Department of Paediatrics & Child Health

ANNUAL RESEARCH DAYS 2021

Programme and Abstract Book

Tuesday, 09th and Wednesday, 10th November 2021

VIRTUAL MEETING (ZOOM)
### CPD Points for Tuesday, 09th and Wednesday, 10th November 2021

Please complete online google form on both days to claim your points.

#### PROGRAMME AND CONTENTS PAGE

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**Tuesday, 09th November 2021**

12H15 – 12H20  *Welcome*  
*M. Phakeng*

12H20 – 12H30  *Opening Remarks*  
*R. Muloiwa*

12H30 – 13H15  **Keynote Address:** “Childhood pneumonia – and the impact of Covid.”  
*A. Agweyu*

**Session 1: Chairperson:**  
*D. le Roux*

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| 13H15 – 13H30 | Trends in cystic fibrosis survival over 40 years in South Africa: an observational cohort study.  
*M. Zampoli* |
*H. Zar* |
| 13H45 – 14H00 | Cytomegalovirus acquisition in infancy and the risk of tuberculosis disease in childhood: a longitudinal birth cohort in Cape Town, South Africa.  
*L. Martinez* |
| 14H00 – 14H15 | **TEA & POSTER VIEWING (VIRTUAL)** |

**Session 2 (Part One): Chairperson:**  
*L. Zühlke*

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| 14H15 – 14H30 | Investigating the clinical characteristics of paediatric COVID-19 in Cape Town, South Africa: initial results from the University of Cape Town (UCT), Department of Paediatrics and Child Health, COVID-19 Paediatric Repository.  
*T. Aldersley* |
| 14H30 – 14H45 | Exposures to ivermectin used for COVID-19 reported to the Poisons Information Helpline of the Western Cape.  
*C. Stephen* |
| 14H45 – 15H00 | MIS-C at two tertiary hospitals in Cape Town, South Africa: clinical phenotype and distinguishing features from similar acute inflammatory conditions.  
*C. Butters* |
| 15H00 – 15H15 | SARS-CoV-2 antibody phenotype and immune gene expression in MIS-C.  
*K. Webb* |
| 15H15 – 15H30 | **TEA & POSTER VIEWING (VIRTUAL)** |
**Session 2 (Part Two): Chairperson:**  
S. Salie

**15H30 – 15H45** Prevalence of paediatric acute respiratory distress syndrome (pARDS) in a tertiary academic paediatric intensive care unit (PICU) in South Africa.  
E. Lozano

**15H45 – 16H00** A retrospective review of children started on non-invasive ventilatory support in the medical emergency unit at Red Cross Children’s Hospital: a cross sectional study.  
H. Buys

**16H00 – 16H15** Transfusion practices among children admitted to a South African PICU following cardiac surgery.  
K. Fitzwanga

**16H15 – 16H30** Central venous catheter choice in gastroschisis management: balancing risk-benefit in a resource-limited setting to reduce morbidity and mortality.  
E. Kruger

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**Wednesday, 10th November 2021**

**Session 3: Chairperson:**  
V. Norman

**08H30 – 08H45** Profile of childhood hearing loss in the Western Cape Province, South Africa  
S. Kuschke

**08H45 – 09H00** A descriptive analysis of infections due to New Delhi Metallo-β-lactamase producing Enterobacterales in children at Red Cross War Memorial Children’s Hospital.  
L. Greybe

**09H00 – 09H15** Vulnerable mothers’ experience of feeding their preterm infant in neonatal care.  
E. van Schalkwyk

**09H15 – 09H30** Clinical features of paediatric HIV arthropathy.  
M. Harrison

C. Bestenbier

**09H45 – 10H00** Characterisation and determinants of infant nasopharyngeal bacterial communities in children in a South African birth cohort.  
S. Claassen-Weitz

**10H00 – 10H30** **T E A & POSTER VIEWING (VIRTUAL)**
**Session 4: Chairperson:**  
P. Nourse

10H30 – 10H45 Burden and severity of deranged electrolytes and kidney function in children seen in a tertiary hospital in Kano, Northern Nigeria.  
P. Obiagwu

10H45 – 11H00 A 15-year retrospective review of urodynamic studies in children at Red Cross War Memorial Children’s Hospital (RCWMCH), Cape Town, South Africa.  
T. Mosalakatane

11H00 – 11H15 Tuberculosis in paediatric kidney transplant recipients – a single centre experience.  
P. Makanda-Charambira

11H15 – 11H30 Acute post streptococcal glomerulonephritis at Red Cross War Memorial Children’s Hospital (RCWMCH), Cape Town, South Africa – a five-and-half-year descriptive review.  
K. Abugrain

11H30 – 12H00 Faculty Research Office Presentation – “Empowering and Supporting Research at Faculty of Health Sciences.”  
L. Zühlke

12H00 – 13H00 L U N C H & POSTER VIEWING (VIRTUAL)

**Session 5: Chairperson:**  
A. Salloo

13H00 – 13H15 Impact of moderate to late preterm birth on 5 year lung function in a South African birth cohort.  
S. Chaya

13H15 – 13H30 Inspiratory muscle training in children with neuromuscular diseases: a cross-over randomised controlled trial.  
A. Human

J. Copelyn

13H45 – 14H00 The clinical spectrum, aetiology and disease progression of children with post-infectious bronchiolitis obliterans at tertiary paediatric pulmonology service in Cape Town, South Africa.  
A. Yassin

14H00 – 14H15 Class-I CFTR mutation genotype and outcome in black African children with cystic fibrosis (CF) in South Africa (SA).  
J. Verstraete

14H15 – 14H30 T E A & POSTER VIEWING (VIRTUAL)

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Session 6: Chairperson: S. Mathews

14H30 – 14H45 Early childhood violence exposure patterns in the Drakenstein Child Health Study. (DCHS) L. Tsunga

14H45 – 15H00 How children make meaning of sexual trauma: towards decolonised African-centered child-centric psychological interventions. N. Titi

15H00 – 15H30 Ethics Talk – “Working Together: The ethics of doing research with children.” L. Jamieson/C. Feinstein

15H30 – 16H00 Feedback on Research Day presentations, with Award & Research Prizes by guest judges (K Thandrayen and L Rispel) & Thanks and Closing Remarks (K Donald)

Poster Presentations


- ADVERSE OUTCOMES OF FEBRILE NEUTROPAenia AND VALIDATION OF A RISK SCORE IN ONCOLOGY PATIENTS ON CHEMOTHERAPy AT THE RED CROSS WAR MEMORIAL CHILDREN’S HOSPITAL: A THREE YEAR RETROSPECTIVE STUDY. M. Adekunle, A. Davidson, M. Hendricks


- PERFORMANCE OF THE EQ-5D-Y-3L INTERVIEWER ADMINISTERED VERSION IN YOUNG CHILDREN AGED 5-7-YEARS. R. Amien (Presenter)

- STREAMLINING REFERRAL DECISIONS FOR CHILDHOOD POISONING: EXPERIENCES FROM A TERTIARY CHILDREN’S HOSPITAL IN CAPE TOWN, SOUTH AFRICA. K. Balme, C. Stephen

- INVESTIGATION OF A FOUNDER GENETIC VARIANT (KCQ1 C.1022C>T) - AN EXPLANATION FOR SUDDEN DEATH IN INFANTS? W. Bhengu, L.J. Heathfield

- RENOGRAM IMAGE CHARACTERISTICS AND THE REPRODUCIBILITY OF DIFFERENTIAL RENAL FUNCTION MEASUREMENT. A. Brink, M. Levin, E. Libhaber, M.D. Mann

• IN-HOSPITAL NEONATAL MORTALITY IN A LEVEL-TWO HOSPITAL IN CAPE TOWN, SOUTH AFRICA. C. Gabriels, D.M. le Roux

• STRENGTHENING ANTIBIOTIC STEWARDSHIP AT THE NEONATAL UNIT OF MOWBRARY MATERNITY HOSPITAL. M. Mkony (Presenter)

• THE CHARACTERIZATION OF LOWE SYNDROME IN A SOUTH AFRICAN FAMILY. R. Sulaiman-Baradien, C. Spencer, G. Agenbag, A. Wonkam

• BRONCHIOLITIS OBLITERANS ORGANISING PNEUMONIA IN A YOUNG CHILD ASSOCIATED WITH RESPIRATORY SYNCYTIAL VIRUS: A CASE REPORT. N. Washaya, S. Singh, K. Pillay, M. Zampoli