

From direct observation to medical imaging: how medicine learned to see

For centuries, medicine relied on direct observation: the patient's appearance, physical signs and symptoms, and what could be seen during examination or dissection. But some of the most important things medicine needed to understand were invisible.

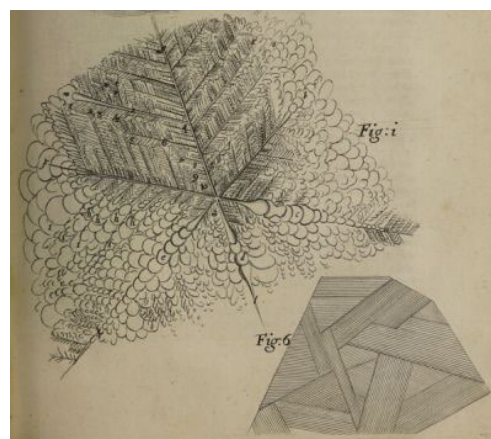
The microscope opened a new window onto the body. In 1665, Robert Hooke published *Micrographia*, containing highly detailed illustrations of structures visible only under magnification. Hooke's drawings helped turn an invisible microscopic world into something that could be examined, discussed and shared.

Medical illustration provided another way to represent structures and features of the body that were difficult to see or understand directly. Anatomical artists developed ways of showing structures and relationships within the body through the careful use of colour, perspective and detail. For example, in Joseph Maclise's *The Surgical Anatomy of the Arteries of the Human Body* (1841–44), arteries are shown in red and veins in blue. The colours made the different blood vessels immediately distinguishable.

By the mid-19th century, microscopy had become an important tool in the investigation of disease. For example, Lionel Beale's *Disease Germs : their real nature and original investigation* (1870) documented bacteria and other microscopic structures associated with diseases including cholera and cattle plague.

Microscopy was still developing, and interpretations of what was being observed were contested. Seeing something through a microscope didn't necessarily mean understanding what you were seeing.

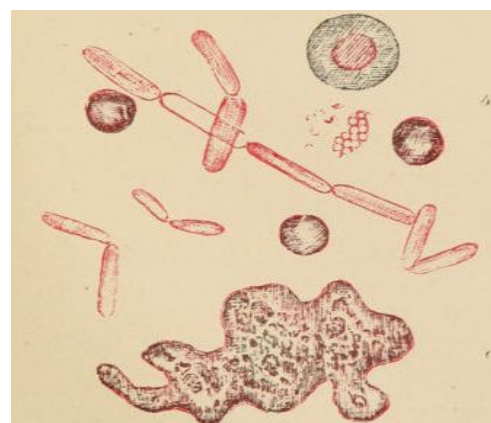
These images allowed scientists and doctors to record and communicate what most people could never see for themselves. As microscopes, photography, X-rays and eventually CT and MRI developed, medicine gained increasingly powerful ways to make the invisible visible. Each new technology has expanded what can be seen and raised new questions about how those images should be interpreted.



Early microscopic illustrations from *Micrographia* by R. Hooke (1665). Public Domain. Source: [Wellcome Collection](#).



The circulatory system. Coloured lithograph by J. Maclise, (1841/1844). Public Domain. Source: [Wellcome Collection](#).



Illustrations of bacteria and other microscopic structures from *Disease germs : their real nature an original investigation* by Lionel S. Beale (1870). Public Domain. Source: [Wellcome](#)

Library Update

Library Training: coming sessions

Improve your literature searching skills at the Library

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

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.

Nursing & Allied Health.....Wed 14 Oct, 2:00 pm
Cochrane Library.....Wed 21 Oct, 2:30 pm
EndNote Tutorial 1.....Mon 21 June, 12:00 pm
EndNote Tutorial 2.....Thu 8 Oct, 10:00 am
EndNote Demonstration.....Wed 26 May, 5:00 pm
Finding the Evidence Fri 23 Oct, 11:00 am
Introduction to the Library Wed 28 Oct, 11:15 am
Ovid Medline Fri 23 Oct, 1:00 pm

BMJ Best Practice: recently updated paediatric topics

BMJ Best Practice provides step-by-step clinical decision support, structured around the patient consultation and covering diagnosis, prognosis, treatment and prevention.

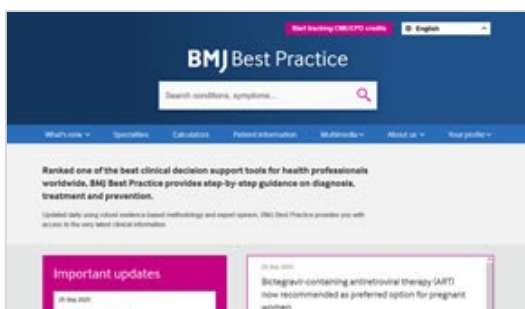
We recommend BMJ Best Practice as an alternative to UpToDate.

Recently updated paediatric topics include:

- [Absence seizures](#)
- [Constipation In children](#)
- [Cryptorchidism](#)
- [Generalised seizures in children](#)
- [Infantile spasms syndrome](#)
- [Osteosarcoma](#)
- [Sudden infant death syndrome](#)

If you are prompted to create a user profile and don't wish to, select "Skip and continue to Best Practice" at the bottom of the sign-up webpage.

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



Wellbeing and appreciation events

October	Health Literacy Month
October	National Safe Work Month
October 6	World Cerebral Palsy Day
October 8	World Sight Day
October 10	World Mental Health Day
October 11	Anti-Poverty Week
October 11	National Carers Week
October 14	Allied Health Professionals Day
October 14	National Ride2Work Day
October 15	Global Handwashing Day
October 16	World Anaesthesia Day
October 16	World Food Day
October 18	International Lead Poisoning Prevention Week
October 19	International Infection Prevention Week
October 19	International Open Access Week
October 20	Pharmacy Technician Day
October 20	World Evidence-Based Healthcare Day
October 21	Drop the Jargon Day
October 24	Children's Week*
October 24	World Polio Day
October 26	Intersex Awareness Day
October 29	Blue Knot Day

* Children's Week theme 2026:

"Children have the right to use their own language, celebrate their culture and practise their religion"

childrensweek.org.au



Library Update

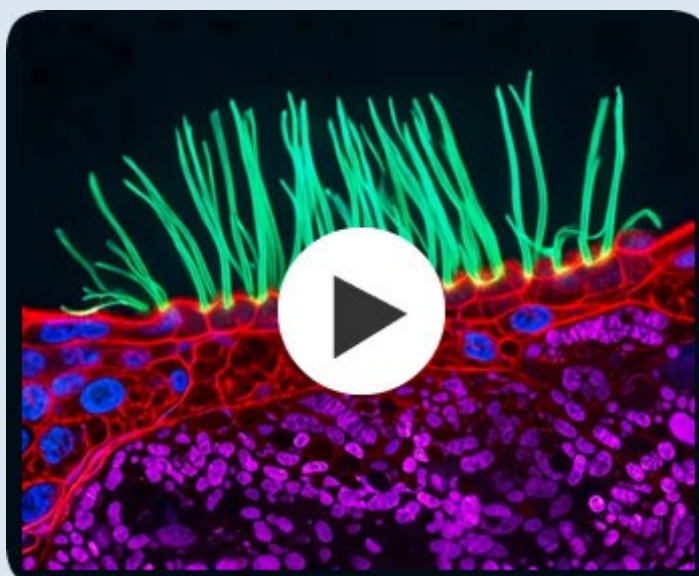
When a still image isn't enough: seeing cilia in motion

The [2026 Nikon Small World in Motion competition](#) winner is a [video of airway cilia](#) from a child with primary ciliary dyskinesia (PCD). It highlights both the artistry of microscopy and its potential for studying disease.

In PCD, observing ciliary movement can provide important diagnostic information. Capturing that movement at high resolution while keeping the sample alive and behaving naturally is a significant technical challenge.

[The team](#) used diffractive super-resolution microscopy and developed a system that precisely controls illumination using multiple wavelengths and digital micromirror devices. This allows rapid, high-resolution imaging while minimising the light reaching the sample.

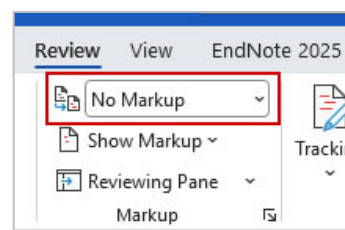
The winning video shows how advanced microscopy can make biological processes visible in real time, giving researchers and clinicians a way to study the abnormal movement associated with PCD. It is a compelling example of how seeing something in motion can reveal information that a still image cannot.



EndNote Tip: Use Track Changes with Word and EndNote

You may see errors in EndNote when using Track Changes. Or, the document may crash with no specific errors, or the in-text citations and references become corrupted.

To use Track Changes correctly with EndNote go to the *Review* tab in Word. In the *Markup* panel set the markup options to *Final* mode or *No Markup* (depending on your version of Word). If you're on a Mac set it to *Original*.



Open Access Week 2026: The Cost of Knowledge

[Open Access Week](#) runs from 19–25 October 2026, bringing together researchers, libraries and institutions to explore ways of making scholarly knowledge more openly available. This year's theme, [The Cost of Knowledge](#), considers the increasing costs of accessing and sharing research, and asks who pays and who benefits.

[Events during Open Access Week](#) are organised by institutions around the world and may include workshops, talks and discussions on open-access publishing, research repositories, copyright and licensing, open science and scholarly communication.

Open access can make your research more widely available, increasing its reach and potential impact. See your options for lower-cost [Open Access Publishing](#) article charges at the Library website.



Health and Science News

When it comes to Beatles references, scientists can't let it be:

The study authors found 2,048 exact matches with Beatles song titles in Scopus—over 3,000 if you add in clever wordplay. [\[ArsTechnica\]](#)



How healthcare students are using generative AI:

It's no longer something they deliberately sit down to "use". Instead, it sits alongside search engines, flashcards and online textbooks as another study tool. [\[HealthTimes\]](#)

A 3-year-old's metastatic cancer disappeared after two doses of experimental therapy:

Scientists are making big progress with CAR T cell therapy against solid tumors too with potentially life-saving results. [\[Science Alert\]](#)

We can, but should we? Red flags for hasty, low integrity AI integration into healthcare:

As health systems pursue AI integration, their leaders should remain alert to several red flags—mindsets and behaviours that could erode their mission, compromise public trust, and weaken care. [\[BMJ\]](#)

Regulating AI in healthcare: a moving target: The debate about AI in healthcare is no longer on whether we should use it but on the conditions under which staff and patients can trust it. [\[BMJ\]](#)

There's a reason child vaccination rates are falling - and it's not social media: Public health experts think that parents of young children simply have fewer face-to-face contacts with medical professionals than they did 10 or 15 years ago. [\[BBC\]](#)

A fatal reaction: A cutting-edge gene-editing trial in China went disastrously wrong. A family wants accountability. [\[Science\]](#)

Faster path to treatment for deadly childhood dementia:

The research team identified nine existing TGA-approved drugs that improved cell function, reduced neuronal damage and restored healthy brain activity. [\[Scimex\]](#)

Estimating global article processing charges paid to 14 publishers for open access between 2019 and 2025 (preprint):

It is estimated that institutions and funders worldwide paid US\$15.08 billion in article processing charges (APCs) to 14 major publishers between 2019 and 2025. The study also finds that APCs in hybrid journals tend to be higher than those in fully open-access journals. [\[arXiv\]](#)

AI tools that take notes for GPs could miss vital information, study suggests:

The report said AI summaries tend to prioritise clinical information, which can come at the expense of the patients' stories and experiences of their illness. It also said the tools can reduce memory recall and skill development and highlighted instances where clinicians do not recognise their own notes. [\[BBC\]](#)

This place-based approach to addressing poverty brings measurable and wide-ranging health benefits:

When patients can meet their basic needs, paediatricians can practise the kind of care that they were trained to provide. [\[Croakey\]](#)

Calling for national action to protect our health from poor air quality:

Unsafe air is the leading environmental cause of preventable illness and premature death in Australia. [\[Croakey\]](#)

COVID-19 vaccination likely prevented nearly

5,000 Victorian deaths in late 2021: S Researchers say their conservative estimate is that 315,000 infections were prevented, including 33,400 hospitalisations and 4,900 deaths. [\[Scimex\]](#)

Federal lawsuit accuses four major publishers of extorting article processing charges:

A lawsuit filed under the U.S. False Claims Act (FCA) accuses four major publishers of perpetrating a decade-long scheme to defraud the government by charging exorbitant article processing charges. [\[Retraction Watch\]](#)



World Health Organization urged to declare climate change a Public Health Emergency of International Concern:

The case for such a PHEIC declaration has only strengthened in recent months, amid climate disasters across many countries. [\[Croakey\]](#)

New AI models still reproduce racial and gender stereotypes in medicine:

When asked to describe fictional patients with common medical conditions, new models frequently reproduced racial and gender stereotypes, indicating that advancements in AI reasoning do not inherently improve representational fairness. [\[Scimex\]](#)

Antibiotic resistance gene helps C. difficile spores withstand hospital disinfectants:

The bacteria is able to make even tougher spores that can survive hospital grade cleaning products and high laundry temperatures. [\[News Medical\]](#)

Options to access full text articles: follow the DOI link; search for the PMID at [PubMed](#); or search for the journal title in our [database](#). An [OpenAthens account](#) is required for remote access. Make a [Document Delivery request](#) for items we don't have. [Get LibKey for one-click access](#).

Abu-Ghazaleh, N., Morgan, V., Ross, G. and Armstrong, J. [Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Impact of line of therapy on treatment persistence and switching treatment patterns in atopic dermatitis patients treated with upadacitinib: a multicenter Australian study', *Australasian Journal of Dermatology* 2026; vol.67(Suppl. 1), pp.S11 [DOI](#)

Alade, A., Maurer, J.M., Anderton, J., Lee, M.K., Almpiani, K., Goovaerts, S., Claes, P., Butali, A., Adeyemo, A., Levy, S., Hartsfield, J.K., Jr., Morford, L.A., Peter, T., Miller, S., McNeil, D.W., Shaffer, J.R., Foxman, B., Weinberg, S.M., Moreno Uribe, L.M., Marazita, M.L. and Lee, J.S. [Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Multiancestral GWAS of dental malocclusion identifies multiple risk loci', *Journal of Dental Research* 2026; Jun 15 [Epub ahead of print] [PMID: 42298958] [DOI](#)

Alarcon Martinez, T., Manley, B.J., Owen, L.S., Davis, P.G. and Hodgson, K.A. [Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Apnoeic oxygenation with nasal high flow during neonatal intubation: a prospective audit', *Archives of Disease in Childhood. Fetal and Neonatal Edition* 2026; Jun 24 [Epub ahead of print] [PMID: 42342433] [DOI](#)

Alda, M.G., MacDonald, T.M., Kalinowski, P., Charlton, J.K. and Wood, A.G. [Department of Paediatrics, University of Melbourne; Clinical Sciences, Murdoch Children's Research Institute; Department of Neonatal Medicine, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Neurodevelopment in small-for-gestational-age preterm infants: distinguishing the impact of birthweight and gestational age in a cohort study', *Journal of Perinatology* 2026; Jul 8 [Epub ahead of print] [PMID: 42420548] [DOI](#)

Ameratunga, S.N., Harrison, J.E., Cameron, P., Ponsford, J., Reeder, S., Lyons, R.A., Teague, W.J., Nunn, A. and Gabbe, B.J. [Trauma Service, Royal Children's Hospital; Surgical Research, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Function and quality of life 5 years following pediatric major trauma: a population-based cohort study', *Annals of Surgery Open* 2026; vol.7(2), article no. e669 [PMID: 42344470] [DOI](#)

Appleyard, J., Copnell, B., Haling, A., Manning, J.C. and Butler, A.E. [Paediatric Intensive Care Unit, Royal Children's Hospital; Murdoch Children's Research Institute, Flemington Road, Parkville, Vic., Australia.], 'Sibling presence in the PICU: single-site point prevalence study', *Pediatric Critical Care Medicine* 2026; Jun 22 [Epub ahead of print] [PMID: 42328768] [DOI](#)

Atashgahi, M., Madani, F. and Webster, T.J. [Department of Surgery, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Nanotechnology-driven drug-delivery systems: mechanistic insights for pediatric autism treatment in 2026', *International Journal of Nanomedicine* 2026; vol.21, article no. 599496 [PMID: 42292036] [DOI](#)

Atlas, G., Bell, K.M., Robevska, G., van den Bergen, J., Hadiprajitno, P.I., Listyasari, N., Santosa, A., Juniarto, A.Z., Francis, D.I., MA, O.A.C., Tan, T.Y., Tucker, E., Faradz, S.M.H., Sinclair, A. and Ayers, K. [Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne; Royal

Library Update

Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'WT1 deletion in 46,XY DSD: the importance of copy number variant analysis', *Sexual Development* 2026; vol.20(1-6), pp.95-101 [PMID: 41894552] [DOI](#)

Baba, K., Narita, Z.C., Yamasaki, S., Shinozaki, T., Niimura, J., Nakajima, N., Yamaguchi, S., Knowles, G., Devylder, J., Ayaya, S., Kumagaya, S.I., Stanyon, D., Oikawa, N., Hosozawa, M., Nakanishi, M., Ando, S., Kasai, K., Miyashita, M., Hiraiwa-Hasegawa, M., Furukawa, T.A., Patel, V., Sawyer, S.M. and Nishida, A. [Center for Adolescent Health, Royal Children's Hospital; Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Effect of home visiting support on maternal psychosocial needs and postnatal depression: emulating a target trial', *BMJ Mental Health* 2026; vol.29(1), article no. e302675 [PMID: 42315357] [DOI](#)

Baird, M.E., Yang, J.Y., Seal, M.L., Beare, R. and Anderson, J.F.I. [Developmental Imaging, Clinical Sciences, Neuroscience Research, Murdoch Children's Research Institute; Department of Neurosurgery, Neuroscience Advanced Clinical Imaging Service (NACIS), Royal Children's Hospital; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Thalamic structural connectivity and cognitive outcome in the subacute period following mild traumatic brain injury', *Journal of Neurotrauma* 2026; vol.43(11-12), pp.882-894 [PMID: 42300018] [DOI](#)

Barton, R., Van Den Helm, S., Yaw, H.P., Attard, C., MacLaren, G., Ignjatovic, V., Letunica, N., Karlaftis, V., Cai, T., Johansen, A., Best, D., Chiletti, R., d'Udekem, Y., McKittrick, J., Butt, W. and Monagle, P. [Haematology Research, Paediatric Intensive Care Research Group, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne; Clinical Haematology, Intensive Care, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Transfusion of blood products to neonatal and pediatric extracorporeal membrane oxygenation patients: a prospective, observational study', *Transfusion* 2026; Jun 18 [Epub ahead of print] [PMID: 42312926] [DOI](#)

Bevacqua, F., Annabell, L. and Morrison, S. [Murdoch Children's Research Institute; Department of Orthopaedics, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Staged reconstruction of distal femoral osteosarcoma in a 10-year-old girl using a hybrid endoprosthesis-motorised lengthening nail construct: a case report', *Strategies in Trauma and Limb Reconstruction* 2025; vol.20(3), pp.186-190 [DOI](#)

Blacklock, C., Tollit, M., Pace, C., Elphinstone, B., Zwickl, S., Cheung, A., Pang, K.C. and Buzwell, S. [Clinical Sciences, Murdoch Children's Research Institute; Department of Adolescent Medicine, Royal Children's Hospital; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Sociodemographic and gender affirmation factors associated with gender euphoria: a cohort study', *eClinicalMedicine* 2026; vol.97, article no. 104039 [PMID: 42433281] [DOI](#)

Bocchetta, N., Konstantinov, I.E., Aldabergenov, E., Hornberger, L.K., Nurkeyev, B., Kuandykova, E.A., Taggart, N.W., Inagamov, S.A., Konstantinov, S.I., Tashbayev, A.M., Qureshi, Y.M., Zheleva, B., Myrzakulov, Y., Al Kindi, H.N.H., Dearani, J., Al Sabti, H. and Baigenzhin, A.K. [Cardiothoracic Surgery, Royal Children's Hospital; Murdoch Children's Research Institute, Flemington Road, Parkville, Vic., Australia.], 'From high-risk fetal heart disease to personalized life-long management: equity, globalization and regionalization in

Library Update

the era of artificial intelligence', *Journal of Thoracic and Cardiovascular Surgery* 2026; Jun 26 [Epub ahead of print] [PMID: 42362010] [DOI](#)

Bouffet, E., Khuong-Quang, D.A., Verrico, A., Hara, J., Plant, A., Aerts, I., Mastronuzzi, A., van der Lugt, J., Papusha, L., Sahm, F., Tabori, U., Cohen, K.J., Packer, R.J., Witt, O., Roughton, M., Carnell, M., Ajipa, O., Liu, X., Russo, M.W. and Hargrave, D.R. [Children's Cancer Center, Royal Children's Hospital; Murdoch Children's Research Institute, Flemington Road, Parkville, Vic., Australia.], 'Long term effects of treatment with dabrafenib (D) and/or trametinib (T) in pediatric patients with MAPK pathway-activated tumors', *Journal of Clinical Oncology* 2026; vol.44(16 Suppl.), pp.10031 [DOI](#)

Bourke, M., Zhu, X., Boughtwood, T., Gaff, C., Hunter, A., Mulhern, B., Peasgood, T., Stuart, C., Buchanan, J. and Goranitis, I. [Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Content validity, face validity and comprehensiveness of generic quality-of-life measures in adults and children with rare genetic conditions and their carers: a think aloud qualitative study', *Quality of Life Research* 2026; vol.35(8), article no. 221 [PMID: 42365553] [DOI](#)

Brettig, T. and Perrett, K. [Population Allergy Group, Murdoch Children's Research Institute; Department of Allergy and Immunology, Royal Children's Hospital; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'The ADAPT peanut oral immunotherapy program', *Medicine Today* 2026; vol.27(6), pp.29-33

Brown, K.F., Oguoma, V.M., Rolleston, A., Grey, C., Deen, J.F., Warne, D., Azzopardi, P., Reading, J. and Brown, A. [Global Adolescent Health, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Epidemiology and determinants of cardiovascular disease in Indigenous populations', *Nature Reviews. Cardiology* 2026; Jul 7 [Epub ahead of print] [PMID: 42414615] [DOI](#)

Bugeja, E., Starr, M., Varma, N. and Tiller, G. [Department of Rheumatology, Department of General Medicine, Department of Radiology, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'A case of a chronic non-bacterial osteomyelitis in a paediatric patient with a solitary distal femoral lesion; 8 year longitudinal follow up', *International Journal of Rheumatic Diseases* 2026; vol.29(Suppl. 2), pp.e70608_32 [DOI](#)

Butler, G., Quinlan, C. and Rheault, M.N. [Department of Paediatric Nephrology, Royal Children's Hospital; Department of Paediatrics, University of Melbourne; Kidney Regeneration, Murdoch Children's Research Institute, Flemington Road, Parkville, Vic., Australia.], 'Collagen genes-related glomerular disease', *Advances in Kidney Disease and Health* 2026; vol.33(1), pp.71-77 [PMID: 42331441] [DOI](#)

Campbell, A.C., Tyler, J., Shuttleworth, R.R., Pearce, L.A., Heerde, J.A., Borschmann, R., Sawyer, S.M., Preen, D.B., Kinner, S.A. and Calais-Ferreira, L. [Centre for Adolescent Health, Murdoch Children's Research Institute; Royal Children's Hospital; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Accuracy of administrative data in ascertaining health conditions: a systematic review', *JAMIA Open* 2026; vol.9(3), article no. o0ag109 [PMID: 42369823] [DOI](#)

Carey, J.J., Toovey, R., Imms, C., Shields, N., Palmer, V.J., Bibb, J., O'Keefe, F., Yates, M.J., Wallen, M. and Spittle, A. [Neurodisability and Rehabilitation, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Using experience-based co-design to develop principles of a novel program that links young people with disability to

Library Update

participation in cycling (CycLink)', *Disability and Rehabilitation* 2026; Jun 17 [Epub ahead of print] [PMID: 42307615] [DOI](#)

Carl, T., Hawes, D.J., Tully, L.A., Bellgrove, M.A., Yap, M.B.H., Anderson, V., Elliott, E.J., Tonge, B., Northam, J.C., Goldfeld, S., Oberklaid, F., Jorm, A.F., Hunt, C., Nickerson, A., Rapee, R.M. and Dadds, M.R. [Brain and Mind Research, Centre for Community Child Health, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'What is a clinical trial? A proposal for expanding the WHO definition of a clinical trial for use in mental health research', *British Journal of Psychiatry* 2026; Jul 8 [Epub ahead of print] [PMID: 42415334] [DOI](#)

Chawla, A., Carter, S., Wood, A., Staffieri, S., Dodgshun, A., Eisenstat, D.D. and Sullivan, M. [Children's Cancer Centre, Department of Ophthalmology, Royal Children's Hospital; Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Incidence and severity of carboplatin-associated hearing loss in children with cancer assessed by the SIOF 2012 ototoxicity criteria', *medRxiv* 2026; [Epub ahead of print] [DOI](#)

Cheney, C.V., Page, E.C., Yeung, D.T. and White, D.L. [Australian Genomics Health Alliance (AGHA), Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'The gastrointestinal microbiome and constituent short-chain fatty acids: a narrative review of an underexplored axis in acute lymphoblastic leukemia', *Gut Pathogens* 2026; vol.18(1), article no. 61 [PMID: 42366393] [DOI](#)

Cheong, J.L.Y., Nguyen, T.N., Olsen, J.E., Pigdon, L., Du Berry, C., Howlin, L., Mainzer, R.M., Anderson, P.J., Spittle, A.J. and Doyle, L.W. [Prematurity Research, Clinical Sciences, Respiratory Group, Clinical Epidemiology and Biostatistics Unit, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne; Department of Respiratory and Sleep Medicine, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Outcomes at school-age of children born extremely preterm or extremely low birth weight in Victoria, Australia: protocol for the 8-9 years follow-up of the prospective, longitudinal Victorian Infant Collaborative Study (VICS) 2016-2017 cohort', *BMJ Open* 2026; vol.16(7), article no. e120087 [PMID: 42414016] [DOI](#)

Chong, D. and Kueper, J. [Division of Plastic Surgery, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Program structure and responsibility in short-term cleft surgery programs: the SCALE framework', *Cleft Palate-Craniofacial Journal* 2026; Jul 6 [Epub ahead of print] [PMID: 42405646] [DOI](#)

Chong, D.K., Fell, M.J., Butterworth, S., Lewis, S., Fowler, P.V., Sandy, J.R., Davies, A., Russell, C.J., Fitzsimons, K. and Wren, Y. [Plastic and Maxillofacial Surgery, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Laterality and sidedness in orofacial clefts: definitions and a framework for future research', *Cleft Palate-Craniofacial Journal* 2026; Jun 15 [Epub ahead of print] [PMID: 42294971] [DOI](#)

Ciciulla, D., Koplin, J.J., Yeo, M., Tang, M.L.K., Perrett, K.P., Wijesuriya, R., McWilliam, V. and Peters, R.L. [Department of Paediatrics, University of Melbourne; Population Allergy, Centre for Food and Allergy Research (CFAR), Brain and Mind Research, Allergy Immunology, Clinical Epidemiology and Biostatistics Unit, Murdoch Children's Research Institute; Department of Adolescent Medicine, Department of Allergy and Immunology, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Prevalence of avoidant/restrictive food intake disorder (ARFID) in children with and without food allergy', *Pediatric Allergy and Immunology* 2026; vol.37(7), article no. e70393 [PMID: 42415534] [DOI](#)

Library Update

Ciofani, J.L., Puranik, R., Ekmejian, A., Allahwala, U.K., Sinhal, S., James-Smith, J., Pepe, S., Lund, M. and Bhindi, R. [Heart Research, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne; Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Cardiovascular drug access in Australia and New Zealand: new PBS and PHARMAC listings, 2023-2025', *Heart, Lung and Circulation* 2026; Jul 6 [Epub ahead of print] [PMID: 42409691] [DOI](#)

Clark, S., Getahun Strobel, A., Hume-Nixon, M., Ratu, T., Nguyen, C.D., Neal, E., Mohammed, A., Sauduadua, L., Sakumeni, K., Tuibeqa, I. and Russell, F. [Asia-Pacific Health, New Vaccines, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Maternal and congenital syphilis in Fiji 2019-2022: a secondary analysis of clinical trial data', *Epidemiology and Infection* 2026; vol.154, article no. e104 [PMID: 42350904] [DOI](#)

Collins, L., Lim, A., Alwaheb, S., Chee, N.S.S., Chew, C.K., Farag, G.G.R., Gurdev, K., Zacharin, M. and Simm, P. [Department of Endocrinology, Royal Children's Hospital; Hormone Research, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Evaluating the transition of young adults with osteogenesis imperfecta: a patient-focused prospective study', *Journal of Pediatric Endocrinology and Metabolism* 2026; vol.39(8), pp.768-777 [PMID: 42333546] [DOI](#)

Costa-Pinto, J.C., van Arragon, M., Lee, K.J., Gold, L., Sly, P.D., Grant, C.C., McNab, S. and Vuillermin, P. [Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne; Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Assessing the reduction of recurrent admissions using OM-85 for the treatment of preschool wheeze (ARROW): protocol for a multi-centre, randomised, double-blind, placebo-controlled trial', *Journal of Paediatrics and Child Health* 2026; vol.62(7), pp.1244-1254 [PMID: 42294810] [DOI](#)

Costagli, G., Rocchitelli, L., Chorna, O., Del Secco, S., Corsi, G., Peyton, C., Spittle, A.J., Kwong, A.K. and Guzzetta, A. [Clinical Sciences, Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Feasibility of the Baby Moves app for remote General Movements Assessment: a prospective observational cohort study in an Italian infant population', *BMJ Paediatrics Open* 2026; vol.10(1), article no. e004361 [PMID: 42413968] [DOI](#)

Crempe, E.V.M., Emídio, R.M.P., Oliveira, J.M.V., Souza Coelho, C.C., Paiva, J.D.S., Weber, G., Garcia Alves Ferreira, L., Alves Nogueira, D. and Soncini, R. [Department of Paediatrics, University of Melbourne; Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'BioQueer: educational narratives on sex and gender-a methodology for developing, implementing, and evaluating an instructional guidebook', *Advances in Physiology Education* 2026; vol.50(3), pp.870-879 [PMID: 42319355] [DOI](#)

Cribb, L., Moreno-Betancur, M., Sarant, J., Wolfe, R., Pase, M.P., Rance, G., Mielke, M.M., Murray, A.M., Owen, A., Woods, R.L., Zhou, Z., Wu, Z., Sheets, K.M., Chong, T.T., Shah, R.C. and Ryan, J. [Clinical Epidemiology & Biostatistics Unit, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'The effect of treating hearing loss with hearing aids on plasma biomarkers of Alzheimer's disease and related dementias', *Alzheimer's and Dementia* 2026; vol.18(2), article no. e70397 [PMID: 42358562] [DOI](#)

Da Cruz, N., Armstrong, R.K., Bishop, I., Foo, G., McGillivray, G., Moody, A., Perera, S., Stark, Z., Masters, S. and Tiller, G. [Department of Neonatal Medicine, Department of Rheumatology, Royal Children's Hospital; Victorian Clinical Genetics Services, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Fulminant neonatal-onset PRAAS/CANDLE due to a de novo PSMB8 variant in an extremely preterm infant', *International Journal of Rheumatic Diseases* 2026; vol.29(Suppl. 2), pp.e70608_30 [DOI](#)

Dal, S., Macdonald-Laurs, E., Mandelstam, S., Kerr, R., Chan, E.K., Santamaria, K., Maixner, W., Wray, A., D'Arcy, C., Kokulan, R., Wrennall, J.A., Yuan-Mou Yang, J., Alexander, B., Genc, S., Barton, S.M., Coleman, M., Lockhart, P.J., Leventer, R., Freeman, J.L., Stephenson, S.E.M., Howell, K.B. and Simon Harvey, A. [Department of Neurology, Department of Medical Imaging, Department of Neurosurgery, Department of Anatomical Pathology, Department of Psychology, Neuroscience Advanced Clinical Imaging Service (NACIS), Royal Children's Hospital; Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Late-onset epileptic spasms: presentation, aetiology and outcome', *Brain Communications* 2026; vol.8(4), article no. fcag224 [PMID: 42396597] [DOI](#)

De Hora, M., Hofman, P.L., Cheong, J.L., Davis, P.G., Doyle, L.W., Francis, K.L., Kamlin, C.O.F., Manley, B.J. and McKinlay, C.J. [Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Systemic glucocorticoid activity in extremely preterm neonates after antenatal betamethasone and intratracheal budesonide: a sub-study of the PLUSS trial', *Journal of Perinatology* 2026; Jun 22 [Epub ahead of print] [PMID: 42332044] [DOI](#)

Ding, J., Cleary, S.L., Kozelj, N., Munzel, F.E., Grimes, L.M. and Morgan, P.E. [CP-ACHIEVE, NHMRC Centre for Research Excellence, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Co-design and usability evaluation of a pilot module to support health literacy development in young people with cerebral palsy: a consumer-led approach', *Disability and Health Journal* 2026; [Epub ahead of print] [PMID: 42392939] [DOI](#)

Do, T.T., Dawson McClaren, B., Gaff, C. and Martyn, M. [Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'What influenced the use of embedded genetic expertise by non-genetic clinicians: a qualitative study using the diffusion of innovations theory and theoretical domains framework', *Implementation Science Communications* 2026; Jun 22 [Epub ahead of print] [PMID: 42332837] [DOI](#)

Dong, Y., Wei, J., Xi, B., Hu, Y., Lin, Y., Li, X., Wang, H.H., Kleinert, S., Sawyer, S.M., Hu, Z. and Song, Y. [Centre for Adolescent Health, Royal Children's Hospital; Department of Paediatrics, University of Melbourne; Murdoch Children's Research Institute, Flemington Road, Parkville, Vic., Australia.], 'New responses required to address rapidly changing needs: a Lancet Commission on adolescent health and wellbeing in China', *Lancet* 2026; Jun 24 [Epub ahead of print] [PMID: 42341795] [DOI](#)

Drake, M., Scratch, S., Tavender, E., Conroy, R., Jenkin, T., Scheinberg, A., Lingard-Smith, K., Heine, K. and Knight, S. [Emergency Research, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne; Victorian Paediatric Rehabilitation Service, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Co-producing process maps to understand and support improvements in the hospital-to-school

Library Update

transition following moderate-to-severe acquired brain injury in primary school-aged children', *Journal of Neuropsychology* 2026; Jun 27 [Epub ahead of print] [PMID: 42363775] [DOI](#)

Du Berry, C., Howlin, L., Kotecha, S.J., Kotecha, S., Doyle, L.W. and Cheong, J.L.Y. [Respiratory Group, Infection, Immunity and Global Health, Clinical Sciences, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne; Department of Respiratory and Sleep Medicine, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Long-term respiratory outcomes of infants born moderate to late preterm', *Paediatric Respiratory Reviews* 2026; Jun 30 [Epub ahead of print] [PMID: 42414121] [DOI](#)

Duke, T. and Subhi, R. [Department of Paediatrics, University of Melbourne; Intensive Care Unit, Royal Children's Hospital; International Child Health, Murdoch Children's Research Institute, Flemington Road, Parkville, Vic., Australia.], 'Pneumonia research: identification of risk, use of corticosteroids and the quality of RCTs in paediatrics', *Archives of Disease in Childhood* 2026; vol.111(8), pp.665-666 [PMID: 42309670] [DOI](#)

Esposito, S., Curtis, N., Heininger, U., Knuf, M., Ladhani, S., Marshall, H., Martinon-Torres, F., Safadi, M., Spoulou, V., Taha, M.K. and Principi, N. [Department of Paediatrics, University of Melbourne; Murdoch Children's Research Institute; Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Vaccination against serogroup B meningococcal disease: current status and future perspectives - a consensus document of the World Association for Infectious Diseases and Immunological Disorders (WAidid)', *Vaccines* 2026; vol.14(6), article no. 502 [PMID: 42347623] [DOI](#)

Fergus-Mackie, J., Kline, B.L., Robevska, G., van den Bergen, J., Bell, K., Dulon, J., Lokchine, A., Touraine, P., Jaillard, S., Crismani, W., Ayers, K., Sinclair, A. and Tucker, E.J. [Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'MSH4 and MSH5 variants in premature ovarian insufficiency: a literature review and case study', *Maturitas* 2026; vol.211, article no. 109034 [PMID: 42386447] [DOI](#)

Fernández-Huerta, M., Moure, Z., Torrecillas, M., Fidalgo, B., Fernández, I., Lagarejos, E., Trejo-Zahinos, J., Piñeiro, L., Serra-Pladevall, J., Ando, N., Murray, G.L. and Espasa-Soley, M. [Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Contribution of ParC -and GyrA- mutations to fluoroquinolone treatment failures in *Mycoplasma genitalium*: a systematized review', *Sexually Transmitted Diseases* 2026; Jun 23 [Epub ahead of print] [PMID: 42330431] [DOI](#)

Finlayson, F., Spittle, A., Olsen, J., Cameron, K. and Remedios, L. [Clinical Sciences, Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Mothers' experience of supporting their very preterm child's development over the first two years of life: a qualitative reflexive thematic analysis', *Disability and Rehabilitation* 2026; Jun 29 [Epub ahead of print] [PMID: 42373562] [DOI](#)

Gascoigne, A., Pathman, L. and Penington, A. [Department of Plastic and Maxillofacial Surgery, Department of Dermatology & Vascular Anomalies, Royal Children's Hospital; Department of Paediatrics, University of Melbourne; Dermatology Research Group, Murdoch Children's Research Institute, Flemington Road, Parkville, Vic., Australia.], 'Management of arteriovenous malformations', *Clinics in Plastic Surgery* 2026; [Epub ahead of print] [DOI](#)

Gaston, J. and Nixon, R. [Department of Dermatology, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Allergic contact dermatitis caused

Library Update

by online-purchased black henna temporary tattoos', *Australasian Journal of Dermatology* 2026; Jul 5 [Epub ahead of print] [PMID: 42402005] [DOI](#)

Gaston, J., Su, J., Orchard, D., Daniel, B. and Robertson, S. [Royal Children's Hospital; Murdoch Children's Research Institute, Flemington Road, Parkville, Vic., Australia.], 'Systemic treatment burden prior to dupilumab and upadacitinib in paediatric atopic dermatitis: a retrospective audit', *Australasian Journal of Dermatology* 2026; vol.67(Suppl. 1), pp.S86-S87 [PMID: 42117156] [DOI](#)

George, J.M., Kwong, A.K.L., Pannek, K., Fiori, S., Luke, C., Finn, C., Biagioni, T., Bonezzi, L., Gordon, A., Guzzetta, A., Chatfield, M.D., Ware, R.S., Colditz, P.B. and Boyd, R.N. [Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Relationships between sequential MRI in the neonatal period and early motor repertoire in very preterm infants', *Early Human Development* 2026; vol.222, article no. 106609 [PMID: 42418875] [DOI](#)

Gil-Nagel, A., Knupp, K.G., Gunning, B., Battaglia, D.I., Thiele, E.A., Scheffer, I.E., Schoonjans, A.S., Nabbout, R., Villeneuve, N., Klotz, K.A., Specchio, N., Sanchez-Carpintero, R., Zolnowska, M., Schulz, A.L., Perrin, L., Dickson, N., Langlois, M., Lothe, A. and Sullivan, J. [Royal Children's Hospital; Murdoch Children's Research Institute, Flemington Road, Parkville, Vic., Australia.], 'Prolonged fenfluramine use in open-label studies of Dravet or Lennox-Gastaut syndromes: long-term safety, tolerability, patient global functioning, and considerations for interpreting effectiveness', *Epilepsia* 2026; Jul 4 [Epub ahead of print] [PMID: 42400405] [DOI](#)

Gimeno, H., Scott, H., Sanchez, R.M., Doohan, A., Chugh, D., Harvey, A., Stewart, K., Rosenbaum, P., Stynes, G., Edwards, K. and Knighting, K. [Neurodisability and Rehabilitation, Murdoch Children's Research Institute; Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Intervention outcomes of children with non-degenerative dystonia and associated hyperkinetic movement disorders: a scoping review', *Developmental Medicine and Child Neurology* 2026; Jun 21 [Epub ahead of print] [PMID: 42324642] [DOI](#)

Godler, D.E., Ling, L., Gamage, D., Bui, M., Field, M.J. and Amor, D.J. [Department of Paediatrics, University of Melbourne; Murdoch Children's Research Institute; Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Extended newborn screening using DNA methylation testing for fragile X syndrome in 17,107 infants', *Genetics in Medicine* 2026; vol.28(10), article no. 102646 [PMID: 42417138] [DOI](#)

Goldwasser, T., C, L.P., Evans, S., Tenbenschel, K., Garvey, W. and Sung, V. [Centre for Community Child Health, Infant, Child and Youth Mental Health, Wellbeing Service, Mental Health Service, Department of General Medicine, Royal Children's Hospital; Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'The unsettled infant: holding the baby in mind', *Medicine Today* 2026; vol.27(6), pp.12-19

Goralski, J.L., Daines, C., Pittman, J.E., Rayment, J.H., Robinson, P., Thursfield, R., Stehling, F., Ratjen, F., Ahluwalia, N., Shi, P., Lu, M., Weinstock, T.G. and Mall, M.A. [Royal Children's Hospital; Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Safety and efficacy of elexacaftor/tezacaftor/ivacaftor in children ≥ 2 years with cystic fibrosis: 96-week interim results from a phase 3 open-label extension study', *Journal of Cystic Fibrosis* 2026; Jun 19 [Epub ahead of print] [PMID: 42315414] [DOI](#)

Library Update

Gray, C., Armit, L., Babl, F.E., Dalziel, S., Borland, M.L., O'Brien, S., Tham, D., Asghari-Jafarabadi, M. and Craig, S. [Emergency Department, Royal Children's Hospital; Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Diagnostic accuracy study assessing the ability of paediatric asthma scores to predict admission following initial emergency department bronchodilator therapy: a Clinical Asthma Scoring systems in Paediatric Emergency (CASPER) study', *Archives of Disease in Childhood* 2026; Jul 2 [Epub ahead of print] [PMID: 42392843] [DOI](#)

Guo, D.S., Wijesuriya, R., Burgner, D., O'Connor, M., Goldfeld, S., Liu, R.S. and Priest, N. [Centre for Community Child Health, Clinical Epidemiology and Biostatistics Unit, Inflammatory Origins Group, Melbourne Children's LifeCourse Initiative, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne; Department of General Medicine, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Addressing socioeconomic inequities in children's cardiovascular health via positive experiences', *Academic Pediatrics* 2026; vol.26(6), article no. 103381 [PMID: 42392566] [DOI](#)

Gupta, A., Butler, G. and Quinlan, C. [Kidney Regeneration, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Genetic testing in nephrology: policy, health economics, and implications for clinical practice', *Advances in Kidney Disease and Health* 2026; vol.33(1), pp.118-126 [PMID: 42331436] [DOI](#)

Haregu, T., Zhang, S., Young, J. and Armstrong, G. [Centre for Adolescent Health, Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Examining the chronicity of suicidal thoughts and behaviors among Australian males', *Social Psychiatry and Psychiatric Epidemiology* 2026; Jul 8 [Epub ahead of print] [PMID: 42417993] [DOI](#)

Hartati, S., Koesoemadinata, R.C., Sharples, K., McAllister, S., Chaidir, L., Setiaputri, I., Emmanuel, van Crevel, R., Graham, S.M., Hill, P.C. and Alisjahbana, B. [Department of Paediatrics, University of Melbourne; Murdoch Children's Research Institute; Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Assessment of Minidock MTB for the diagnosis of tuberculosis from sputum in patients presenting to health facilities in Indonesia', *medRxiv* 2026; [Epub ahead of print] [DOI](#)

Harwood, K.H., Bannister, S., Duffull, S., Martinez, A., Ranganathan, S., Shanthikumar, S. and Gwee, A. [Department of Paediatrics, University of Melbourne; Antimicrobials Group, Murdoch Children's Research Institute; Department of Respiratory and Sleep Medicine, Department of General Medicine and Infectious Diseases, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Tobramycin pharmacokinetic and pharmacodynamic targets in people with cystic fibrosis', *British Journal of Clinical Pharmacology* 2026; Jun 11 [Epub ahead of print] [PMID: 42274081] [DOI](#)

Haynes, A., Mynard, J.P., van der Veen, M., Carson, J. and Green, D.J. [Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Early life determinants of forward compression wave intensity in adults', *medRxiv* 2026; [Epub ahead of print] [DOI](#)

Hegarty, K., Brown, C., McLindon, E., FitzPatrick, K.M. and Tarzia, L. [Intergenerational Health, Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Validation of the Coercive-Composite Abuse Scale (C-CAS) in an Australian sample of women experiencing intimate partner abuse', *BMJ Open* 2026; vol.16(6), article no. e115748 [PMID: 42323273] [DOI](#)

Library Update

Howard, F., Colagiuri, S., Lynch, T., Blaxland, A., Chaitow, J., Marsden, A., Munro, J., Senner, A., Sinnappurajar, P., Tymms, K., March, L. and Singh-Grewal, D. [Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Three years since the 2023 launch of the Australian Juvenile Arthritis Registry (AJAR): a review of the NSW/ACT cohort data', *International Journal of Rheumatic Diseases* 2026; vol.29(Suppl. 2), pp.e70608_31 [DOI](#)

Hua, M., et al. [Victorian Clinical Genetics Services, Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Pathological disruption of CELF2 shuttling causes neuronal hyperactivity, learning deficits, and seizures', *Journal of Clinical Investigation* 2026; vol.136(14), article no. e199698 [PMID: 42275152] [DOI](#)

Huang, T., Liu, Y., Cheng, H., Cai, S., Dang, J., Li, J., Yang, R., Yang, J., Song, Y., Baird, S. and Sawyer, S.M. [Department of Paediatrics, University of Melbourne; Murdoch Children's Research Institute; Centre for Adolescent Health, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Global associations of adolescent health with inclusive and sustainable well-being, 2010-2035', *Journal of Global Health* 2026; vol.16, article no. 04188 [PMID: 42396900] [DOI](#)

Huynh, T.N.M., King, A.C., Qixiang, J.C., Mulvihill, K.M., Demetriou, H., Mellor, K.C., Gladstone, R.A., Murray, G.G.R., Lorenz, O., Hung, H.C.H., Mateeva, T., Kelly, S., Pollard, A.J., Shrestha, S., Lees, J., Horsfield, S., Ganaie, F., Manna, S., Satzke, C., McGee, L., Sham, C.L.T., Goldblatt, D., Bentley, S.D. and Lo, S.W. [Infection, Immunity, and Global Health, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Global population structure and phase variation of serotype 12F *Streptococcus pneumoniae* following the introduction of pneumococcal conjugate vaccine', *bioRxiv* 2026; [Epub ahead of print] [DOI](#)

Hyde, M.K., Newman, C., Edwards, A.R., Clifford, V., Masser, B.M. and Klein, L.D. [Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Potential donors' awareness and perceived feasibility of donating human milk in Australia', *Maternal and Child Nutrition* 2026; vol.22(3), article no. e70224 [PMID: 42381598] [DOI](#)

Hyde, M.K., Newman, C., Edwards, A.R.A., Clifford, V., Masser, B.M. and Klein, L.D. [Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Potential donors' awareness and perceived feasibility of donating human milk in Australia', *Maternal and Child Nutrition* 2026; vol.22(3), article no. e70224 [PMID: 42381598] [DOI](#)

Iddagoda, J., Balu, V.V., Nugraha, R., Chin, R., Karnaneedi, S., Leeming, M.G., Williamson, N.A., Lopata, A.L. and Ruethers, T. [Centre for Food and Allergy Research (CFAR), Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Proteomic mapping of allergenic proteins reveals key differences between black tiger prawn (*Penaeus monodon*) and white leg prawn (*Litopenaeus vannamei*)', *Journal of Proteome Research* 2026; vol.25(7), pp.3253-3262 [PMID: 42263144] [DOI](#)

Jenkin, T., Mak, Z., Odorico, N., Anderson, V., Scheinberg, A., Tavender, E., Pinto, C., McKay, A., Lannin, N.A. and Knight, S. [Clinical Sciences, Murdoch Children's Research Institute; Victorian Paediatric Rehabilitation Service, Royal Children's Hospital; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Pharmacological and non-pharmacological interventions for altered consciousness and agitation following paediatric acquired brain injury: a scoping literature review', *Disability and Rehabilitation* 2026; Jun 26 [Epub ahead of print] [PMID: 42359942] [DOI](#)

Library Update

Jenkin, T., Scheinberg, A., Tavender, E., Pinto, C., Khillan, A., McKay, A., Lannin, N., Anderson, V. and Knight, S. [Clinical Sciences, Murdoch Children's Research Institute; Victorian Paediatric Rehabilitation Service, Royal Children's Hospital; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'In this together': co-designing a novel knowledge translation intervention to support understanding and management of agitation and altered consciousness following paediatric acquired brain injury', *Journal of Neuropsychology* 2026; Jun 23 [Epub ahead of print] [PMID: 42334246] [DOI](#)

Jenkins, P.E., Gorrell, S., Accurso, E.C., Eckhardt, S., Hughes, E.K., Le Grange, D., Sawyer, S.M. and Rienecke, R.D. [Department of Paediatrics, University of Melbourne; Murdoch Children's Research Institute; Centre for Adolescent Health, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Structural validity of a short form of the eating disorder examination questionnaire in adolescents diagnosed with an eating disorder', *International Journal of Eating Disorders* 2026; Jun 15 [Epub ahead of print] [PMID: 42290215] [DOI](#)

Johnston, E., Heidari, S., Karnaneedi, S., Hira, D., Kamath, S. and Lopata, A.L. [Centre for Food and Allergy Research, Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Unique sensitization patterns to allergen components in a crustacean-allergic Australian cohort', *Clinical and Translational Allergy* 2026; vol.16(6), article no. e70120 [PMID: 42274455] [DOI](#)

Johnston, E.B., Karnaneedi, S., Birosova, E., Loke, P., Lozinsky, A.C., Wong, L.S.Y., Leung, A.S.Y., Tham, E.H., Shek, L.P.C., Tang, M.L.K. and Lopata, A.L. [Centre for Food and Allergy Research, Allergy Immunology, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne; Department of Allergy and Immunology, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Characterisation of allergen profiles in commercial egg products to inform oral immunotherapy strategies in egg allergy', *Clinical and Experimental Allergy* 2026; [Epub ahead of print] [PMID: 42388106] [DOI](#)

Kamo, C., Marcus, R., Pulsan, F. and Duke, T. [Centre for International Child Health, Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Point-of-care lactate adds to prediction of outcome in children with WHO emergency signs in a low- and middle-income setting', *Paediatrics and International Child Health* 2026; vol.46(1-2), pp.40-46 [PMID: 42271664] [DOI](#)

Kanga-Parabia, A., Tutty, E., Kugenthiran, N., Caruana, J., Downie, L., Gaff, C., Lang, N., Lunke, S., Scarff, K., Stark, Z., Best, S. and Archibald, A.D. [Victorian Clinical Genetics Services, Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'How parents decide whether to have genomic newborn screening: experiences from BabyScreen', *European Journal of Human Genetics* 2026; Jun 26 [Epub ahead of print] [PMID: 42362800] [DOI](#)

Katz, N.T., Hynson, J.L. and Gillam, L. [Victorian Paediatric Palliative Care Program, Children's Bioethics Centre, Royal Children's Hospital; Department of Paediatrics, University of Melbourne; Clinical Paediatrics Group, Murdoch Children's Research Institute, Flemington Road, Parkville, Vic., Australia.], 'Shifting sands: how parents engage with the idea of their child's death', *Palliative and Supportive Care* 2026; vol.24, article no. e180 [PMID: 42343671] [DOI](#)

Kawtharany, H., Azzam, M., Khawandi, J., Hamarsha, Q., Choib, A., Alkhader, A., Nazzal, J., Alkasrawi, H., Khanfar, O., Kumar, R., Sartain, S.E., Betensky, M., Monagle, P. and Mustafa, R.A. [Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Secondary anticoagulation prophylaxis for children with antiphospholipid syndrome: a systematic review and meta-analysis', *Blood Advances* 2026; Jun 25 [Epub ahead of print] [PMID: 42349022] [DOI](#)

Kayak, E.A., McIntyre, R.E., McGain, F., Skowno, J.J., Gaff, S.J., Cooper, G., Skellern, M. and Wynn, A. [Department of Anaesthesia and Pain Management, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'A summary guide for detecting and reducing nitrous oxide infrastructure leaks in healthcare facilities', *Anaesthesia and Intensive Care* 2026; Jun 14 [Epub ahead of print] [PMID: 42290092] [DOI](#)

Kerr, J.A., Dashti, S.G., Husin, H.M., Spry, E.A., Sawyer, S.M., Moran, P., Monk-Cunliffe, J., Patton, G.C. and Olsson, C.A. [Centre for Adolescent Health, Clinical Epidemiology and Biostatistics Unit, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Personality development from early to middle adulthood in the general population and those with mental health difficulties', *Scientific Reports* 2026; Jun 14 [Epub ahead of print] [PMID: 42289456] [DOI](#)

Khan, N., Korbai, T., Gould, D. and Rutz, E. [Department of Paediatrics, University of Melbourne; Department of Orthopaedics, Royal Children's Hospital; Murdoch Children's Research Institute, Flemington Road, Parkville, Vic., Australia.], 'Salvage surgery of the hip in non-ambulatory cerebral palsy: a systematic review', *EFORT Open Reviews* 2026; vol.11(7), pp.778-790 [PMID: 42383712] [DOI](#)

Khillan, A., Verma, S., Yeomans, H., Bau, K., Doyle, C., Cooper, M.S., Amor, D.J., Berryman, C. and Harvey, A. [Neurodisability and Rehabilitation, Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Neuropathic pain in cerebral palsy and related genetic conditions: a scoping review of prevalence, characteristics, and management', *Developmental Medicine and Child Neurology* 2026; Jul 2 [Epub ahead of print] [PMID: 42393921] [DOI](#)

Klein, L.D., Lui, K., Chughtai, A.A., Osborn, D.A., Guaran, R., McPhee, A.J., Brandenburg, U., Callander, I., Amir, L.H., Sulfaro, C., Brown, R., Irving, D.O., Hoad, V., Pink, J. and Clifford, V. [Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Impact of access to pasteurised donor human milk on rates of necrotising enterocolitis in neonatal units in Australia: a cohort study', *Journal of Paediatrics and Child Health* 2026; Jul 3 [Epub ahead of print] [PMID: 42397038] [DOI](#)

Konstantinov, I.E., Nurkeyev, B., Mazine, A., Aldabergenov, E., Kuandykova, E., Tuyakbayev, B., Kabakanova, A., Kenzhebaeva, A., Kerimkulov, A., Ashirov, Z.Z., Erpashov, A. and Baigenzhin, A.K. [Department of Cardiothoracic Surgery, Royal Children's Hospital; Department of Paediatrics, University of Melbourne; Murdoch Children's Research Institute, Flemington Road, Parkville, Vic., Australia.], 'Multiple ventricular septal defects: septal reconstruction with right atrial wall', *JTCVS Techniques* 2026; [Epub ahead of print] [DOI](#)

Kraan, C.M., Springer, A., Long, J.C., Braithwaite, J., Dawson-McClaren, B. and Archibald, A.D. [Reproductive Epidemiology, Murdoch Children's Research Institute; Royal Children's Hospital; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Scoping review and recommendations for development and delivery of education resources for reproductive genetic carrier screening', *European Journal of Human Genetics* 2026; Jun 30 [Epub ahead of print] [PMID: 42380256] [DOI](#)

Kwok, A., Selman, C., Gumm, K., Read, D.J., Douglas, N. and Bourke, E.M. [Clinical Epidemiology and Biostatistics Unit, Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'The influence of hypocalcaemia on trauma patients experiencing post-induction hypotension: a retrospective observational study', *Emergency Medicine Australasia* 2026; vol.38(3), article no. e70300 [PMID: 42285729] [DOI](#)

Library Update

- Kwon, J., Munro, J., Neeland, M., Novakovic, B., Tiller, G. and Saffery, R.** [Murdoch Children's Research Institute; Royal Children's Hospital; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Systemic JIA shows distinct multi-omic signatures', *International Journal of Rheumatic Diseases* 2026; vol.29(Suppl. 2), pp.e70608_24 [DOI](#)
- Kwon, J., Munro, J., Novakovic, B., Neeland, M., Tiller, G. and Saffery, R.** [Murdoch Children's Research Institute; Royal Children's Hospital; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'GlycA as an integrated biomarker in systemic JIA', *International Journal of Rheumatic Diseases* 2026; vol.29(Suppl. 2), pp.e70608_28 [DOI](#)
- Lang, T., Omosule, C.L., Greaves, R. and Kyriakopoulou, L.G.** [Victorian Clinical Genetics Services, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Assessing neonatal and paediatric acute kidney injury: current practices and insights from the IFCC C-ETPLM International Laboratory Survey', *Clinical Chemistry and Laboratory Medicine* 2026; Jul 9 [Epub ahead of print] [PMID: 42415250] [DOI](#)
- Lee, S. and Rodrigues, M.** [Department of Dermatology, Royal Children's Hospital; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Towards greater representation of diversity in Australian dermatology clinical trials: current landscape and strategies forward', *Australasian Journal of Dermatology* 2026; Jun 25 [Epub ahead of print] [PMID: 42347737] [DOI](#)
- Lees, J.G., Zhang, H., Jiao, L., Kong, A.M., Phang, R.J., Li, L., Su, N., Bass-Stringer, S., Woo, H.H., Mukhtar, A.S., Pébay, A., Dottori, M., Corben, L., Delatycki, M., Peverill, R., Wilcox, S., Choi, J., Pullin, J.M., McCarthy, D., Napierala, J.S., Napierala, M. and Lim, S.Y.** [Bruce Lefroy Centre for Genetic Health Research, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Fratxin deficiency drives cardiac dysfunction and transcriptional dysregulation in Friedreich ataxia iPSC model', *Cell Death and Disease* 2026; Jun 23 [Epub ahead of print] [PMID: 42331777] [DOI](#)
- Legg, A., Boast, A., Piera, K., Liu, X., Wallis, S.C., McCarthy, J., Davis, J.S., Tong, S.Y.C., Gwee, A. and Roberts, J.A.** [Antimicrobials Group, Murdoch Children's Research Institute; Infectious Diseases Department, Royal Children's Hospital; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Flucloxacillin plasma and urinary concentrations with and without probenecid and urinary biomarker profiles in healthy volunteers', *British Journal of Clinical Pharmacology* 2026; Jul 7 [Epub ahead of print] [PMID: 42414075] [DOI](#)
- Lelli, S., Bleakley, L.E., Ackermann, S., Howell, K.B., Szczałuba, K., Moroni, A., Castelli, R., Melani, F., Reid, C. and Marini, C.** [Neurology Department, Royal Children's Hospital; Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Seizure worsening and sodium channel blockers in HCN1-related epilepsies: a case series', *Developmental Medicine and Child Neurology* 2026; Jun 25 [Epub ahead of print] [PMID: 42357823] [DOI](#)
- Li, D., Bottrell, S.J., Horton, S.B., Brizard, C.P. and Pepe, S.** [Department of Paediatrics, University of Melbourne; Department of Cardiac Surgery, Royal Children's Hospital; Heart Research Group, Murdoch Children's Research Institute, Flemington Road, Parkville, Vic., Australia.], 'Extracorporeal membrane oxygenation in the interstage period after Norwood and related stage I palliations in infants with single ventricle: a systematic review of incidence, risk factors, and outcomes', *Journal of the American Heart Association* 2026; vol.15(12), article no. e047642 [PMID: 42294780] [DOI](#)

Library Update

Li, J., Clark, M., Metz, D.K., Nold, M.F. and Kirkpatrick, C.M.J. [Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Clinical pharmacokinetics and pharmacodynamics of the IL-1 receptor antagonist anakinra: a systematic review', *Clinical Pharmacokinetics* 2026; vol.65(8), pp.1131-1153 [PMID: 42414846] [DOI](#)

Long, J.C., Archibald, A.D., Lamprell, K., Dawson-McClaren, B., Kraan, C., Springer, A., Dive, L., Newson, A.J., Watts, G., Holmes, I., Cutler, H., Jeet, V., Trainer, A., Best, S., Delatycki, M., Kirk, E.P., Laing, N., Ferrie, M., Freeman, L., Willcock, S., Spanos, S., Gilkes, L., Cini, J., Edwards, S., Leibowitz, R., Mahadeva, J., Foo, D., Churrua, K., Patel, R. and Braithwaite, J. [Genomics in Society, Australian Genomics, Bruce Lefroy Centre, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne; Victorian Clinical Genetics Services, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Developing general practitioner and consumer supports for genomics in Australian primary care: a mixed-methods protocol', *BMJ Open* 2026; vol.16(6), article no. e105100 [PMID: 42303393] [DOI](#)

Lundby, A., Van Eyk, J.E., Mayr, M., White, M.Y., Kirk, J.A., Achter, J.S., Fert-Bober, J., Wierer, M., Mertins, P., Lam, M.P.Y., Humphrey, S.J., Lau, E., Gramolini, A.O., Ge, Y. and Gundry, R.L. [Murdoch Children's Research Institute; Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Consensus statement on mass spectrometry-based proteomic analysis of cardiac tissue', *Nature Cardiovascular Research* 2026; vol.5(6), pp.526-540 [PMID: 42185694] [DOI](#)

Luo, Y., Zhang, Y., Nestel, D., King, S., Dixon, B.J., Royse, A., Mohan, H., Allen, P., Jackson, A., Gould, D., Green, C., Stevens, S., de Steiger, R., Eppich, W., Hodgson, R., Martinez, L.A., Perini, M. and Duchi, S. [Department of Paediatric Surgery, Royal Children's Hospital; Surgical Research, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Advancing the science of surgical education: reflections from the 2025 University of Melbourne department of surgery research showcase', *ANZ Journal of Surgery* 2026; Jun 25 [Epub ahead of print] [PMID: 42357848] [DOI](#)

Lynch, F., Gyngell, C., Best, S., Gaff, C., Downie, L., Archibald, A., Goranitis, I., Savulescu, J., Lunke, S., Stark, Z. and Vears, D.F. [Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Australian parents' perspectives on extended genomic screening: what information to return and when?', *European Journal of Human Genetics* 2026; Jun 27 [Epub ahead of print] [PMID: 42365129] [DOI](#)

Lynch, K.J., Shatte, A.B.R., Muller, J., George, K., Rossini, G., Anson, A., Hala, C., Dimmock, J., Hutchinson, D. and Teague, S. [Centre for Adolescent Health, Murdoch Children's Research Institute; Royal Children's Hospital; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'A preventive social media intervention for perinatal depression and anxiety in regional, rural, and remote communities: participatory co-design study', *Journal of Medical Internet Research* 2026; vol.28, article no. e91778 [PMID: 42269684] [DOI](#)

Lyu, R., Ruff, K.M., Palmer, C.S., Ramirez, A.E., Ormsby, A.R., Scott, D.J., Pappu, R.V., Stojanovski, D., Stroud, D.A. and Hatters, D.M. [Murdoch Children's Research Institute; Victorian Clinical Genetics Services, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'ASAP-ID: proximity labelling with small tags', *Molecular and Cellular Proteomics* 2026; vol.25(8), article no. 101616 [PMID: 42362190] [DOI](#)

Maadi, H. and Eisenstat, D.D. [Department of Paediatrics, University of Melbourne; Stem Cell Medicine, Murdoch Children's Research Institute; Children's Cancer

Library Update

- Centre, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Role of connexin-43: from cancer initiation to cancer metastasis', *Molecular Biology reports* 2026; vol.53(1), article no. 1106 [PMID: 42418107] [DOI](#)
- Maconachie, S.** [Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Spotlight on septic arthritis', *Sonography* 2026; vol.13(Suppl. 1), pp.59 [DOI](#)
- Markovic, A., Kurth, S. and Zimmermann, P.** [Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Perinatal antibiotic exposure and infant sleep behavior: findings from the ABERRANT study', *Pediatric Research* 2026; Jun 30 [Epub ahead of print] [PMID: 42380320] [DOI](#)
- Mazine, A., Fricke, T.A. and Konstantinov, I.E.** [Department of Cardiothoracic Surgery, Royal Children's Hospital; Department of Paediatrics, University of Melbourne; Heart Research Group, Murdoch Children's Research Institute, Flemington Road, Parkville, Vic., Australia.], 'Commentary: The Ross operation and the evolving armamentarium for neo-aortic valve dysfunction', *Journal of Thoracic and Cardiovascular Surgery* 2026; Jun 12 [Epub ahead of print] [PMID: 42285286] [DOI](#)
- McComish, J., Bell, L. and Kausman, J.** [Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Response to: "Do transfusion-related HLA antibodies always indicate clinically relevant sensitisation?"', *Pediatric Nephrology* 2026; vol.41(10), pp.3671 [PMID: 42315659] [DOI](#)
- McComish, J.S., Brewster, J., Brizard, C.P., Carreiro, E., Hogan, C., Hu, R., Ng, I., Paul, S., Williams, D., Zantomio, D. and Daly, J.** [Cardiac Surgery Unit, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'HLA selected red cell transfusions to prevent HLA sensitisation: a prospective, double-blinded, randomised controlled trial', *Transplant Immunology* 2026; vol.97, article no. 102412 [PMID: 42336250] [DOI](#)
- McGuigan, A., Pagnamenta, A.T., Covill, L.E., Samson, J., Camps, C., Chen, Y., Moitra, T., Chundru, K., O'Heir, E., Allan, K., Arno, G., Broomfield, A., Delatycki, M., Lin, S., Michaelides, M., Rius, R., Roscioli, T., Simons, C., Webster, A., White, S.M., Wilson, L., Sanders, S.J., O'Donnell-Luria, A., Ellingford, J.M., Taylor, J.C. and Whiffin, N.** [Victorian Clinical Genetics Services, Centre for Population Genomics, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'A genome-wide deletion map in 125,730 individuals for novel rare disease gene and variant discovery', *medRxiv* 2026; [Epub ahead of print] [PMID: 42180369] [DOI](#)
- Middleton, B.F., Crooks, K., Taylor, K., Harwood, E., Clark, K.K., Kent, C., McCrory, K., Hefler, M., Kaufman, J., Durrheim, D.N. and Danchin, M.H.** [Vaccine Uptake Group, Murdoch Children's Research Institute; Faculty of Medicine, Dentistry and Health Sciences, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Drivers of vaccine uptake for Aboriginal and Torres Strait Islander children to inform tailored strategies: a qualitative study exploring health service provider perspective', *Medical Journal of Australia* 2026; vol.224(7), pp.e70233 [PMID: 42383576] [DOI](#)
- Morgan, V. and Osborne, J.** [Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Sunprotection in sport - policy and a call to arms', *Australasian Journal of Dermatology* 2026; vol.67(Suppl. 1), pp.593 [PMID: 42117178] [DOI](#)
- Musabirema, F., Webster, H.H., Mushumbamwiza, H., Kayitesi, C., Tupe, A., Sambe, N., Chizyuka, N., Ngwije, A., Kateera, B., Rukundo, A., Ntuhumbya, J.B., Musafiri, S., Subhi, R., Burhin, M., Graham, H.R., Lam, F. and Ntihakose, C.K.** [Melbourne Children's Global Health, Murdoch Children's

Library Update

Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'A retrospective cohort assessing practices of hypoxemia management for inpatients of Rwandan public hospitals', *Discover Public Health* 2026; vol.23(1), article no. 935 [PMID: 42318354] [DOI](#)

Muscara, F., Scheinberg, A., O'Sullivan, C., Drevensek, S., Urquart, A., Knight, S., Armstrong, S., Banerjee, K., Carroll, T., Chong, J., Cooper, M.S., French, K., Harben, J., Innes, A., Lunn, E., Malony, E., Manila, D., Moody, R., Russo, R., Shaw, A. and Mackay, M.T. [Clinical Sciences, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne; Psychology Service, Victorian Paediatric Rehabilitation Service, Neurodevelopment & Disability, Neurology Department, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Modified Delphi study to establish consensus on an Australasian minimum data set for pediatric stroke rehabilitation', *Stroke* 2026; vol.57(8), pp. 2452-2466 [PMID: 42299663] [DOI](#)

Nicholson, O.A. and Levi, E. [Department of Otolaryngology, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Outcomes of single-stage excision in infected preauricular sinus: a retrospective cohort study', *International Journal of Pediatric Otorhinolaryngology* 2026; vol.207, article no. 112913 [PMID: 42391915] [DOI](#)

Normand, F., Gajwani, M., Cao, T., Cruddas, J., Sangchooli, A., Oldham, S., Holmes, A., Robinson, P.A., Pang, J.C. and Fornito, A. [Developmental Imaging, Murdoch Children's Research Institute; Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Geometric constraints on the architecture of mammalian cortical connectomes', *Cell* 2026; vol.189(17), pp.5283-5303.e17 [PMID: 42361798] [DOI](#)

Ong, S.W.X., Patrikar, A., Pinto, R., Mahar, R.K., Rishu, A., Davis, J.S., Fowler, R.A., Tong, S.Y.C. and Daneman, N. [Clinical Epidemiology and Biostatistics Unit, Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Application of a novel desirability of outcome ranking endpoint incorporating a framework for resistance assessment and microbiologic evaluation in antibiotic trials: a proof-of-concept in a post hoc analysis of the BALANCE trial', *Open Forum Infectious Diseases* 2026; vol.13(6), article no. ofag142 [PMID: 42338985] [DOI](#)

Overmars, I., Kaufman, J., Nguyen, T.A., Tran, L., Nguyen, T.M., Nguyen, N.A.V., Trang, C.H., Vidmar, S., Muthu, M., Fox, G., Shrestha, S., Seale, H. and Danchin, M. [Vaccine Uptake Group, Clinical Epidemiology and Biostatistics Unit, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne; Department of General Medicine, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Pragmatic RE-AIM evaluation of the Train-the-Trainer Vaccine Champions program in Vietnam', *Annals of Global Health* 2026; vol.92(1), article no. 47 [DOI](#)

Paller, A.S., Su, J., Siegfried, E.C., Cork, M.J., Eichenfield, L., Morita, H., Spall, M., Khokhar, F., Ma, Y., Tong, T. and Prescilla, R. [Murdoch Children's Research Institute; Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Dupilumab's long-term lab safety in young patients with AD: 3-year phase 3 data', *Australasian Journal of Dermatology* 2026; vol.67(Suppl. 1), pp.S14 [DOI](#)

Payne, J.M., Haebich, K.M., Chisholm, A.K., Walsh, K.S., Lami, F., Ure, A., Maloof, T., Brignell, A., Hearps, S.J.C., Maier, A., Darke, H., Rothman, Y., Rau, S., Barton, B., Shrestha, R., Pascouau, R., Hogan, N.L., Eng, Y.F., Dabscheck, G., Anderson, V.A., Coghill, D., North, K.N. and Pride, N.A. [Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne; Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Autism in neurofibromatosis type 1: prevalence, phenotype and

Library Update

clinical implications', *Molecular Autism* 2026; Jul 1 [Epub ahead of print] [PMID: 42387549] [DOI](#)

Pepe, S. [Heart Research Group, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne; Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Optimising cardiovascular care delivery with precision and equity', *Heart, Lung and Circulation* 2026; vol.35(7), pp.869-871 [PMID: 42392645] [DOI](#)

Pitt, M.E., Zhang, J., Nguyen, A.N.T., Hall, M.B., Jebeli, L., Featherstone, L.A., Myers, G.S.A., Scott, N.E. and Coin, L.J.M. [Enteric Diseases Group, Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Interrogating the Escherichia coli epitranscriptome via CRISPR interference and Nanopore native RNA sequencing', *bioRxiv* 2026; [Epub ahead of print] [DOI](#)

Prince, S., Walvisch, J., Baum, M., Hai, T., Pacaud, D., Savulescu, J. and Cameron, F. [Murdoch Children's Research Institute; Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Cognitive bioprediction and moral responsibility: foreseeability, control and the ethics of anticipated cognitive impairment', *AJOB Neuroscience* 2026; Jun 25 [Epub ahead of print] [PMID: 42345357] [DOI](#)

Prince, S., Wilkinson, D.J.C., Schaefer, G.O., Lip, F., Earp, B.D. and Savulescu, J. [Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Artificial intelligence and medical futility', *BMC Medical Informatics and Decision Making* 2026; Jun 17 [Epub ahead of print] [PMID: 42310694] [DOI](#)

Ramantani, G., et al. [Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Pediatric epilepsy surgery: global survey of invasive explorations', *Epilepsia* 2026; Jun 11 [Epub ahead of print] [PMID: 42274288] [DOI](#)

Reid, R.A., Mavoa, S., Gilmartin-Thomas, J., Foster, S. and Rachele, J.N. [Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Environmental moderators of neighbourhood socioeconomic inequalities in mental health: a systematic review protocol', *Systematic Reviews* 2026; Jun 30 [Epub ahead of print] [PMID: 42380970] [DOI](#)

Robertson, R., Downey, A., Williams, D., Makein, B., Dunne, B., Ozturk, T., Gu, Y. and McIntyre, R. [Department of Anaesthesia and Pain Management, Royal Children's Hospital; Department of Anaesthetics and Pain, Murdoch Children's Research Institute, Flemington Road, Parkville, Vic., Australia.], 'Reducing nitrous oxide emissions across the Melbourne biomedical precinct', *Medical Journal of Australia* 2026; vol.224(7), article no. e70243 [PMID: 42402525] [DOI](#)

Robin, N., Barra, N.G., Foley, K.P., Li, Y.E., Tamrakar, A.K., Patoli, D., Rebalka, I.A., Cree, T., Bibby, K., Nguyen, K., Davis, R., Chan, D.Y., Duggan, B.M., Henriksbo, B.D., Borges, M.E., Kukje Zada, D., Fang, H., Marko, D.M., Gregorevic, P., Watt, K.I., Mills, R.J., Sweeney, G., Hawke, T.J., Py, B.F. and Schertzer, J.D. [Novo Nordisk Foundation Center for Stem Cell Medicine (reNEW), Murdoch Children's Research Institute; Royal Children's Hospital; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Statins promote muscle metabolic danger and NLRP3-mediated myopathy via lower protein-prenylation and YAP', *Science Advances* 2026; vol.12(25), article no. eadz3612 [PMID: 42319925] [DOI](#)

Robinson, P. and Yokote, M. [Department of Respiratory and Sleep Medicine, Royal Children's Hospital; Department of Paediatrics, University of Melbourne; Murdoch Children's Research Institute, Flemington Road, Parkville, Vic., Australia.], 'Early structural lung changes in primary ciliary dyskinesia (PCD)', *Pediatric Pulmonology* 2026; vol.61(7), article no. e71731 [PMID: 42411566] [DOI](#)

Library Update

Robinson, P., Yokote, M. and Bar-On, O. [Department of Respiratory and Sleep Medicine, Royal Children's Hospital; Respiratory Research Group, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Airway imaging practices in primary ciliary dyskinesia: a global survey to guide standardized guidelines', *British Journal of Radiology* 2026; Jun 29 [Epub ahead of print] [PMID: 42371776] [DOI](#)

Rodrigues, F., White, M. and O'Connell, M.A. [Murdoch Children's Research Institute; Department of Endocrinology and Diabetes, Royal Children's Hospital; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Hyperlipidaemia in youth with type 1 diabetes: are current guidelines clinically useful?', *Diabetic Medicine* 2026; Jul 1 [Epub ahead of print] [PMID: 42387672] [DOI](#)

Rwebembera, J., Spaziani, A., Atala, J., Nambogo, J.L., Pulle, J., Ndagire, E., Atukunda, M., Sarnacki, R., Nunes, M.C., Klein, J., Zimmerman, M., Aliku, T., Chavez, L.M.T., Lawrenson, J., Selman, C., Grobler, A., Steer, A.C., Okello, E., Beaton, A., Sable, C. and Nakanjako, D. [Infection, Immunity and Global Health, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Operational performance of the 2023 World Heart Federation screening criteria for rheumatic heart disease in a high-risk, resource-limited population', *Open Heart* 2026; vol.13(2), article no. e004196 [PMID: 42419874] [DOI](#)

Saha, S., Georgiou-Karistianis, N., Teo, V., Corben, L.A., Szmulewicz, D.J., Strike, L.T., Franca, M.C., Rezende, T.J.R. and Harding, I.H. [Bruce Lefroy Centre for Genetic Health Research, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Multimodal MRI and machine learning uncovers distinct progression patterns in Friedreich ataxia', *medRxiv* 2026; [Epub ahead of print] [DOI](#)

Savarirayan, R., Hoover-Fong, J., Irving, M., Arundel, P., de Bergua, J.M., Campeau, P.M., Candler, T., Cocanougher, B.T., Cormier-Daire, V., Edouard, T., Fredwall, S.O., Harmatz, P., Hoernschemeyer, D., Irgens, H.U., Jamuar, S., Kannu, P., Legare, J.M., Leiva-Gea, A., McDevitt, H., Onesimo, R., Phillips, J., 3rd, Del Pino, M., Robinson, M.E., Rossi, M., Skae, M., Ward, L.M., White, K.K., Schmidt, J., Lystig, T., Salvatici, A., Bai, Y., Butler, P.W., van Veenhuyzen, D. and Rogoff, D. [Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Phase 3 trial of oral infigratinib in children with achondroplasia', *New England Journal of Medicine* 2026; Jun 28 [Epub ahead of print] [PMID: 42370681] [DOI](#)

Scully, J.L., Hodgson, J., McDougall, R., Kint, L.T., Holmes, I., Laginha, K.J. and Newson, A.J. [Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Information, access, and stress: ethical insights from parents' views on autonomy in expanded prenatal testing', *Journal of Bioethical Inquiry* 2026; [Epub ahead of print] [PMID: 42223556] [DOI](#)

Selvik, K.L.I., Strandås, B.M.E., Olsson, C.A., Braaten, T. and Bjerkeset, O. [LifeCourse, Murdoch Children's Research Institute; Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Associations of perceived family economy, registry-based parental education and income with adolescent psychological distress: the Young-HUNT cross-sectional studies 2006-2008 and 2017-2019', *BMJ Open* 2026; vol.16(6), article no. e111941 [PMID: 42270102] [DOI](#)

Sexton, H., Rutherford, T., Bekhor, P., Upjohn, E. and Swan, B. [Department of Dermatology, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Specimen marking and orientation practices in Mohs micrographic

Library Update

surgery: an Australian cross sectional study of recent Mohs fellows', *Australasian Journal of Dermatology* 2026; vol.67(Suppl. 1), pp.S82 [PMID: 42117159] [DOI](#)

Shaw, L. and Lyons, K. [Emergency Research, Murdoch Children's Research Institute; Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'A theory-informed framework for conducting a national needs assessment to inform interdisciplinary FHIR training programs', *Health Policy and Technology* 2026; vol.15(8), article no. 101272 [DOI](#)

Silverberg, J.I., Eichenfield, L.F., Hebert, A.A., Hayes, A. and Su, J. [Murdoch Children's Research Institute; Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Efficacy and safety of tapinarof cream 1% once daily in moderate to severe atopic dermatitis: results from two phase 3 trials', *Australasian Journal of Dermatology* 2026; vol.67(Suppl. 1), pp.S12 [DOI](#)

Scripkaskaite, S., Geulayov, G., Fazel, M. and Borschmann, R. [Centre for Adolescent Health, Murdoch Children's Research Institute; Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Patterns of help-seeking for mental health problems in 1001 self-identified neurodivergent adolescents who self-harm', *JCPP Advances* 2026; vol.6(2), article no. e70050 [PMID: 42291685] [DOI](#)

Smith, M.C., Wang, Q., Pierce, K.E., Marsilio, K., Wakefield, C.E., Howell, K.B., Palmer, E.E. and Kelada, L. [Murdoch Children's Research Institute; Neurology Department, Royal Children's Hospital; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'The psychosocial supports and interventions accessed by family members of patients with developmental and epileptic encephalopathies: a systematic review', *Epilepsy and Behavior* 2026; vol.184, article no. 111185 [PMID: 42419101] [DOI](#)

Smith, M.G., Smith, N., McKenzie, G. and Harvey, A. [Neurodisability and Rehabilitation, Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Test-retest reliability and measurement error of the pain interference questionnaire for cerebral palsy and the fear of pain questionnaire adapted for cerebral palsy', *Journal of Patient-Reported Outcomes* 2026; Jun 17 [Epub ahead of print] [PMID: 42310144] [DOI](#)

Soeters, H.M., et al. [Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'The Global Pediatric Diarrhea Surveillance network: rationale and methods', *medRxiv* 2026; [Epub ahead of print] [DOI](#)

Sotiropoulos, J.X., Manley, B.J., Libesman, S., Ambalavanan, N., Das, A., McKinlay, C.J.D., Panigrahy, N., Cruz, M., Nguyen, D., Williams, J., Davis, P., Hunter, K.E. and Seidler, A.L. [Clinical Sciences, Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Budesonide and surfactant therapy versus surfactant alone on incidence of lung disease in preterm infants (BEST Lung): study protocol for a systematic review and individual participant data meta-analysis with nested prospective meta-analysis', *Acta Paediatrica* 2026; Jun 14 [Epub ahead of print] [PMID: 42289845] [DOI](#)

Spittle, A. and Passmore, E. [Developmental Imaging Group, Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Automating the general movements assessment: potential, pitfalls, and a path forward', *Developmental Medicine and Child Neurology* 2026; [PMID: 42310941] [DOI](#)

Stogdale, G., Mungun, T., Ulziibayar, M., Batsaikhan, P., Suuri, B., Luvsantseren, D., Narangerel, D., Tsolmon, B., Ortika, B.D., Pell, C.L., Boelsen, L.K., Dunne, E.M., Gessner, B.D., Mulholland, E.K., Satzke, C. and von Mollendorf, C. [Department of Paediatrics, University of Melbourne; Infection, Immunity and Global Health, Murdoch Children's Research Institute; Royal

Library Update

Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Risk factors for pneumococcal carriage in Mongolian adults with community acquired pneumonia', *SSRN* 2026; [Epub ahead of print] [DOI](#)

Stone, S., Walsh, A.D., Sol-Foulon, N., Pennings, L., Martin, E., Arce, L.B., Leventer, R.J., Kilpatrick, T.J., Lockhart, P.J., Zalc, B., Ansell, B.R.E. and Binder, M.D. [Royal Children's Hospital; Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'The transcriptional landscape of human microglia reveals strong conservation of miRNAs and preservation of function across vertebrate species', *bioRxiv* 2026; [Epub ahead of print] [DOI](#)

Streefkerk, N., Geller, J.I., Knight, K., Ansari, M., Papadakis, V., Calaminus, G., Masroor, A., Huitema, A.D.R., Pasqualini, C., Rutkowski, S., Bouffet, E., Am Zehnhoff-Dinnesen, A., Caniza, M., van de Wetering, M.D., Delano, P., Rajput, K.M., Weerdenburg, H., Frazier, A.L., Hoetink, A.E., van Grotel, M., Gaspar, N., Shaikh, F., Fresneau, B., O'Neill, A.F., Veal, G.J., Sullivan, M., Brock, P.R. and van den Heuvel-Eibrink, M.M. [Children's Cancer Centre, Department of Paediatric Oncology, Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Avoiding cisplatin-related hearing loss, including implementing sodium thiosulfate as otoprotectant into daily pediatric clinical practice: proceedings based on evidence and expert opinion from the ototoxicity taskforce of the SIOP supportive care network', *Ear and Hearing* 2026; Jun 26 [Epub ahead of print] [PMID: 42370844] [DOI](#)

Su, J. [Murdoch Children's Research Institute; Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Tapinarof cream 1% once daily: results from ADORING 3, a 48 week phase 3 trial in atopic dermatitis', *Australasian Journal of Dermatology* 2026; vol.67(Suppl. 1), pp.S13-S14 [DOI](#)

Subhi, R., Burhin, M., Sogbesan, A., Muramuzi, D., Bakare, A.A., Falade, A.G., Kitutu, F.E., Ssengooba, F., King, C., Dawson-McClaren, B., Bluebond-Langner, M., Kane, S. and Graham, H.R. [Murdoch Children's Research Institute; Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'From permission to pride: a realist synthesis of how to improve emergency care for children in low-income and lower-middle-income countries', *Lancet Global Health* 2026; vol.14(7), article no. 103972 [PMID: 42285122] [DOI](#)

Swansson, W., Winship, I., McClatchy, J. and Scardamaglia, L. [Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Recognising phenotypic heterogeneity in KRAS-associated vascular malformations', *Australasian Journal of Dermatology* 2026; vol.67(Suppl. 1), pp.S85 [PMID: 42117156] [DOI](#)

Tomlin, M.L., Bendall, C., Loke, P. and Bennett, C.J. [Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Prevalence of feeding difficulties in children with non-IgE mediated food allergies: a systematic review', *Clinical and Experimental Allergy* 2026; Jun 25 [Epub ahead of print] [PMID: 42348246] [DOI](#)

Toumbourou, J.W., Osborn, A., Varcoe, J., Smith, R., Doery, E., Kremer, P., Abraham, C., Benstead, M., Coomber, K. and Rowland, B. [Centre for Adolescent Health, Centre for Community Child Health, Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Design and feasibility trial of interventions to reduce young adult alcohol use with communities that care coalitions', *Prevention Science* 2026; Jul 6 [Epub ahead of print] [PMID: 42406296] [DOI](#)

Tran, D.M., Le, D.K., Ngoc, T.T., Tran, T.T.T., Greaves, R.F., Loh, T.P. and Tran, M.T.C. [Victorian Clinical Genetics Services, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic.,

Library Update

Australia.], 'Impact of age partitioning on classification discordance in pediatric ferritin reference intervals', *Clinical Chemistry and Laboratory Medicine* 2026; Jul 1 [Epub ahead of print] [PMID: 42378338] [DOI](#)

Tran, M., Ranaweera, K., Ngo, T., Pathirana, P.N., Milne, S.C., Horne, M., Delatycki, M.B. and Corben, L.A. [Bruce Lefroy Centre for Genetic Health Research, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Domain adaptation for IMU data to enhance objective assessment of Friedreich ataxia', *IEEE Journal of Biomedical and Health Informatics* 2026; [Epub ahead of print] [PMID: 42268757] [DOI](#)

Tutty, E., Archibald, A.D., Dawson-McClaren, B.J., Patrick, C., Delatycki, M.B. and Lewis, S. [Department of Paediatrics, University of Melbourne; Reproductive Epidemiology, Clinical Epidemiology & Biostatistics Unit, Bruce Lefroy Centre, Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Psychosocial outcomes of reproductive genetic carrier screening up to five years post-result', *European Journal of Human Genetics* 2026; Jun 26 [Epub ahead of print] [PMID: 42362799] [DOI](#)

Vasiliadis, S., Cook, J., Nissan, K., Vidmar, S., Grobler, A.C., Cook, W., Hopkins, K., Lepage, C., Thomson, A., Danchin, M. and Kaufman, J. [Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne; Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Effectiveness of an online vaccine misinformation game for Arabic-speaking Australians: a randomized controlled trial', *Frontiers in Public Health* 2026; vol.14, article no. 1768612 [PMID: 42293646] [DOI](#)

Wang, Y., Hui, K.Y., Lu, S.F., Lui, Q.C.H., Ma, L., Theparambil Asharaf, S., Lak, D., Coghill, D., Ip, P., Lee, T.M.C. and Tso, W.W.Y. [Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'A double-blind randomized controlled trial of personalized upper-alpha neurofeedback in children with ADHD', *Journal of Child Psychology and Psychiatry, and Allied Disciplines* 2026; Jun 21 [Epub ahead of print] [PMID: 42324882] [DOI](#)

Warton, C. and Vears, D.F. [Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Personal values, professional responsibilities and non-invasive prenatal testing: reflections of genetic counsellors in Australia', *Journal of Community Genetics* 2026; vol.17(3), article no. 75 [PMID: 42295616] [DOI](#)

Welland, M.J., Ahlquist, K.D., De Fazio, P., Austin-Tse, C., Pais, L., Wedd, L., Bryen, S., Rius, R., Franklin, M., Morrison, C., Hall, G., Gauthier, L., Bloemendal, A., Francis, D.I., Mallett, A.J., Mallawaarachchi, A., Lockhart, P.J., Leventer, R., Scheffer, I.E., Howell, K.B., Kassahn, K.S., Scott, H.S., McGaughan, J., Christodoulou, J., Thorburn, D.R., Thompson, B.A., Patel, C.V., Smith, G., O'Donnell-Luria, A., Sadedin, S., Rehm, H.L., Lunke, S., Wander, J., Samocha, K.E., Simons, C., MacArthur, D.G. and Stark, Z. [Centre for Population Genomics, Victorian Clinical Genetics Services, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne; Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Automated reanalysis of genomic data for rare disease diagnostics at scale', *Nature Medicine* 2026; vol.32(8), pp.2991-2999 [PMID: 42343115] [DOI](#)

Williams, A.J., Rhodes, C.A., Cleare, S., Borschmann, R., Gross, J.J., Petrova, K., Posada, L., Tench, C.R., Chapman-Nisar, A., Martin, L., Hollis, C., Townsend, E. and Slovak, P. [Centre for Adolescent Health, Murdoch Children's Research Institute; Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'A socially assistive robot to support mental wellbeing

Library Update

in LGBTQ+ young people at risk of self-harm: a randomized controlled trial', *Nature Medicine* 2026; vol.32(6), pp.2267-2276 [PMID: 42243547] [DOI](#)

Williams, P.C.M., Jones, A.H., Duguid, R., Phuong, L.K., Gwee, A., Johnston, N., Butters, C., Oftadeh, S., Chen, S., Koirala, A., Homaira, N., Kandasamy, R., Bartlett, A.W., Jaffe, A., McMullan, B., Palasanthiran, P., Wijeratne, P., Britton, P., Fathima, P., Snelling, T.N., Sintchenko, V. and Jayasinghe, S. [Royal Children's Hospital; Infection, Immunity and Global Health, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'The evolving epidemiology of invasive pneumococcal disease in Australian children: a multicentre retrospective observational study', *Open Forum Infectious Diseases* 2026; vol.13(6), article no. ofag275 [PMID: 42338984] [DOI](#)

Wilson, W.M., Aldweib, N., Celermajer, D.S., Opotowsky, A.R., Dehghani, P., Roos-Hesselink, J., Dellborg, M., Baker, D., Aboulhosn, J., Antonova, P., Fernandes, S., Ginde, S., Han, F., O'Donnell, C., Rodriguez-Monserrate, C.P., Fusco, F., John, A.S., Wong, J., Yeung, E., Sarubbi, B., Pylypchuk, S., Shah, S., Kay, J., Cramer, J., Cotts, T., Gupta, T., Burchill, L.J., Khairy, P., Muhll, I.V., van Dissel, A., Grewal, J., Magalski, A., Gallego, P., Rodriguez, F., 3rd, Kuo, M., Kauling, R.M., DeZorzi, C., Krieger, E.V., Kutty, S., Nicolarsen, J., Broberg, C.S. and Cheung, M. [Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Pulmonary hypertension in adults with a systemic right ventricle (biventricular circulation)', *JACC: Advances* 2026; vol.5(8), article no. 102974 [PMID: 42391650] [DOI](#)

Wirth, S.H., Beaton, A.Z. and Steer, A. [Murdoch Children's Research Institute; Royal Children's Hospital, Flemington Road, Parkville, Vic., Australia.], 'Streptococcus pyogenes and acute rheumatic fever: how strong are the links in the chain?', *Global Heart* 2026; vol.21(1), article no. 48 [PMID: 42327996] [DOI](#)

Yanes, T., Cole, T., Kane, A., King, J., Pinzon-Charry, A., Hsiao, K.C. and McNaughton, P. [Infection and Immunity, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Parkville, Vic., Australia.], 'Australasian Society of Clinical Immunology and Allergy consensus statement on IEI molecular diagnosis', *Journal of Human Immunity* 2026; vol.2(5), article no. e20250250 [PMID: 42312137] [DOI](#)

Yeoh, M., McCreery, A., Ranson, N., Davis, P.G., Malone, S., Cole, S. and Hodgson, K.A. [Murdoch Children's Research Institute, Parkville, Vic., Australia.], 'Neonatal outcomes following antenatal identification of twin-to-twin transfusion syndrome', *Acta Paediatrica* 2026; Jun 22 [Epub ahead of print] [PMID: 42333042] [DOI](#)

Yiu, E.M., Dissanayake, D., Cunningham, J., Branson, H., Scott, O. and Yeh, E.A. [Department of Neurology, Royal Children's Hospital; Neuroscience Research Group, Murdoch Children's Research Institute; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'Inborn errors of immunity in children with neuroinflammation', *Developmental Medicine and Child Neurology* 2026; Jun 21 [Epub ahead of print] [PMID: 42324742] [DOI](#)

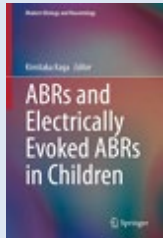
Yong, N., Cao, M., Anderson, E., Downie, L., Rance, G., Bai, J., Liddle, K., Howard, A., Smith, L., Sung, V. and Wang, J. [Murdoch Children's Research Institute; Royal Children's Hospital; Department of Paediatrics, University of Melbourne, Flemington Road, Parkville, Vic., Australia.], 'The genetic causes of auditory neuropathy: a systematic review', *Journal of Clinical Medicine* 2026; vol.15(11), article no. 4260 [PMID: 42279121] [DOI](#)

Library Update

BOOKS

[online]

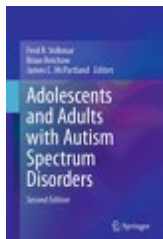
[ABRs and electrically evoked ABRs in children](#) / edited by Kimitaka Kaga. Springer, 2022



While there are many publications in this field, this new volume reviews hearing problems and neurological disorders in babies, infants and children, and discusses important new advances such as ABR figure and threshold changes with infant development. The book also covers auditory neuropathy, its numerous and new sub-classifications. Readers will be thoroughly briefed on all the new perspectives in interpreting data. Researchers and clinicians will find the text to be a valuable tool in the correct diagnosis of hearing problems and neurological diseases among babies and infant.

[online]

[Adolescents and adults with autism spectrum disorders](#) / edited by Fred R. Volkmar, Brian Reichow and James C. McPartland. 2nd ed. Springer, 2024



This book examines the numerous research and practice advances with regard to adolescents and adults with autism spectrum disorders (ASD). Expert contributors offer cogent reviews of complex issues, from education to employment, leisure activities to illegal behaviors, mental health issues to medical health concerns. The volume explores the latest findings in key areas, such as psychosocial and residential treatments, social skills programs, epidemiology, the impact of ASD on families. It focuses on areas of research and practice that require improved models of assessment, current data, new interventions, and increased support services.

[online]

[Anesthesia STAT! Acute pediatric emergencies in PACU: a clinical casebook](#) / edited by Susan Verghese. Springer, 2023



This vital clinical resource for perioperative healthcare professionals bridges the gap between patient handoff and immediate post-operative recovery. It emphasizes continuous monitoring and safety in the Post-Anesthesia Care Unit (PACU). Written by leaders in pediatric anesthesiology, the text presents 24 critical clinical scenarios requiring urgent intervention. This practical guide equips anesthesia and recovery teams to swiftly recognize complications, manage acute pediatric emergencies, and reduce the frequency of urgent emergency calls.

[online]

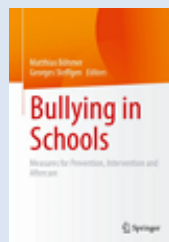
[Atlas of neurodevelopmental pathology](#) / Patrick Shannon, Sumit Das and Yael Fisher. Springer, 2026



This book provides high-quality images along with concise descriptions of the various malformations and neurodevelopmental disorders of the central nervous system (CNS). It shares complex neuropathological findings noted in the vast number of CNS malformations that the authors have encountered over a number of years. Chapters also contain guidelines on how to effectively perform perinatal brain removals at necropsy as well as guidelines for post-mortem examination of brain and spinal cord specimens from patients with neurodevelopmental anomalies.

[online]

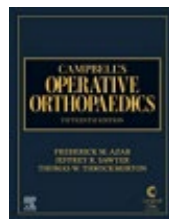
[Bullying in schools: measures for prevention, intervention and aftercare](#) / edited by Matthias Böhmer, Georges Steffgen. Springer, 2024



This essential text for school psychologists, clinical practitioners, and adolescent health professionals provides a comprehensive, evidence-based exploration of school victimization. Framing bullying as a complex group phenomenon involving the entire classroom, it details the profound systemic and long-term psychological consequences for all students. The authors evaluate eleven distinct anti-bullying programs, equipping professionals with proactive prevention and acute intervention strategies. Crucially, the guide addresses a frequent gap in care by highlighting expert-led aftercare concepts, facilitating holistic, long-term psychosocial recovery for affected youth.

[online]

[Campbell's Operative orthopaedics](#) / edited by Frederick M. Azar, Jeffrey R. Sawyer and Thomas W. Throckmorton. 15th ed. Elsevier, 2027

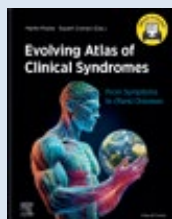


This remains the most trusted and widely used comprehensive resource in the complex field of orthopaedic surgery. For trainees, it is an essential reference on every aspect of the field; for practitioners, it is a must-have clinical tool to help ensure optimal outcomes for every patient. Contributors have ensured that this fully revised text is unparalleled in scope and depth, with updated diagnostic images, practical guidance on when and how to perform every procedure, and rapid access to data in preparation for surgical cases or patient evaluation.

Library Update

[online]

[Evolving atlas of clinical syndromes: from symptoms to \(rare\) disease](#) / edited by Martin Mucke, Rupert Conrad. Elsevier GmbH, Urban & Fischer Verlag, 2026



This text is a continuously growing reference project that currently covers over 250 (rare) diseases presented in alphabetical order. With each new edition, additional syndromes are added, reflecting ongoing advances in medical knowledge.

The book's clear, fact sheet-style structure features a uniform format complemented by numerous illustrations, facilitating quick reference and ease of use. Designed for students, medical doctors, and researchers across clinical practice, teaching, and research, it enables efficient deduction of diagnoses based on symptoms. The book supports differential diagnostic precision and provides access to further literature.

[online]

[The meaning of the child interview: making sense of parent-child relationships](#) / edited by Ben Grey. Palgrave Mcmillan, 2026



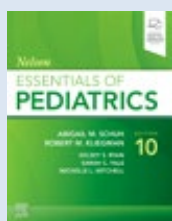
This practical handbook introduces the Meaning of the Child Interview (MotC), a semi-structured tool for exploring parent-child relationships, parenting experiences and family dynamics. It explains how the MotC can be analysed and applied in clinical practice, intervention planning and research.

Written for child welfare and mental health professionals, it provides an accessible introduction without assuming prior knowledge of attachment or caregiving research.

Examples and summaries help illustrate the approach and its application across different contexts. A particular strength is its focus on how parents describe their experiences and relationships in the context of adversity.

[online]

[Nelson Essentials of pediatrics](#) / edited by Abigail M. Schuh, Waldo E. Nelson. 10th ed. Elsevier, 2027



This 10th edition is concise, readable, and up to date—perfect for clinical rotations, coursework, and exam preparation. This comprehensive, trusted reference is ideal for medical students, pediatric residents, attendings, and advanced practice providers (APPs), offering a full-color format; high-yield, targeted chapters; and thorough content updates that ensure strong coverage of core knowledge as well as recent advances in the field.

[online]

[Next-gen healthcare: AI-powered medical innovations](#) / Nour Eldeen M. Khalifa. Springer, 2026



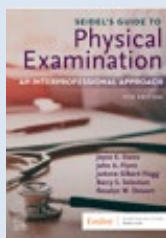
This title surveys how AI is transforming medicine from core methods to clinical deployment, emphasizing that technological power must be balanced with resilience, safety, and ethics.

Part I covers the foundations of trustworthy medical AI, including adversarial defenses, cross-population generalization, optimized fine-tuning, interpretability for high-stakes decisions, and frontiers like quantum neural networks, ending with large language models focused on error detection, privacy, and patient safety.

Part II applies AI methods to real-world domains: early Alzheimer's and dementia diagnosis, oncology via lymphoma response prediction, chronic disease management with diabetes stratification and retinopathy detection, and extensions into dermatology, obesity, and mental health. The book's introduce safeguards first, then generalizable and cutting-edge methods, ending with disease-focused AI applications. Its philosophy that safety underpins innovation and clinical impact, offering both a map of today's medical AI and a guide to future opportunities.

[online]

[Seidel's Guide to physical examination: an interprofessional approach](#) / edited by Joyce E. Dains ... [et al.]. 11th ed. Elsevier, 2027



This updated guide provides a comprehensive approach to physical examination and health assessment for students and practitioners across health professions. The 11th edition emphasises systematic assessment, clinical reasoning and effective communication, with content designed

to support both learning and clinical practice. The text covers health history, physical examination techniques and assessment of patients across the lifespan. Clear explanations, practical guidance and visual resources help readers develop and refine examination skills, while an emphasis on interprofessional practice reflects the collaborative nature of contemporary healthcare.

The guide also connects examination findings with clinical decision-making, helping readers understand not only how to perform an assessment but how to interpret what they observe. Suitable for nursing, medical, physician assistant and other health professional students, this is a useful reference for developing core assessment skills. It will also serve as a practical refresher for clinicians seeking to review examination techniques and approaches to patient assessment.

Library Update

[online]

[Technology to support children's collaborative interactions: close encounters of the shared kind](#) / Nicola Yuill. Springer, 2021



This book examines how digital technologies can encourage collaboration, communication and social interaction between children. Drawing on developmental psychology, education and human-computer interaction, it explores technologies designed for children to work and play together. It considers how shared digital experiences can influence relationships and learning, and the principles involved in designing effective collaborative technologies. The book will interest researchers and practitioners in child development, education, psychology and technology design.

[online]

[Textbook of pediatric rheumatology](#) / edited by Ross E. Petty. 9th ed. Elsevier, 2027



This comprehensive reference covers the diagnosis and management of rheumatic diseases in infants, children and adolescents. The ninth edition addresses conditions including juvenile idiopathic arthritis, connective tissue diseases, vasculitis, autoinflammatory disorders and other musculoskeletal conditions. Clinical assessment, investigation and treatment are discussed alongside developmental and psychosocial considerations. It provides a detailed foundation for trainees and a useful reference for paediatricians, rheumatologists and other health professionals managing children and young people with rheumatic disease.

[online]

[Transesophageal echocardiography in pediatric congenital cardiac surgery and catheter intervention](#) / Shen-Kou Tsai, Jou-Kou Wang and Shyh-Jye Chen. Springer, 2023



This specialist reference examines the use of transesophageal echocardiography in children undergoing congenital cardiac surgery and catheter-based interventions. It covers TEE principles, imaging techniques, interpretation and its role in perioperative decision-making. Clinical examples and detailed imaging support understanding of complex congenital cardiac anatomy and pathology. The book will be particularly useful to paediatric cardiologists, cardiac anaesthetists, surgeons, echocardiographers and other health professionals involved in the assessment and management of children undergoing cardiac procedures.

[online]

[Violence against children: contributions of the bioecological theory of human development to research and intervention](#) / edited by Luisa Fernanda Habigzang, Alex Sandro Gomes Pessoa, and Silvia Renata Lordello. Springer, 2025



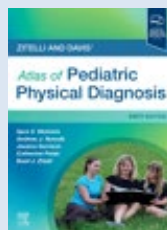
This edited volume applies Bronfenbrenner's bioecological theory of human development (BTHD) to the problem of violence against children, examining it across family, school, community, institutional, and structural contexts. Using the person-process-context-time (PPCT) framework, contributors analyze risk and protective factors at multiple ecological levels, pushing intervention design beyond individual-focused models toward systemic, contextual responses.

Chapters address intrafamilial sexual abuse, emotional violence, school-based violence, racism, war, and violence linked to drug trafficking, incorporating intersectional and decolonial perspectives throughout. For health professionals, it offers a coherent theoretical scaffold for understanding why violence against children rarely has a single cause, and for designing interventions that engage family, community, and policy layers together rather than treating the child in isolation.

This is a valuable resource for those working across mental health, social services, and child protection.

[online]

[Zitelli and Davis' Atlas of pediatric physical diagnosis](#) / edited by Sara C. McIntire. 9th ed. Elsevier, 2027



Now in its ninth edition, this long-established atlas remains a benchmark visual reference for pediatric diagnosis. It pairs thousands of high-quality clinical photographs with concise, authoritative text covering history-taking, examination technique, and diagnostic reasoning across the full range of pediatric conditions, from genetic and dysmorphic syndromes to dermatology, cardiology, endocrinology, and child abuse and neglect.

The thorough revision sharpens visual pattern-recognition skills essential for accurate diagnosis at the bedside, and updated coverage reflects current clinical practice.

Aimed at pediatricians, family physicians, nurse practitioners, and trainees, its comprehensive, well-organized structure makes it equally suited to quick point-of-care reference and to structured teaching, reinforcing why it has remained a trusted standard through multiple editions.