns have changed over time. It also asks people for their opinions on a range of initiatives designed to reduce the harm caused by tobacco, alcohol and illicit drug use, and for the first time provides perspectives on emerging initiatives, such as the availability of pill and other drug testing for potential drug users.

The report includes a number of online products: state and territory fact sheets, technical information, data tables and two data visualisations. [Read the report.](#)



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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BOOKS

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[Atlas of pediatric CTA of coronary artery anomalies](#)
/ Randy Ray Richardson. Springer, 2020.



While most current texts on the coronary artery include only a single chapter on anomalies, this is the first of its kind to focus on the challenges involved with imaging coronary artery anomalies in infants. Since the appearance of coronary artery anomalies is dramatically different in

infants with commonly associated congenital heart disease, unique techniques and careful timing are required for imaging these 1-2 mm blood vessels. Additionally, many coronary anomalies are not commonly seen because the infants don't survive past childhood.

Comprised of hundreds of anomalies in infants collected over a number of years, this atlas includes 3d color-coded images, surgical reports, angiograms, CTs and MRIs, as well as detailed instructions for performing coronary CTAs in infants. The 3d models also show the relation of coronary anomalies with congenital heart disease.

This is a timely resource for pediatric cardiologists, pediatric radiologists, fellows and residents who wish to improve their skill set when faced the dual challenges of the size of the patient and the associated complex congenital heart disease seen with the coronary anomalies.

This atlas is also a valuable resource for medical students, physician assistants and nurse practitioners in pediatric cardiology and pediatric radiology.

[online]

[Netter's Essential histology](#) / William K. Ovalle, Patrick C. Nahirney. 3rd ed. Elsevier, 2021.



With strong correlations between gross anatomy and the microanatomy of structures, this is the perfect text for today's evolving medical education. Concise and easy to use, it integrates gross anatomy and embryology with classic histology slides and state-of-the-art

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[online]

[Pediatric body MRI: a comprehensive, multidisciplinary guide](#) / edited by Edward Y. Lee ... [et al]. Springer, 2020.



This book is a unique, authoritative and clinically oriented text on pediatric body MRI. It is your one-step reference for current information on pediatric body MRI addressing all aspects of congenital and acquired disorders. The easy-to-navigate text is divided into 17 chapters. Each

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