

BIOGRAPHICAL SKETCH

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NAME: WILMSHURST, JO

eRA COMMONS USER NAME (credential, e.g., agency login): JOWILMSHURST

POSITION TITLE: PROFESSOR OF PAEDIATRIC NEUROLOGY

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE	YEAR	FIELD OF STUDY
University of Cape Town	Doctor of Medicine	2009	Paediatrics (Peripheral Neuropathies)
Health Professions Council of South Africa	Sub-specialty accreditation	2002	Paediatric Neurology
College of Medicine of South Africa	Fellowship of College of Paediatricians	2000	Paediatrics
The Children's Hospital at Westmead, Sydney	Novartis Epilepsy Fellowship	1999-2000	Neurophysiology
The Children's Hospital at Westmead, Sydney	Peel Trust Travelling Fellowship	1999-2000	Peripheral neuropathy
Guy's Hospital, King's College Hospital	CCST subspecialist (UK)	1996-1999	Paediatric Neurology
Great Ormond Street Children's Hospital, Guy's Hospital	Certificate of Completion Specialist Training (UK)	1994-1996	Paediatrics
Royal College of Physicians, London, Guy's Hospital, London	MRCP (UK)	1994	Paediatrics
	MB BS	1984-1989	Medicine

A: Personal statement

I am head of the Paediatric Neurology service for Red Cross War Memorial Children's Hospital. This is a teaching hospital affiliated to the University of Cape Town. It is the largest children's hospital in sub-Saharan Africa which cares for children from across the region. I am involved in clinical service provision for children with neurological complications, inclusive of a dedicated neuromuscular service, as well as a complex epilepsy service and have been involved in research studies in these areas. I have been PI and co-investigator on a number of University and MRC grants. I have successfully administered these projects (e.g. staffing, research protections, budget), collaborated with other researchers, and produced several peer-reviewed publications from each project. I have headed and contributed to a number of systematic reviews through my work for the International League Against Epilepsy. I am president of the International Child Neurology Association (2018-2022). My areas of research interest include epilepsy, neuromuscular diseases, neurocutaneous disorders and neuroinfections, especially HIV. In addition to my position as head of paediatric neurology and I am also director of a training program for doctors from Africa, the African Paediatric Fellowship Program. This training program initiated by the University of Cape aims at developing skills in paediatric disciplines for doctors from across Africa. The program is focused at skills retention through relevant training in Africa by Africans to develop leaders in child health. To date over 120 doctors have trained through the program from 14 African countries with 95% 5 year retention rates.

B. Positions and Honors

Sept 2009-present Director of the African Paediatric Fellowship Program
Feb 2000 – present Head of Paediatric Neurology and Neurophysiology Departments, Red Cross War Memorial Children's Hospital, University of Cape Town, South Africa
1999- 2000 Senior Registrar Paediatric Neurology, (Epilepsy Fellow), The New Children's Hospital at Westmead, Sydney, Australia
1996 –1998 Senior Registrar Paediatric Neurology, United Medical and Dental School King's, Guy's, King's and St. Thomas's Hospitals, London

Offices held

2004-present Executive Committee Member, Paediatric Neurology and Neurodevelopmental Association of South Africa (PANDA).
2004-2005 Treasurer, South African branch of International League Against Epilepsy
2006-present Executive Member of the Board, International Child Neurology Association
2010-2014, re-elected 2014-2018; Secretary, International Child Neurology Association
2010-present Executive Member of the Board, African Child Neurology Association

2010-present	Committee Member of Pediatric Commission, ILAE
2010-2014	Chair of the Infantile seizures guidelines task force, ILAE
2011-present	Chair for Education, African Commission, ILAE
2012-2014	Co-chair of the Guidelines committee, ILAE
2012-2015	WFN, member of the Education committee
2013-2017	Chair of the Pediatric Commission, ILAE
2013-2016	Secretary, SA chapter ILAE
2017-2021	ILAE TF/ Commissions – Pediatrics, Education, Epilepsy Surgery, Genetics, Neuropsychiatry, Africa
2018-2022	President of International Child Neurology Association

C. Contribution to Science

As the major training centre for child neurology in sub-Saharan Africa, I have, and am, supervising postgraduate students (since 2009 masters n=14 completed, with n=7 currently completing) as well as four PhD students. Total: > 110 publications, H-index 23

Key areas of research

Epilepsy

International collaborations

International League Against Epilepsy

Pediatric Commission (immediate past-chair)

- International Infantile seizure guidelines (collaborative group with authors from global representation) – completed 2015, update 2021
- International neonatal guidelines – updating the previously published guidelines 2018 – present (ongoing)
- Co-morbidities of epilepsy – establishing internationally recognized evidence based guidelines for various sub-areas –collaborations across multiple centres with leaders in the field – *published in Epilepsia 2018*
- Advocacy – based on the recent WHO resolution – examining how the care for children can be improved based on this resolution – Published as a report endorsed and under the ILAE *2018 in Epilepsia Open*. Current study exploring research in Epilepsy trends in Africa.
- Neuropsychiatry task force collaboration with Ped Commission – paper published in *Epilepsia Open* on transition of care for children with intellectual disability and epilepsy.
- Adaptation of guidelines – development of frameworks to ensure transition of guidelines into clinical practice. Already commenced in part with PET (paediatric epilepsy training courses) rolled out in Cape Town (Feb 2016) establishing an African teaching faculty. (Many of the faculty represent past / present APFP trainees, who are also part of the research network for paed neurosciences). **To date over 1000 health practitioners trained in Africa on the course.**
- Paediatric neurosurgery task force - sits across Pediatric Commission and Epilepsy surgery commission – completed several surveys and will lead to various publications – good network of international contacts.

Africa Commission

- Education chair (2011-current)
- Promotion of PET courses in Africa

Education Commission

- Curriculum committee – on-line course, Primary health care curriculum (2017-current)
- Certification committee (2019-current)

Genetic Commission

- Assisting update of the current guidelines for genetic testing (2019-current)

Lancet / Lancet Neurology Task Force

- COVID guidelines for people with epilepsy (published Neurology 2020)
- Developing reports which are current and relevant to practical and pragmatic care for people with epilepsy (2019-current)

Direct UCT / department paediatric neurology projects

Masters projects

- Role of melatonin to acquire sleep EEG studies in children (std: Roland Ibekwe sup: JW) (passed masters project and published)
- Vitamin D deficiency in children with epilepsy and receiving antiepileptic drugs (std: Edward Kija / sup: JW) – passed masters (distinction) and published
 - External funding from ICNA global burden of diseases research awards
 - And World Federation of Neurology educational training awards
 - Collaborative project with the University of Wisconsin, neuropharmacology and neuroendocrinology department
- Absence epilepsy and ADHD in South Africa population (std Tando Quville / sup: JW)
 - Collaborative project with UCT neuropsychology department
- Epidemiology of epilepsy in children in Western Cape of SA (std Sally Ackermann / sup: JW) – passed masters (distinction) and published
- Status epilepticus – randomized controlled trial reviewing optimal intervention for children in SE (stds: Richard Burman and Sarahlouse Nsanta / sup: JW and Heloise Buys)
- Lennox-Gastaut syndrome – demographics of an African population (std Robert Sebunya / sup JW) – masters project
- Epileptic spasms – delineation of the cohort of affected infants n=160 (std Sharika Rage / sup JW) – masters project

PhD

- Genetics of the epileptic encephalopathies of South Africa using Next Generation Sequencing (std Alina Esterhuizen / sups JW and Raj Ramasar)
 - Collaborative project with UCT molecular genetics and Molecular genetics department, Seattle University
 - Data collected from >200 patients – novel data already generated – 2 publications completed and 2 more underway.
 - Funding: MRC / NHLS

Other epilepsy projects

- Training in electroencephalography (Veena Kander – co-sup with JW of Diploma – basic EEG and management of children with epilepsy)

Related Publications in last 5 years

- Kander V, Wilmshurst JM. Training doctors in basic EEG: analysis of a learning tool relevant to resource-limited settings. *Epileptic Disord*. 2015 Mar;17(1):58-66; quiz 66.
- Ackermann S, Wilmshurst JM. Medical management of children with epilepsy. *Minerva Pediatr*. 2015 Mar;67(1):47-74.
- Wilmshurst JM, Burman R, Gaillard WD, Cross JH. Treatment of infants with epilepsy: Common practices around the world. *Epilepsia*. 2015 Jul;56(7):1033-46.
- Megaw K, Wilmshurst JM. The Keilah Foundation: Making the ketogenic diet viable for children in Africa. *Epilepsia*. 2015 Apr;56(4):514-6.
- Williams N, Nefdt WM, Wilmshurst JM. Epilepsy South Africa: Turning obstacles into true potential. *Epilepsia*. 2015 Feb;56(2):184-7.
- Wilmshurst JM, Gaillard WD, Vinayan KP, Tsuchida TN, Plouin P, Van Bogaert P, Carrizosa J, Elia M, Craiu D, Jovic NJ, Nordli D, Hirtz D, Wong V, Glauser T, Mizrahi EM, Cross JH. Summary of recommendations for the management of infantile seizures: Task Force Report for the ILAE Commission of Pediatrics. *Epilepsia*. 2015 Aug;56(8):1185-97.
- Sauro KM, Wiebe S, Dunkley C, Janszky J, Kumlien E, Moshé S, Nakasato N, Pedley TA, Perucca E, Senties H, Thomas SV, Wang Y, Wilmshurst J, Jetté N. The current state of epilepsy guidelines: A systematic review. *Epilepsia*. 2016 Jan;57(1):13-23.
- Wilmshurst JM, Ibekwe RC, O'Callaghan FJ. Epileptic spasms - 175 years on: Trying to teach an old dog new tricks. *Seizure*. 2017;44:81-86.
- Ibekwe, R. Jeaven, L. Wilmshurst JM. The role of Melatonin to attain Electroencephalograms in Children in a sub-Saharan African setting. In press *Seizure: Europ J Epilep* Aug 2017
- Wilmshurst JM, Selco M, Guekt A, Cross JH, Perucca E. Advocacy In children with Epilepsy. *ILAE TF. Epilepsia Open* 2018 May 14;3(2):167-174
- Esterhuizen A, Carvill G, Ramasar R, Kuriuki S, Newton C, Wilmshurst JM. Relevance of genetic analysis for people with Epilepsy in Africa. *Frontiers in Neurology* 2018 May 2;9:276
- Raga SV, Wilmshurst JM. Epileptic spasms: Evidence for oral corticosteroids and implications for low and middle income countries. *Seizure*. 2018 Jul;59:90-98
- Auvin S, Wirrell E, Donald KA, Berl M, Hartmann H, Valente KD, Van Bogaert P, Cross JH, Osawa M, Kanemura H, Aihara M, Guerreiro MM, Samia P, Vinayan KP, Smith ML, Carmant L, Kerr M, Hermann B, Dunn D, Wilmshurst JM. Systematic review of the screening, diagnosis, and management of ADHD in children with epilepsy. Consensus paper of the Task Force on Comorbidities of the ILAE Pediatric Commission. *Epilepsia*. 2018 Oct;59(10):1867-1880.
- Burman RJ, Wilmshurst JM, Gebauer S, Weise L, Walker KG, Donald KA. Seizures in Children with HIV infection in South Africa: A retrospective case control study. *Seizure*. 2019 Jan 28;65:159-165
- Blümcke I, Arzimanoglou A, Beniczky S, Wiebe S; EpiEd Task Force. Roadmap for a competency-based educational curriculum in epileptology: report of the Epilepsy Education Task Force of the International League Against Epilepsy. *Epileptic Disord*. 2019 Mar 20. doi: 10.1684/epd.2019.1039. [Epub ahead of print]
- Burman RJ, Ackermann S, Shapson-Coe A, Ndondo A, Buys H, Wilmshurst JM. A Comparison of Parenteral Phenobarbital vs. Parenteral Phenytoin as Second-Line Management for Pediatric Convulsive Status Epilepticus in a Resource-Limited Setting. *Front Neurol*. 2019 May 15;10:506. doi: 10.3389/fneur.2019.00506. eCollection 2019.
- Kija E, Gidal BE, Shapson-Coe A, Cader S, van der Watt G, Delport S, Wilmshurst JM. Vitamin D abnormalities and bone turn over analysis in children with epilepsy in the Western Cape of South Africa. *Seizure*. 2019 Apr 29;69:186-192.
- Aliyu MH, Abdullahi AT, Ilyasu Z, Salihu AS, Adamu H, Sabo U, Garcia JP, Abdullahi SU, Mande A, Xian H, Yakasai HM, Schootman M, Ingles DJ, Patel AA, Yakasai A, Curry Johnson S, Wudil UJ, DeBaun MR, Trevathan E; BRIDGE Advisory Panel. Bridging the childhood epilepsy treatment gap in northern Nigeria (BRIDGE): Rationale and design of pre-clinical trial studies. *Contemp Clin Trials Commun*. 2019 Apr 16;15:100362. doi: 10.1016/j.conctc.2019.100362. eCollection 2019 Sep.
- Samia P, Hassell J, Hudson JA, Murithi MK, Kariuki SM, Newton CR, Wilmshurst JM. Epilepsy diagnosis and management of children in Kenya: review of current literature. *Res Rep Trop Med*. 2019 Jun 28;10:91-102
- Ackermann S, Le Roux S, Wilmshurst JM. Epidemiology of children with epilepsy at a tertiary referral centre in South Africa. *Seizure*. 2019 Aug;70:82-89.
- Burman RJ, Selfe JS, Lee JH, van den Berg M, Calin A, Codadu NK, Wright R, Newey SE, Parrish RR, Katz AA, Wilmshurst JM, Akerman CJ, Trevelyan AJ, Raimondo JV. Excitatory GABAergic signalling is associated with benzodiazepine resistance in status epilepticus. *Brain*. 2019 Sep 23. pii: awz283. doi: 10.1093/brain/awz283. [Epub ahead of print]
- Wilmshurst JM. Treatment of status epilepticus in children: where in the world are we now? *Dev Med Child Neurol*. 2020 Feb;62(2):152.
- R van Rensburg, M Blockman, K Moodley, J M Wilmshurst. Medical cannabis: What practitioners need to know. *S Afr Med J* 2020;110(3):192-196.
- French JA, Brodie MJ, Caraballo R, Devinsky O, Ding D, Jehi L, Jette N, Kanner A, Modi AC, Newton CR, Patel AA, Pennell PB, Perucca E, Sander JW, Scheffer IE, Singh G, Williams E, Wilmshurst J, Cross JH. Keeping people with epilepsy safe during the COVID-19 pandemic. *Neurology*. 2020 Jun 9;94(23):1032-1037.

International Child Neurology Association collaborations

- Reports on capacity in Africa for child neurology, epilepsy, cerebral palsy and autism – published in a series of articles in JCN
- Similar the child neurology African network compiled a special issue for Seminars in Pediatric Neurology in 2014

Related publications in last 5 years

ICNA capacity in Africa series

- Donald, KA; Samia, P; Kakooza, A.; Babakir, H.; Bearden, D.; Wammanda, R.; Mallewa, M.; Majnemer, A.; Fehlings, D.; Shevell, M.; Chugani, H.; Wilmshurst, J. Cerebral Palsy in Africa: Where are we? *Journal of Child Neurology*. 2015 Jul;30(8):963-71.
- Ruparella K, Abubakar A, Badoe E, Bakare M, Visser K, Chugani DC, Chugani HT, Donald KA, Wilmshurst JM, Shih A, Skuse D, Newton CR. Autism Spectrum Disorders in Africa: Current Challenges in Identification, Assessment, and Treatment: A Report on the International Child Neurology Association Meeting on ASD in Africa, Ghana, April 3-5, 2014. *J Child Neurol*. 2016 Jul;31(8):1018-26
- Wilmshurst J. Paediatric neurology in Africa: filling the gap. *Dev Med Child Neurol*. 2017 Feb;59(2):113.

Other key publications (APFP related)

1. Wilmshurst JM, Morrow B, du Preez A, Githanga D, Kennedy N, Zar HJ. The African Pediatric Fellowship Program: Training in Africa for Africans. *Pediatrics*. 2016 Jan;137(1):1-12.
2. Wilmshurst J. Protecting the developing brain: empowering child neurologists to become more preventative. *Dev Med Child Neurol*. 2018 Nov;60(11):1067.
3. Daniels AD, Buys H, Dunkley R, Wilmshurst JM. [The African Hospitalist Fellowship](#). *S Afr Med J*. 2017 Oct 31;107(11):945-947.

Neuromuscular disorders

International Centre For Genomic Medicine In Neuromuscular Diseases – 2019-

- Multicentre MRC award to genophenotype wide population groups
- PhD students embedded into the research
- JW co-investigator for project overall and PhD supervisor for the UCT PhD std
- Collaboration with University College London via MRC award.

Related publications in last 5 years

1. Rokach O, Sekulic-Jablanovic M, Voermans N, Wilmshurst J, Pillay K, Heytens L, Zhou H, Muntoni F, Gautel M, Nevo Y, Mitrani-Rosenbaum S, Attali R, Finotti A, Gambari R, Mosca B, Jungbluth H, Zorzato F, Treves S. Epigenetic changes as a common trigger of muscle weakness in congenital myopathies. *Hum Mol Genet*. 2015 Aug 15;24(16):4636-47.
2. Esterhuizen AI, Greenberg LJ, Ballo R, Goliath RG, Wilmshurst JM. Duchenne muscular dystrophy in the Western Cape, South Africa: Where do we come from and where are we going? *S Afr Med J*. 2016 May 25;106(6 Suppl 1):S67-71.
3. Chaya S, Zampoli M, Gray D, Booth J, Riordan G, Ndondo A, Fieggen K, Rusch JA, van der Watt G, Pillay K, van der Westhuizen FH, Menezes M, Wilmshurst JM. The first case of riboflavin transporter deficiency in sub-Saharan Africa. *Sem Ped Neurol* 2018 Jul;26:10-14
4. van der Pijl J, Argent A, van Dijk M, Wilmshurst JM, Zampoli M. Acute flaccid paralysis in South African children: causes, respiratory complications and neurological outcome. *Journal of Paediatrics and Child Health*. 2018 Mar;54(3):247-253
5. Jalloh A, Mathiassen W, Wessels T-M, Ndondo A, & Wilmshurst J. (2019). Development of a Duchenne Muscular Dystrophy registry for children in South Africa to optimize care. *Journal of the International Child Neurology Association*.
<https://doi.org/https://doi.org/10.17724/jicna.2018.146>
6. Wilmshurst JM, Ouvrier RA, Ryan MM. [Peripheral nerve disease secondary to systemic conditions in children](#). *Ther Adv Neurol Disord*. 2019 Aug 12;12:1756286419866367. doi: 10.1177/1756286419866367.
7. HUTTON H. & WILMSHURST J. The assessment and management of pain in children with GuillainBarré Syndrome in a sub-Saharan setting. *JICNA* 2019, 19:144

Book chapters

1. Jo M Wilmshurst, Ciarlini and De Girolami. Nerve biopsy. In: H Royden Jones, DC De Vivo, BT Darras (eds). 2nd edition *Neuromuscular disorders of infancy and childhood: A clinicians approach*. Boston: Butterworth Heinemann 2015; Chapter 5: 66-83
2. Jo M Wilmshurst and Robert Ouvrier. Neuropathies secondary to systemic disease. In: H Royden Jones, DC De Vivo, BT Darras (eds). 2nd edition *Neuromuscular disorders of infancy and childhood: A clinicians approach*. Boston: Butterworth Heinemann 2015; Chapter 20:339-359

Neuroinfections:

Related publications in last 5 years

1. Donald KA, Walker KG, Kilborn T, Carrara H, Langerak NG, Eley B, Wilmshurst JM. HIV Encephalopathy: pediatric case series description and insights from the clinic coalface. *AIDS Res Ther*. 2015 Jan 17;12(1):2.
2. Kija E, Ndondo A, Spittal G, Hardie DR, Eley B, Wilmshurst JM. Subacute sclerosing panencephalitis in South African children following the measles outbreak between 2009 and 2011. *S Afr Med J*. 2015 Sep 14;105(9):713-8.
3. Hammond CK, Eley B, Wieselthaler N, Ndondo A, Wilmshurst JM. Cerebrovascular disease in children with HIV-1 infection. *Dev Med Child Neurol*. 2016 May;58(5):452-60.
4. Hammond CK, Shapson-Coe A, Govender R, van Toorn R, Ndondo A, Wieselthaler N, Eley B, Mubaiwa L, Wilmshurst JM. Moyamoya Syndrome in South African Children With HIV-1 Infection. *J Child Neurol*. 2016 Jul;31(8):1010-7.
5. Charles K Hammond, Brian Eley, and Jo M Wilmshurst Neuropsychiatric complications of efavirenz in children with HIV infection *Future Virology*, June 2016 ,Vol. 11, No. 6 , Pages 469-480
6. Kija E, Ndondo A, Spittal G, Hardie DR, Eley B, Wilmshurst JM. Subacute sclerosing panencephalitis in South African children following the measles outbreak between 2009 and 2011. *S Afr Med J*. 2015 Sep 14;105(9):713-8.
7. Rohlwick UK, Donald K, Gavine B, Padayachy L, Wilmshurst JM, Fieggen GA, Figaji AA. Clinical characteristics and neurodevelopmental outcomes of children with tuberculous meningitis and hydrocephalus. *Dev Med Child Neurol*. 2016 May;58(5):461-8.
8. Mohammed Mekki,¹ Brian Eley,² Diana Hardie,³ Jo M Wilmshurst¹ Subacute sclerosing panencephalitis: preventable, life-threatening, and with worldwide implications. *DMCN* 2019 in press.
9. Angius F, Smuts H, Rybicka K, Stelitano D, Eley B, Wilmshurst J, Ferren M, Lalande A, Mathieu C, Moscona A, Horvat B, Hashiguchi T, Porotto M, Hardie D. Analysis of a subacute sclerosing panencephalitis (SSPE) Genotype B3 virus from the 2009/10 South African measles epidemic shows hyperfusogenic F proteins contribute to measles virus infection in the brain. *J Virol*. 2019 Feb 5;93(4). pii: e01700-18.
10. Jallow S, Wilmshurst JM, Howard W, Copelyn J, Seakamela L, Chan KW, Sebunya R, Sibiyi R, Du Plessis H, Jacobs C, Berkowitz N, Blumberg L, McCarthy K, Maseti E, Kamupira M, Dlamini N, Gumede N, Diop OM, Lau YL, Moonsamy S, Eley B, Suchard M. Accelerated immunodeficiency-associated vaccine derived poliovirus serotype 3 (iVDPV3) sequence evolution rate in a 3-month old boy with X-linked agammaglobulinemia and perinatal HIV exposure. *Clin Infect Dis*. 2020 Jan 1;70(1):132-135.
11. Hammond CK, Eley B, Ing N, Wilmshurst JM. [Neuropsychiatric and Neurocognitive Manifestations in HIV-Infected Children Treated With Efavirenz in South Africa-A Retrospective Case Series](#). *Front Neurol*. 2019 Jul 9;10:742.
12. Copelyn J, Hincks JR, Wilmshurst JM, Petersen W, Howard W, Jallow S, Moonsamy S, Seakamela L, Suchard M, Collett MS, Eley B. Clearance of Immunodeficiency-associated Vaccine-derived Poliovirus Infection With Pivapavir. *Pediatr Infect Dis J*. 2020 Mar 2.
13. Dlamini N, Pohl K, Eley B, Van Toorn R, Kilborn T, Padayachee S, Pontigon AM, Kirkham FJ, Wilmshurst J. Stroke transcranial Doppler in children with human immunodeficiency virus. *Dev Med Child Neurol*. 2020 Jan 8.
14. Moodley S, Goddard E, Levin M, Scott C, van Eyssen a, Davidson A, de Decker R, Wilmshurst JM, Spitaels A, Eley B. A retrospective description of primary immunodeficiency diseases at Red Cross War Memorial Children's Hospital, Cape Town, South Africa, 1975 – 2017. *S Afr Med J* 2020;110(3):197-203.

Book chapter

1. Wilmshurst, J.M., Hammond C.K., Donald K., Hoare J., Cohen K., and Eley B. *NeuroAIDS in children* In: Brew JB, ed. *The Neurology of HIV Infection*. San Diego: Elsevier BV, 2018: 99-116

Neurocutaneous disorders

Related publications in last 5 years

1. Samia P, Donald KA, Schlegel B, Wilmshurst JM. Parental Understanding of Tuberous Sclerosis Complex. *J Child Neurol*. 2015 Sep;30(10):1281-6
2. Kija E, Schlegel B, Samia P, Wessels M, Wilmshurst JM [Tuberous sclerosis complex in the Western Cape, South Africa: The clinical presentation features](#). *S Afr Med J*. 2017 Mar 29;107(4):295-298.
3. Nabbout R, Belousova E, Benedik MP, Carter T, Cottin V, Curatolo P, Dahlin M, D'Amato L, d'Augères GB, de Vries PJ, Ferreira JC, Feucht M, Fladrowski C, Hertzberg C, Jozwiak S, Lawson JA, Macaya A, Marques R, O'Callaghan F, Qin J, Sander V, Sauter M, Shah S, Takahashi Y, Touraine R, Youroukos S, Zonnenberg B, Jansen A, Kingswood JC; TOSCA Consortium and TOSCA Investigators. [Epilepsy in tuberous sclerosis complex: Findings from the TOSCA Study](#). *Epilepsia Open*. 2018 Dec 21;4(1):73-84

Neuroautoimmune

Related publications in last 5 years

1. Walker KG, de Vries PJ, Stein DJ, Wilmshurst JM. [Sydenham Chorea and PANDAS in South Africa: Review of Evidence and Recommendations for Management in Resource-Poor Countries](#). *J Child Neurol*. 2015 Jun;30(7):850-9
 2. Gregorowski C, Lochner C, Martin L, Simmons C, Kidd M, Walker K, Wilmshurst JM, Seedat S. Neuropsychological manifestations in children with Sydenham's chorea after adjunct intravenous immunoglobulin and standard treatment. *Metab Brain Dis*. 2016; 31(1):205-12
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D. Additional Information: Research Support and/or Scholastic Performance

Research Funding over last 5 years

01/01/16-12/01/21 03707, NRF (National Research Foundation) Role: PI

INCENTIVE FUNDING FOR RATED RESEARCHER (IPRR) Research award – rated B3

07/17/15-09/30/18 NHLS Research Trust Application, Role: co-PI (with Prof R Ramesar)

Delineation of the Genetic Causes and Expression of Epileptic Encephalopathies in South African children. Novel research in collaboration with molecular genetics and University of Seattle.

05/01/16-05/01/18 395476, MRC (Medical research council) Role: PI

Delineation of the Genetic Causes and expression of complex epilepsies in South African children. Novel research in collaboration with molecular genetics (UCT) and overseas units (University of Seattle).

10/01/13-10/01/17 CRAD001MIC01 Novartis Role: PI

An international disease registry collecting data on manifestations, interventions and outcome in patients with Tuberous sclerosis complex – TOSCA. National PI for the collection of data on children in South Africa. This is part of an international registry and Red Cross Children's Hospital is the only centre in sub-Saharan Africa.

01/06/2019-31/12/2023 Establishment of an International Centre for Genomic Medicine in Neuromuscular Diseases (ICGNMD) Role UCT co-investigator and PI for PhD student

Multicentre MRC grant with University College London, UK. SA Lead Participants are: Primary Investigator (PI): Prof FH vd Westhuizen (NWU), Co-PI: Prof JM Heckmann (UCT), with co-investigators: Prof JM Wilmshurst (UCT), Prof I Smuts (UP), Dr F Henning (SU) and Prof S Bardien (SU)

Journal Editorial Board:

- Board of Directors of the Journal of Child Neurology (2010-present)
- Editorial Board e-journal through ICNApedia - Journal of the International Child Neurology Association (JICNA) (2012-present)
- Editorial board for Seizure: the European Journal of Epilepsy (2011-present)
- Editorial board for Epileptic Disorders (2013-present)
- Editorial board for Developmental Medicine and Child Neurology (2014-2019)
- Assistant Editor for Epilepsia. (2012-present)
- Chief Editor for Paediatric Neurology sub-section of Frontiers in Neurology (2018-present)
- Associate Editor for Developmental Medicine and Child Neurology (2019-present)