

Section 5.2 – Journal Club & Case Presentations

2018

DATE	TOPIC	SPEAKER
12/02/2018	Water	D Marais
26/02/2018	Review on Toxic alcohols	GF vd Watt
12/03/2018	Free Androgen Index/Testo Calculations	J Cole
19/03/2018	Deep Learning in Medicine	J Rusch
26/03/2018	CASE: Congenital Hyperinsulinism (Nesidioblastosis)	D vd Westhuizen
23/04/2018	Munchausen syndrome and factitious disorder: the role of the lab in its detection and diagnosis	C Hudson
14/05/2018	Renal Stones	E Gantana
21/05/2018	UK Visit – Mitochondrial disorders	S Meldau
28/05/2018	CASE: Two cases of hyperphosphataemic familial tumoral calcinosis caused by homozygous mutations in the GALNT3 gene.	J Cole
29/05/2018	Plasma steroid metabolome for diagnosing and subtyping patients with Cushings	C Hudson
11/06/2018	TB NanoDisk, MS-MS in TB diagnosis	D vd Westhuizen
18/06/2018	Case Discussions and Feedback from LASSA	H Vreede and D Marais
25/06/2018	Case – Hyperandrogenism	R Dalmacio
23/07/2018	Apolipoprotein E: Update	D Marais

13/08/2018	ZFN, TALEN, CRISPR – Genetic engineering	D vd Westhuizen
20/08/2018	A phase-3 trial of L-glutamine in Sickle Cell Disease	G vd Watt
27/08/2018	Organophosphate poisoning	R Dalmacio
01/09/2018	Using Machine learning to aid the interpretation of urine steroid profiles	C Hudson
22/10/2018	Network Medicine	J Cole
15/10/2018	Imaging Mass Spectrometry	J Pillay
29/10/2018	Hypercalcaemia: An Approach	T Gcingca
01/11/2018	Lipoic Acid Biosynthesis Defects	S Meldau
18/11/2018	Immune checkpoint inhibitors	C Hudson

2019

DATE	TOPIC	SPEAKER(S)
11/02/2019	Snake envenomation	D Marais
18/02/2019	Case presentation:	R Banderker
25/02/2019	Metabolomics and mortality of naked mole rats.	C Hudson
11/03/2019	Monitoring glycaemic control in individuals and populations	H Vreede
18/03/2019	Cannabis in research	R Dalmacio
08/04/2019	Between Chemistry and Genetics. Based on Carl Zimmer's book <i>She has her mother's laugh</i>	D Marais
16/04/2019	Biomarkers in Schizophrenia	J Lunn
29/4/2019	Disorders of Protein Folding	D vd Westhuizen
13/05/2019	Unusual cases of metabolic disorders in 4 neonates	G van der Watt

20/05/2019	Open Source Capillary Electrophoresis	DJ vd Westhuizen
27/05/2019	Hypertriglyceridemic pancreatitis	TA Gcingca
03/06/2019	Journal Watch	R Dalmacio, TA Gcingca, J Cole, J Lunn, DJ vd Westhuizen
20/06/2019	Short case presentations: DSD, Septic Cholestasis, SPE's and their various presentations	D vd Westhuizen, R Dalmacio, TA Gcingca
01/07/2019	Journal Watch	R Dalmacio, TA Gcingca, J Cole, J Lunn, DJ vd Westhuizen
08/07/2019	Book Review Part 2: She Has Her Mother's Laugh. Carl Zimmer	AD Marais
22/07/2019	Flagger and Percentiler: A revolutionary EQA alternative	C Hudson
29/07/2019	Case Presentation: A case of secondary hypogonadotropic hypogonadism with Ecdysterone supplements	DJ vd Westhuizen
05/08/2019	Journal Watch	R Dalmacio, TA Gcingca, J Cole, J Lunn, DJ vd Westhuizen, J Rusch
12/08/2019	Nanobody development in Chemical Pathology	TA Gcingca
19/08/2019	Book Review Part 2: <i>She Has Her Mother's Laugh</i> . Carl Zimmer	AD Marais

26/08/2019	Short case presentations: Macroprolactin and High dose hook effect; Urea Cycle defects in neonates at RXH	TA Gcingca, JA Rusch
02/09/2019	Journal Watch	R Dalmacio, TA Gcingca, J Cole, J Lunn
09/09/2019	Vaping vs. Smoking	D Blackhurst
12/09/2019	Short case presentations: Insulin ; Globulin Gap	J Cole, J Lunn
16/09/2019	Energy Metabolism – Micro-organisms metabolising lactate into Crebs Cycle intermediates	G vd Watt
23/09/2019	Immunology overview	R Dalmacio
30/09/2019	Meeting cancelled	n/a
07/10/2019	Journal Watch	D vd Westhuizen; TA Gcingca; R Dalmacio
10/10/2019	Short case presentations: Enzymology in reagents; A case of cryoglobulinaemia	TA Gcingca; D vd Westhuizen
07/11/2019	Short case: Methaemaglobinaemia	R Dalmacio
11/11/2019	Microfluidics in Sweat Testing	J Pillay
18/11/2019	Iron metabolism in microcytic hypochromic anaemia (Iron Lion Zion)	J Rusch

2020

DATE	TOPIC	PRESENTER(S)
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30-Mar-20	Case presentations: Transient benign hyperphosphatasaemia; An approach to hyperandrogenism	T. Gcingca; M. Mahomed
20-Apr-20	Book review Part 3: <i>She Has Her Mother's Laugh</i> . Carl Zimmer	Prof D Marais
30-Apr-20	Case presentations 1) Electrolytes 2) Excess GH: Acromegaly	D Roque, T. Gcingca
11-May-20	Excess GH: Acromegaly Part 2	T. Gcingca
18-May-20	Case Presentation: Hyperalbuminaemia	D. Roque
25-May-20	Case Presentations: OTC Case; Chylothorax from Thoracic injury	R. Dalmacio, D. vd Westhuizen
08-Jun-20	Hyperammonaemia	M. Mahomed
11-Jun-20	Case presentations: A World of Colour; A Lack of evidence is not evidence of absence	T. Gcingca, D. Roque
13-Jul-20	Quality assurance in clinical chemistry	D. vd Westhuizen
20-Jul-20	EM Guidance, "Your future depends on your dreams so go to sleep"	Kim Jacobs, J Rusch
27-Jul-20	Case presentations: MSc Project presentation; Porphyria cutanea tarda	S. Lampert; T. Gcingca
17-Aug-20	Dyslipidemia	R. Ateko
24-Aug-20	Anosmia/ Hyperosmia	S. Meldau
31-Aug-20	Case presentations: CSF Leaks; CSF-IgG index	M. Mahomed; C. Francis
14-Sept-20	DKA vs HHS	T. Gcingca

21-Sept-20	Population genetics of the Indian Ocean humpback dolphin (Honours project)	S. Lampert
29-Sept-20	Case presentations: Methanol poisoning; COVID big data project	T. Gcingca; D. vd Westhuizen
19-Oct-20	Vitamin and homocysteine levels correlation with cardio metabolic risk factors	K. Seakamela
26-Oct-20	Case presentations: Galactosaemia; Cryoglobulins	M. Mahomed; C. Francis
11-Oct-20	Myeloma	C. Francis
23-Nov-20	Case presentations: Does this urine make me look fat? Lipiduria and fat embolism syndrome; Critical results	M. Mahomed; R. Dalmacio
30-Nov-20	Machine learning	D. vd Westhuizen

2021

DATE	TOPIC	PRESENTER(S)
08-Feb-21	Epigenetics and Diabetes	J Rusch
15-Feb-21	Interference in Chemical Assays during COVID	R. Dalmacio
22-Feb-21	Case Presentations: High testosterone in female (?) patient; Hyponatremia with urine sodium measurement	T. Gcingca; D. vd Westhuizen
04-Mar-21	Case Presentations: Biochemical features of Pre-eclampsia; Organophosphate poisoning	M. Mahomed; C. Francis

08-Mar-21	Green illness berfore the red carpet – Iron Metabolism	D. vd Westhuizen
15-Mar-21	Malabsorption	T. Gcingca
25-Mar-21	Supplemental nutrition	C. Francis
29-Mar-21	Project presentations	J. Pillay; R. Dalmacio; S. Lampert; S. Meldau; K. Khan
01-Apr-21	Insulin Sensitivity	T. Gcingca
01-Apr-21	Project Presentations	D. vd Westhuizen; C. Francis; M. Mahomed
15-Apr-21	Project presentation	T. Gcingca
19-Apr-21	Fluorimetry	C. Francis
26-Apr-21	Toxic Alcohol ingestion	M. Mahomed
06-May-21	Persistent hypocalcemia	D. vd Westhuizen
10-May-21	The Vital Question: Nick Lane	D Marais

Journal Watch

We have a monthly meeting during which each attendant may briefly present relevant journal articles. Initially, it was left entirely up to the individual what they would present. However, from late in 2017, it was formalised the registrars' contributions to ensure that the important journals were being covered. These include: *Clinical Chemistry*, *Clinica Chimica Acta*, *Annals of Biochemistry*, *Clinics in Laboratory Medicine* and *Clinical Chemistry and Laboratory Medicine*. Registrars are also encouraged to read *NEJM*, *Nature*, *Cell*, *Science*, *The Lancet* or any other journals of interest and to present what they feel is relevant. Each month we read and present several articles from at least one of these journals.

This was done on the first Monday of each month, after our departmental staff meeting. Dates are not recorded.