



The 18th Annual
Sickle Cell & Thalassaemia Conference

IMPROVING THE LIVES OF PEOPLE LIVING WITH SICKLE CELL DISEASE & THALASSAEMIA

**25-28
OCTOBER**

**County Hall
Belvedere Road
London SE1 7PB**

Day

25TH OCTOBER 2023

Welcome To ASCAT

Corporate

08.00 – 09.00
WELCOME BREAKFAST

09.00 – 10.00
SESSION ONE: Chair: Andrew Campbell
Reappraisal of Pain Endpoints in Clinical Trials: Geographic Implications
Round Table Discussion. Professional, Policy-maker & Patient
Miguel Abboud, Julie Kanter, Tangela Roberts, Dianne Addei and Hafsat Ahmad

10.00 – 10.15
COMFORT BREAK

10.15 – 11.15
SPONSORED SESSION – HCPs only
Private Symposium: Pfizer
Introducing Oxbryta® (voxelotor): first-in-class HbS polymerisation inhibitor in sickle cell disease

11.15 – 11.30
COMFORT BREAK

11.30 – 12.00
SPONSORED SESSION
Private Symposium: Agios Pharmaceuticals
Activation of Pyruvate Kinase in Thalassaemia and Sickle Cell Disease: Latest Clinical Trial Results

12.00 – 12.45
NETWORKING LUNCH



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Continued

Corporate

12.45 – 14.00

SESSION TWO: Chairs: *Baba Inusa and David Rees*

International Launch of Sickle Cell Disease Programmes Addressing Access and Improvement in Care – The Lancet Commission on Sickle Cell Disease

Introduction to the Lancet Commission (5 mins)

Epidemiology and Screening (15 mins)

Clinical Outcomes and Treatment Availability Around the World (15 mins)

Commission's Goals and Recommendations (15 mins)

Session Discussion, Questions & Answers (20 mins)

Lan-Lan Smith, Fred Piel, Brigitte Ranque, Russell Ware and David Rees

14.00 – 14.15

COMFORT BREAK

14.15 – 16.45

SESSION THREE: Chairs: *Biree Andemariam and Sara El Hoss*

Global Status of Sickle Cell Disease

UK Update (15 mins)

Brazil Update (15 mins)

Cuba Update (15 mins)

Saudi Arabia Update (15 mins)

Abstract Presentation: Malaria Infection in Patients With Sickle Cell Disease in Nigeria: Association With Markers of Hyposplenism (10 mins)

Discussion, Questions & Answers (10 mins)

Break

India Update (15 mins)

GANSID (5 mins)

Africa Update (15 mins)

Lebanon Update (5 mins)

Baba Inusa, Ana-Christina Silva Pinto, Olga Agramonte, Hatoon Mohammed Ezzat, Adama Ladu, Vinita Srivastava, Dipty Jain, Leon Tshilolo and Miguel Abboud

16.45 – 17.00

CORPORATE DAY ROUND UP

With *Wale Atoyebi*

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Day 01

26TH OCTOBER 2023

Welcome To ASCAT

08.00 – 09.00

MEET THE EXPERT – SESSIONS WITH BREAKFAST

From new therapeutic approaches to improving the standard of care for sickle cell disease patients – *Dimitris Tsitsikas & John James*

The Lancet Group & What Makes For a Good Paper – *Lan-Lan Smith*

Strategies For Writing Grant Proposals that Enhance Participant/Community Involvement – *Lori Crosby*

Determinants of Severity in Sickle Cell Disease – *David Rees*

Managing Thalassaemia in Old Age – *Maria Capellini*

09.00 – 10.35

SESSION ONE: Chairs: Baba Inusa and Stella Chou

Overview of Sickle Cell Disease and Thalassaemia

Welcome to ASCAT 2023: Day One (5 mins)

Sickle Cell Disease: An Update (15 mins)

Thalassaemia Overview (15 mins)

Questions & Answers (10 mins)

Genetically Matched Red Cells to Improve Transfusion Therapy (15 mins)

Blood Transfusion: African Setting (15 mins)

Abstract Presentation: The Sickle Cell and Thalassaemia Blood Group Genotyping Programme And The Development of A Novel Blood Group Genotyping Array (10 mins)

Session Discussion, Questions & Answers (10 mins)

Baba Inusa, Raffaella Colombatti, Ali Taher, Stella Chou, Saliou Diop and Sara Trompeter

10.35 – 10.55

COMFORT BREAK

10.55 – 12.10

SESSION TWO: Chair: Mariane De Montalembert

Pathobiology of Sickle Cell Disease & Thalassaemia

Novel Integrative Interventions Targeting Mechanisms of Pain with Translational Potential (15 mins)

Proposed Biomarkers of Acute Pain in Sickle Cell Disease Derived from Longitudinal Transcriptomics (15 mins)

Pain in Thalassaemia (15 mins)

Abstract Presentation: Use of Machine Learning to Predict 30-Day Reutilization of Care for Patients With Sickle Cell Disease Treated for Vaso-Occlusive Crisis (10 mins)

Session Discussion, Questions & Answers (15 mins)

Kalpna Gupta, Vivien Sheehan, Perla Eleftheriou and Caroline Vuong



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**Day
 01** **26TH OCTOBER 2023**
 Continued

12.10 – 13.20
NETWORKING LUNCH

13.20 – 15.20

SESSION THREE: Chair: **Marsha Treadwell**

Psychological and Counselling Sessions

Electronic Monitoring for Medication Adherence (15 mins)

Adverse Childhood Experiences & Sickle Cell Disease Implementation Consortium Updates (15 mins)

PhenX Sickle Cell Disease Psychological and Social Determinants of Health Protocols (15 mins)

Discussion, Questions & Answers (10 mins)

Break

Stigmatizing Narratives of Sickle Cell Disease in Three African Countries (15 mins)

Learning to code as a Cognitive Rehabilitation Tool in Sickle Cell Disease (15 mins)

Abstract Presentation: Impact Of A Peer-To-Peer Round Table Pilot Educational Program For Healthcare Professionals in Rural Ghana To Upscale Their Knowledge In The Management Of Sickle Cell Disease (10 mins)

Discussion, Questions & Answers (10 mins)

Jerlym Porter, Lori Crosby, Nchangwi Munung, Barbara Arfe and Charmaine Anthony

15.20 – 15.40

COMFORT BREAK

15.40 – 16.40

SESSION FOUR: Chairs: **ERN EuroBloodNet and SCD Lancet Commission**

Patients Plenary Forum

EuroBloodNet: How to Improve the Outcomes in Sickle Cell Disease from Patients Perspective
Patient Representatives, Lan-Lan Smith, David-Zacharie Issom and Mariangela Pellegrini

16.40 – 17.00

SESSION FIVE: Chair: **Kimberly Davis**

Patients Plenary Forum continued

Youth Management

Jane Chudleigh



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08.00 – 09.00

MEET THE EXPERT – SESSIONS WITH BREAKFAST

Acute Chest Syndrome in Sickle Cell Disease – *Miguel Abboud*

Stroke Screening – *Soundrie Padayachee & Baba Inusa*

PhenX Toolkit for Sickle Cell Research: A Focus on the Social Determinants of Health Collection – *Marsha Treadwell*

Infectious Disease in Sickle Cell Disease – *Stephen Obaro*

The Role of Complement in Sickle Cell Disease – *Pablo Bartolucci*

09.00 – 10.30

SESSION ONE: Chair: *Rachel Kesse-Adu*

Pain Management, Addiction and Dependence

GSTT Experience of Managing Complex and Chronic Sickle Pain via a virtual MDT clinic
(15 mins)

St Georges Model of Managing Complex and Chronic Sickle Pain *(15 mins)*

Optimising Pain Management Approaches a Pain Specialists Perspective, it is not all opiates
(15 mins)

Opioids in Perspective: The Original Indication and Addiction Systems in the UK *(15 mins)*

P-Selectin & Pain *(15 mins)*

Session Discussion, Questions & Answers *(15 mins)*

Karen Sanderson, Elizabeth Rhodes, Rebecca McLoughlin, Fauzia Hasnie, Mike Kelleher and Kenneth Ataga

09.15 – 12.15

EUROBLOODNET: CLOSED SESSION UNDER INVITATION*

Workshop on application of Artificial Intelligence for SCD. What is Artificial Intelligence and how is it used for SCD?



10.30 – 10.45

COMFORT BREAK

10.45 – 11.30

NEW SESSION

To be confirmed



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Day 02

27TH OCTOBER 2023

Continued

11.30 – 12.15

SESSION TWO: Chairs: Raffaella Collombatti and Crawford Strunk

Ageing in Sickle Cell Disease

Transition from Paediatric to Adult in Sickle Cell Disease (15 mins)

Organ Complications with Age in Sickle Cell Disease (15 mins)

Session Discussion, Questions & Answers (15 mins)

Mariane De Montalembert and Pablo Bartolucci

12.30 – 13.30

NETWORKING LUNCH OR SPONSORED LUNCH SESSION - HCPs only

Private Lunch Symposium: Vertex Pharmaceuticals

A roundtable discussion: treatment decision perspectives for patients with haemoglobinopathies

13.30 – 14.15

SESSION THREE: Chairs: Subarna Chakravorty and Lewis Hsu

Top Selected Abstract Presentations

Utilising Digital, Longitudinal Tracking Of Wearable Metrics And Patient-Reported Outcomes To Predict Vaso-Occlusive Crises In Sickle Cell Disease (10 mins)

Treatment Of Sickle Cell Disease With Voxelotor Through The UK Early Access To Medicines Scheme (10 mins)

Rise Up Campaign: Raising The Bar On Patient Involvement In Clinical Development (10 mins)

ASCAT Committee Panel Questions & Answers (15 mins)

Kim Summers, Perla Eleftheriou and Holly John

14.15 – 14.30

COMFORT BREAK



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14.30 – 16.15

SESSION FOUR: Chairs: Maria Capellini and Ali Taher

Bone Marrow Transplantation and Gene Therapy

Organ Complications with Age in Thalassaemia (15 mins)

Gene Therapy for Thalassaemia (15 mins)

Affordable Bone Marrow Transplantation for Sickle Cell and Thalassaemia (15 mins)

Session Discussion, Questions & Answers (10 mins)

Break

Access to Gene Therapy for Rare Disease (15 mins)

Transfusion Independence After Exagamglogene Autotemcel In Patients With Transfusion-Dependent B-Thalassaemia (10 mins)

Session Discussion, Questions & Answers (10 mins)

Irene Motta, Sujit Sheth, Lawrence Faulkner, Claire Booth and Ben Carpenter

16.15 – 18.00

POSTER WALK AND POSTER VIEWING: Chair: Wale Atoyebi

19.00 – 23.00

ASCAT CHARITY GALA NIGHT

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09.00 – 11.15

ORAL ABSTRACTS PARALLEL SESSIONS

11.15 – 11.30

COMFORT BREAK

11.30 – 12.30

SESSION ONE: Chair: Lydia Pecker

It Takes a Village: Infertility Risks, Fertility Preservation, Pregnancy and Intrauterine Cure In the Haemoglobinopathies

Expecting More: Infertility Risks Associated with Disease, Treatment & Cure in the Haemoglobinopathies (15 mins)

Clinical Trials and SCD Pregnancy: A Report from the TAPS-2 Investigators and Opportunities for Intrauterine Cure (15 mins)

Session Discussion, Questions & Answers (15 mins)

Lydia Pecker and Eugene Oteng-Ntim

12.00 – 15.00

EUROBLOODNET: CLOSED SESSION UNDER INVITATION*

Exploring patients-doctors dynamics, how to build assertiveness



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NETWORKING LUNCH

13.30 – 15.05

SESSION TWO: Chairs: Maria Capellini and Miguel Abboud

Hydroxyurea Therapy and New Therapies

Are Genetic Modifiers the Answer to Different Responses to Hydroxyurea Treatment? A Pharmacogenetic Study in Sickle Cell Anemia Angolan Children (*15 mins*)

Panel Discussion: Hydroxyurea: Treatment Objectives and Dosaging – High v Low & Middle Income Settings (*60 mins*)

Miguel Brito, Michael R Debaun and Russell Ware

15.05 – 15.30

PATIENT RECAP

With EuroBloodNet

15.30 – 16.00

ASCAT 2023 RECAP

With Andrew Campbell and Crawford Strunk