



15th Annual Sickle Cell & Thalassaemia & 1st EHA European Sickle Cell Conference

Celebrating 60th Anniversary of
British Society for Haematology

2020
October
26-31
Virtual Global
Conference

Day 01 26TH OCTOBER 2020

Welcome To ASCAT

11.00 – 12.30

ORAL ABSTRACTS: Chair: Julie Makani

Oxygen Gradient Ektacytometry-Derived Biomarkers are Associated with the Occurrence of Cerebral Infarction, Acute Chest Syndrome and Vaso-Occlusive Crisis in Sickle Cell Disease: **Minke Rab** (10mins)

Oral Carbon Monoxide Liquid (Hbi-002) Effect on Hypoxia-Induced Vascular Occlusion, Inflammation, Red Blood Cell Protection, and Hepatic Ho-1 and Nrf2 after 10 Daily Administrations, in Mouse Genetic Constructs of Sickle Cell Disease: **Howard Levy** (10mins)

MALDI-TOF Mass Spectrometry Approaches to Study the Sickle Cell Trait of Young Malaria Patients in Urban and Rural Areas of the Democratic Republic of Congo: **Leon Tshilolo** (10mins)

Brain Volume in Tanzanian Children with Sickle Cell Anaemia with and without Silent Cerebral Infarction and/or Vasculopathy compared with Controls: **Mboka Jacob** (10mins)

Sickle Cell Disease Related Outcomes in Patients Evaluated for COVID-19 Infections in South Carolina (SCOPE-SC): **Laurence Noisette** (10mins)

Cortisol, Sleep and Cognition in Sickle Cell Anaemia: **Melanie Kolbel** (10mins)

13.00 – 13.10

WELCOME: Professor Baba Inusa, Founder of ASCAT

13.10 – 15.30

SESSION ONE: Chair: David Rees

Sickle Cell Disease - Basic Science: Emerging Therapies

Progressive Vasoconstriction with Sequential Thermal Stimulation Indicates Vascular Dysautonomia in Sickle Cell Disease: **Saranya Veluswamy** (10mins+ 5 minute Q&A)

Treatment of Acute vaso-occlusion in Mouse Models of Sickle Cell Disease following Intravenous or Subcutaneous Administration of a Highly Potent E-Selectin Specific Inhibitor: **John Magnani** (10mins + 5 minute Q&A)

Genotype-Phenotype Correlation in SCD: **Kate Gardner** (20mins)

Ineffective Erythropoiesis in Sickle Cell Disease: **Wassim El-Nemer** (20mins)

Discussion of Allosteric Modifiers in SCD: **Osheiza Abdulmalik** (20mins)

Sickle Trait Pathology: **Sebastian Lucas** (20mins)

Q&A (30mins)



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Virtual Exhibition Tour

16.00 – 18.30

SESSION TWO: Isaac Odame, Maria Cappellini and Baba Inusa
Epidemiology

Socio-Economic Burden of Haemoglobinopathies in the World:

Global Challenges in Reducing the Burden of Sickle Cell Disease: **Fred Piel** (25mins)

Sickle Cell Disease: A Strategic Plan and Blueprint for Global Action: **Admiral Brett Giroir**, Assistant State Secretary for Health, US (15mins)

NIH in Supporting Global SCD including Work in the USA and Africa: **Keith Hoots**, Director of the Division of Blood Diseases and Resources at the National Heart, Lung, and Blood Institute (NHLBI) (15mins)

Q&A (15 Minutes) Chairs: Isaac Odame and Baba Inusa

European Hematology Association Role in Addressing the Burden of Haemoglobinopathies (EHA): **John Gribben**, President, EHA (10mins)

British Society of Haematology Role in Haemoglobinopathies: **Josh Wright**, Vice President, BSH (10mins)

The added Value of Patient Organisations for National and International Advocacy – the Example of the Thalassaemia International Federation: **Panos Englezos** (10mins)

Newborn Screening for Sickle Cell Disease, Niger State Nigeria: **Amina Abubakar Bello**, 1st Lady, Niger State, Founder Raise Foundation (10mins)

Q&A (20 Minutes) Chair: Maria Cappellini

19:00

SPONSORED SESSION: GBT

Getting to The Root Cause: Understanding The Devastating Impact of Sickle Cell Disease on Your Patient.

Welcome and introduction: Meeting objectives and agenda overview

Bart Biemond, Amsterdam, The Netherlands

Anemia and Hemolysis Drive End-organ Damage in Sickle Cell Disease

Caterina Minniti, New York, USA (20mins)

Brain Damage in Sickle Cell Disease

Bart Biemond, Amsterdam, The Netherlands (20mins)

Live Q&A, Summary and close (15mins)