

Chileka CHIYANIKA



Research Assistant Professor

QUALIFICATIONS:

- PhD (The Chinese University of Hong Kong) 2022 Imaging and Interventional Radiology
- MSc (The University of Queensland) 2015 Magnetic Resonance Technology
- Post Graduate Diploma (The Global Open University) 2012 Basic and advanced Sonography
- Certificate (JUREI/Thomas Jefferson University) 2012 Abdominal, Gynaecology and Obstetrics ultrasound
- BSc (Queen Margaret University) 2009 Diagnostic Radiography
- Diploma (Evelyn Hone College) 2001 Diagnostic Radiography

BRIEF OUTLINE OF EXPERIENCE AND POSTS HELD:

- October 2022- Present Research Assistant Professor, The Hong Kong Polytechnic University
- April - July 2018 Consultant Radiographer/Sonographer (HOD), Department of Radiology, Mary Begg Hospitals, Zambia
- April 2006- March 2018 Senior Radiographer/Sonographer, Department of Radiology, Konkola Copper Mine Hospital, Zambia
- March 2002- March 2006 Diagnostic Radiographer, Department of Radiology, Solwezi General Hospital, Zambia

RESEARCH INTERESTS:

- Obesity and metabolic diseases, adipose tissue including brown/beige adipose tissue, visceral adipose tissue, subcutaneous adipose tissue, Non-alcoholic fatty liver disease and Non-alcoholic fatty pancreas disease using MRI, MR spectroscopy and ultrasound.
- Deep Learning and Machine Learning in Medical Imaging

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SERVICES TO PROFESSIONAL & SCIENTIFIC BODIES, CONSULTANCIES:

- Member of the International society of Magnetic resonance in medicine
- Reviewer of European Radiology, Paediatric radiology, Clinical and Translational Gastroenterology journals.
- Member of the Health Professions Council of Zambia
- Member of the Radiological Society of Zambia

AWARDS AND PATENTS:

- The Chinese University of Hong Kong Studentship 2018
- Australia Awards scholarship (AusAID) 2014
- Konkola Copper Mines scholarship 2011
- Konkola Copper Mines Star of Business nominee 2011
- Konkola Copper Mines Employee of the Month 2010 (June)
- Konkola Copper Mines, Quality Team leader of the fourth Quarter 2010
- Evelyn Hone College- School of Radiography Best Student Award 2001

REPRESENTATIVE PUBLICATIONS:

JOURNAL ARTICLES

- **Chiyanika C**, Wong VW, Wong GL, Chan HL, Hui SC, Yeung DK, Chu WC. “Implications of Abdominal Adipose Tissue Distribution on Non-alcoholic Fatty Liver Disease and Metabolic Syndrome: A Chinese General Population Study.” *Clinical and Translational Gastroenterology*. 2021 Feb;12(2).
- **Chileka Chiyanika**, Winnie CW Chu. Visceral Adipose Tissue-A Common Link to the Development of Non-alcoholic Fatty Liver Disease and Metabolic Syndrome. *Archives of Clinical and Biomedical Research* 5 (2021): 742-755.
- **Chiyanika Chileka**, Dorothy FY Chan, Steve CN Hui, Hung-kwan So, Min Deng, David KW Yeung, Tony EAS Nelson, and Winnie CW Chu. "The relationship between pancreas steatosis and the risk of metabolic syndrome and insulin resistance in Chinese adolescents with concurrent obesity and non-alcoholic fatty liver disease." *Pediatric Obesity* (2020): e12653.
- Yeung Kwong Hang, Gene Chi Wai Man, Lin Shi, Steve Cheuk Ngai Hui, **Chileka Chiyanika**, Tsz Ping Lam, Bobby Kin Wah Ng, Jack Chun Yiu Cheng, and Winnie

Chiu Wing Chu. "Magnetic Resonance Imaging-Based Morphological Change of Paraspinal Muscles in Girls with Adolescent Idiopathic Scoliosis." *Spine* (2019).

- **Chiyanika C**, Chu WC. "Weight-bearing Imaging in Adolescent Idiopathic Scoliosis." *Seminars in musculoskeletal radiology* 2019 Dec (Vol. 23, No. 06, pp. 584-593).

CONFERENCE PRESENTATIONS

- **Chiyanika C**, Wong VW, Wong GL, Chan HL, Hui SC, Yeung DK, Chu WC. Implications of Abdominal Adipose Tissue Distribution on Non-alcoholic Fatty Liver Disease and Metabolic Syndrome: A Chinese General Population Study. Oral presentation at the 6th International Conference on Obesity and Chronic Diseases, San Francisco, CA, USA, June 21-23, 2021 (ICOCD-2021).
- **Chiyanika C**, Wong VW, Wong GL, Chan HL, Hui SC, Yeung DK, Chu WC. Implications of Abdominal Adipose Tissue Distribution on Non-alcoholic Fatty Liver Disease and Metabolic Syndrome: A Chinese General Population Study. Oral presentation at the 28th Annual Scientific Meeting of Hong Kong College of Radiologists, Hong Kong 14-15, November 2020
- **Chiyanika Chileka**, Dorothy FY Chan, Steve CN Hui, Hung-kwan So, Min Deng, David KW Yeung, Tony EAS Nelson, and Winnie CW Chu. The relationship between pancreas steatosis and the risk of metabolic syndrome and insulin resistance in Chinese adolescents with concurrent obesity and non-alcoholic fatty liver disease. Pitch and poster presentation at the International Society of Magnetic Resonance in Medicine (ISMRM) Workshop on MRI of Obesity & Metabolic Disorders, Matrix Building, Biopolis, Singapore 21-24 July 2019
- **Chileka Chiyanika**, Jonathan Mulenga, James Chabu, Mieke Mulenga. The current reflection of Radiological examinations verses the effective use of Radiology Department at Konkola Mine Hospital: What is the way forward? Poster presentation at the world Organisation of Family Doctors (WONCA) conference Rustenburg, South Africa- 2009.
- **Chileka Chiyanika**, Jonathan Mulenga, James Chabu, Mieke Mulenga. The current reflection of Radiological examinations verses the effective use of Radiology Department at Konkola Mine Hospital: What is the way forward? Oral presentation at the Pan African Congress of Radiology and Imaging (PACORI) conference, Kigali, Rwanda 2013