



Department of Paediatrics & Child Health



UNIVERSITY OF CAPE TOWN

ANNUAL RESEARCH DAYS 2018



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**Programme and Abstract Book
30th & 31st October
D3 Lecture Theatre, D Floor
Red Cross War Memorial Children's Hospital**

CPD Points for Tuesday, 30 October 2018 and Wednesday, 31 October 2018

Please sign the attendance register on both days to claim your points.

PROGRAMME AND CONTENTS PAGE

Oral Presentations		Page No.
Tuesday, 30 October 2018		
12H15 – 12H25	<i>Welcome and Opening</i>	A. Argent
12H25 – 13H10	Keynote Address: “ <i>Genetic Medicine in Africa: Challenges, Prospect and Call for Action.</i> ”	A. Wonkam
Session 1: Chairperson:		G. Riordan
13H15 – 13H30	Insight into the molecular pathways of inflammation and injury in patients with tuberculous meningitis.	U. Rohlwick
13H30 – 13H45	Structural and functional brain network connectivity in prenatal alcohol exposed neonates as assessed by multimodal brain imaging.	A. Roos
13H45 – 14H00	Investigating inflammatory mediators in the brain extracellular fluid of paediatric patients with tuberculous meningitis using brain microdialysis monitoring.	N. Loxton
14H00 – 14H15	Risk and protective factors for child development in the first 2 years of life in a South African birth cohort.	K. Donald
14H15 – 14H25	Breathing is Life! Inspiratory muscle training in children and adolescents living with neuromuscular diseases.	A. Human
14H25 – 15H00	T E A & POSTERS	
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Session 2: Chairperson:		S. Salie
15H00 – 15H30	Mini-plenary: “ <i>Ethics in research in children and adolescents: What does assent and consent mean?</i> ”	M. Carrhill
15H30 – 15H45	A description of premature and ex-premature infants admitted to the paediatric intensive care unit in the first six months of life.	G. Mathew
15H45 – 16H00	A review of the use of inhaled nitric oxide in the PICU at Red Cross Children’s Hospital, 2011-2015: A retrospective cohort study.	S. Padayachee

16H00 – 16H15	Mortality outcomes following admission to paediatric intensive care: A systematic review.	C. Procter
16H15 – 16H30	Why, how and when do children die in a paediatric intensive care unit (PICU) in South Africa?	M. Wege

Wednesday, 31 October 2018

Session 3: Chairperson:

L. Linley

08H30 – 09H00	Mini-plenary: “ <i>Neonatal Encephalopathy vs. HIE: The plot thickens...</i> ”	A. Horn
09H00 – 09H15	Determinants of infant feeding practices prior to, during and after hospitalisation to Red Cross War Memorial Children’s Hospital (RCWMCH).	M. Alisio
09H15 – 09H30	Extremely low birth weight infant outcomes at Groote Schuur Hospital.	M. Barday
09H30 – 09H45	Bovine or porcine: Does the type of surfactant matter?	L. Boshoff Coyles
09H45 – 10H00	Improving loss to follow-up using mobile technology for retinopathy of prematurity screening.	S. Bovula
10H00 – 10H15	Co-designing with mothers of preterm infants and staff to explore how technology can improve communication in the neonatal intensive care unit.	C. Mburu
10H15– 10H30	Association between maternal prenatal psychological adversities and the early infant gut bacterial profile.	P. Naude
10H30 – 10H45	T E A & POSTERS	

Session 4: Chairperson:

B. Eley

10H45 – 11H00	<i>Pseudomonas aeruginosa</i> bloodstream infection in children hospitalised at a children’s tertiary hospital in Cape Town.	J. Dame
11H00 – 11H10	The viability of percutaneous bone-anchored hearing systems in the HIV population.	S. Kuschke
11H10 – 11H25	Growth patterns of HIV-exposed uninfected versus HIV-unexposed children in the context of breastfeeding and universal maternal antiretroviral therapy: A prospective study.	S. le Roux

11H25 – 11H40	Evaluation of burnout, coping strategies and resilience in paediatric oncology health care workers in Cape Town.	A. Jimoh
11H40 – 11H55	Low grade gliomas treated at the UCT Academic Hospital Complex: 2011-2017.	G. Kahl
11H55 – 12H10	One nurse at a time. A mixed methods study of the children’s nursing workforce in Kenya, Malawi, South Africa, Uganda and Zambia.	N. North
12H10 – 12H15	Prevalence and predictors of bone mineral density among perinatally HIV-infected adolescents on antiretroviral therapy (ART) in the Cape Town Adolescent Antiretroviral Cohort (CTAAC).	S. Mahtab
12H15 – 12H25	Juvenile arthritis management in less resourced countries (JAMLess): Consensus recommendations from the Cradle of Humankind.	C. Scott
12H25 – 12H30	The spectrum of non-infectious uveitis in children managed at a tertiary paediatric rheumatology service in Cape Town.	W. Slamang
12H30 – 12H45	Paediatric systemic lupus erythematosus patients in South Africa have high prevalence and severity of cardiovascular manifestations.	M. Harrison
12H45 – 13H30	L U N C H (Venue: D3 Tea Room, D FLOOR, RXH)	

Session 5: Chairperson:

C. Scott

13H30 – 14H00	Mini-plenary: <i>“Tracking Mortality Trends and Causes of Deaths in South Africa”</i>	D. Bradshaw
14H00 – 14H15	The elements included in death scene investigation practices performed for sudden and unexpected death of infant (SUDI) cases.	T. Bennett
14H15 – 14H30	Monitoring and mapping child protection in South Africa.	A. Delany
14H30 – 14H45	“She’s gone now.” A mixed methods analysis of the experiences and perceptions around the deaths of children who died unexpectedly in health care facilities in Cape Town, South Africa.	P. Hodkinson
14H45 – 15H00	Forensic genetic research on sudden unexpected death in an infant (SUDI) at Salt River mortuary: Experiences and perceptions of parents.	S. Louw
15H00 – 15H15	Food insecure pregnant women in South Africa: Maternal depression mediates violence and trauma risk factors.	W. Barnett

Session 6: Chairperson:		M. Zampoli
15H30 – 15H40	An audit of haemodialysis in infants and small children (<20 kg) in an African paediatric nephrology unit.	M. McCulloch
15H40 – 15H50	Severe allergic reactions at a tertiary paediatric service.	S. Chippendale
15H50 – 16H05	Partnerships for congenital heart disease in Africa (The Protea Study) - the first 800 patients reveal key insights into our CHD cohort.	T. Aldersley
16H05 – 16H20	Longitudinal changes in transfer factor of carbon monoxide and alveolar volume in HIV-infected adolescents on antiretroviral therapy.	L. Githinji
16H20 – 16H35	Cystic fibrosis in children with African ethnicity: A case control study.	S. Kwarteng Owusu
16H35 – 16H50	Impact of HIV and antiretroviral drug exposure on lung growth and function over 2 years in an African birth cohort.	D. Gray
16H50 – 17H15	<i>Thanks and Closing Remarks (Aneesa Vanker) & Feedback on Research Day presentations, with Award & Research Prizes (M Jacobs and M Kruger)</i>	