

Symposium Program

OCTOBER
15-25, 2018



1ST ANNUAL VIRTUAL SYMPOSIUM ON PRENATAL-ONSET GROUP B STREP DISEASE



03 Welcome Message

04 Presenters

08 Symposium Schedule

11 Sponsors & Media Partners



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Welcome to the 1st Annual Virtual Symposium on Prenatal-onset Group B Strep Disease! We are honored for your participation in this groundbreaking event which focuses on group B strep infections that occur during pregnancy as a distinct classification of GBS disease. As many of you may know, most medical literature refers to only two types of GBS disease, early-onset and late-onset. However, our mission is to help prevent GBS disease in babies at all stages.



Thank you to Star Legacy Foundation for partnering with us and to our amazing presenters who have shared their expertise. We also want to recognize Hologic as our Diamond Star Sponsor, our parent sponsors, and the many individuals who support our efforts year-round for making this symposium possible!



MARTI PERHACH
CEO and Cofounder of GBSI

PRESENTERS

DAVID M. ARONOFF MD, FIDSA, FAAM



Dr. David Aronoff is the Director of the Division of Infectious Diseases at the Vanderbilt University School of Medicine and the founding Director of the Vanderbilt Pre3 Initiative (Preventing adverse Pregnancy outcomes and Prematurity). He is also the Addison B Scoville, Jr Chair in Medicine and is on Group B Strep International's Board of Directors. The Aronoff Lab studies reproductive immunology and host-microbial interactions in the context of pregnancy, with a focus on Group B Streptococcus (GBS) infections. Primary areas of focus include mechanisms of disease pathogenesis involved in GBS infections causing chorioamnionitis, preterm birth, stillbirth and neonatal sepsis.

TIMOTHY BARKHAM MBBS MSC FRCPATH



Dr. Barkham studied medicine and then specialised as a Microbiologist at St. Thomas' Hospital in London, UK. He worked at the Hammersmith Hospitals for 2 years before moving to Singapore in 1999.

He enjoys clinical infectious diseases, epidemiology and outbreak investigation. He has a 20% teaching appointment at the National University of Singapore. He has developed diagnostic assays that are marketed in Singapore and elsewhere in Asia.

He showed that ST283 was the cause of the outbreak in Singapore in 2015, and, with colleagues, pursued it's epidemiology across Asia

JOY BRYANT RN-C, BSN, MSN, EDD



Dr. Joy Bryant has taught Obstetric nursing at Morgan community college for 15 years, she previously taught for the University of West Virginia. Joy has worked as an obstetric nurse on the labor, postpartum and well infant nursery. She has a BSN as well as a Master's degree in nursing and a doctorate in education. She is also a certified lactation consultant.

PAUL CASSIDY BBS MPHIL



Paul Cassidy is a Researcher at Umamanita (stillbirth and neonatal death charity) and a PhD student in Sociology and Social Anthropology at the University Complutense of Madrid, where he also completed a Master's Degree in Research Methodology in Social Science (2014). He holds a degree in Business Studies from Waterford Institute of Technology (1995), where he lectured from 1995 to 1997, before working in private consulting on large-scale surveys, strategic development plans and community consultation processes (NGM, 1996-2003). He is the lead researcher on the first national study of perinatal bereavement care in Spain and principal author of the "Informe Umamanita" report. His other interests include medical sociology, the social organisation of grief and the materialities of bereavement. He is a published author and has contributed to the research work of the International Stillbirth Alliance and is the editor of the magazine Muerte y Duelo Perinatal. He is a member of the organising and scientific committees for the International Stillbirth Allie's annual conference in Madrid in 2019.

PRESENTERS

SWAINE L. CHEN MD, PHD



Dr. Swaine Chen is a Senior Research Scientist in Infectious Diseases at GIS and an Assistant Professor of Medicine at the National University of Singapore. He has a broad background in medicine, biology, and chemistry. In his lab, he studies not only why some bacteria cause infections, but also tries to develop new methods so that we can diagnose diseases more quickly in the future. Another major aspect of his work is using DNA sequencing to detect and understand outbreaks of infectious diseases, especially those that are unexpected, like the Group B Streptococcus outbreak associated with yu sheng fish in 2015 in Singapore.

CLARE CUTLAND MBBCH, PHD



Dr. Clare Cutland is the deputy director of the Respiratory and Meningeal Pathogens Research Unit (RMPRU) based at Chris Hani Baragwanath Academic Hospital (CHBAH), Soweto, South Africa. She qualified with a Bachelor in Science (B.Sc. 1993) and Bachelor of Medicine and Surgery (MBBCh 1997) from The University of the Witwatersrand (Wits), Johannesburg, South Africa. After completing a Diploma in Child Health (DCH 2000), she joined RMPRU as a full time research doctor, under Professor Shabir Madhi. She has been an investigator on numerous phase I, II and III paediatric and maternal vaccine trials and principal investigator on a phase II paediatric measles vaccine trial, a phase III quadrivalent influenza vaccine trial in children and a phase III maternal influenza immunization trial in HIV-positive women.

MARGARET EVANS BSC, MBCHB, FRCPATH (PAEDS), LLM



I have been employed as a consultant perinatal pathologist at the Royal Infirmary of Edinburgh since 2005 and am responsible for performing fetal and perinatal autopsies both for the hospital and the Procurator Fiscal. I firmly believe that detailed autopsy and placental pathology make a significant contribution to the understanding of stillbirth and neonatal deaths. I feel passionately about pathology involvement in the review of stillbirths and neonatal deaths and its ability to inform future care. I am concerned with issues regarding public perception of autopsy; with this in mind I have been involved in "out-reach" programmes aimed at educating young people and the wider public about the role played by pathology in the diagnosis of disease, including the development of suitable materials for engaging parents in discussion about autopsy and placental examination in order to ensure informed consent. I am also actively involved in developing new resources for health care messaging.

GABRIELA FOSTER M.ED



Gabriela Foster has a Masters of Education and is a MSW internship student who, along with her husband Jerome, founded Jalen's Gift Foundation after the loss of their son Jalen. The mission of Jalen's Gift Foundation is to assist families after the loss of a baby during a pregnancy and early infancy.

JANE HANSON-ERNSTROM RN, BSN, CNM, MS



Dedicated certified nurse-midwife and healthcare professional with over 20 years of experience serving women and children in a variety of capacities, including education, clinical settings, research, and volunteer positions. Passionate about the health and well-being of women, infants and children.

PRESENTERS

LISA HANSON PHD, RN, CNM, APNP, FACNM



Dr. Lisa Hanson is Professor and Director of the Marquette University College of Nursing, Midwifery Program. She practiced clinically as a nurse-midwife for over 30 years at the hospital setting where she conducts research. Since 2009, her program of research has been the studying of probiotics. She was recently funded by the National Institute of Health, National Institute of Child Health and Disease Prevention for a clinical trial to test the effectiveness of an probiotic to reduce prenatal GBS colonization.

SHEROKEE ILSE BA, BLFA



Sherokee is an International speaker, grief and loss trainer, bereaved parent and author of 18 books/booklets mostly on infant loss, including her first and most popular self-help book for parents and families, *Empty Arms: Coping with Miscarriage, Stillbirth, and Infant Death* and a co-authored book with Tim Nelson, *Couple Communication After a Baby Dies: Differing Perspectives*. Her newest book is, *The Prenatal Bombshell: Help and hope when continuing or ending a precious pregnancy after an abnormal diagnosis*.

She had three babies who died too soon and two living sons. Through her newest organization, *Loss Doulas International* and *Baby Loss Family advisors*, she trains and helps certify individuals to become one-to-one companions, advisors, guides, and navigators to families soon after hearing the bad news, through their process of preparation and meeting their baby, and beyond.

ELITA JAUNEIKAITE PHD



Dr. Elita Jauneikaite is an Imperial College Research Fellow in bacterial genomic epidemiology and evolution of human pathogens. She is investigating the transmission, evolution and antimicrobial resistance patterns in disease-causing bacteria such as Group B streptococci and what impact these bacterial traits have on the global infectious disease burden.

THERESA LAMAGNI MSC PHD HONMFPH

Theresa Lamagni, MSc PhD HonMFPH, is a Senior Epidemiologist and Section Head working at Public Health England (PHE). She has worked in public health for over 20 years. During this time she completed an MSc in Epidemiology at the London School of Hygiene & Tropical Medicine and a PhD at the University of Helsinki. She has authored over 100 peer-review papers, 4 clinical microbiology book chapters and 3 national public health guidelines and sits on the editorial board of the *Journal of Antimicrobial Chemotherapy*. She is the lead epidemiologist for streptococcal diseases in PHE and currently manages the national Surgical Site Infection Surveillance Service. She is involved in national outbreak and incident response and developing an evidence base to inform disease prevention programmes through national and international and research projects.

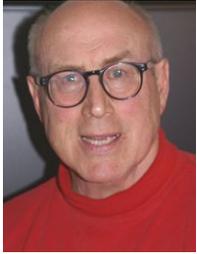
SHABIR MADHI MBBCH, FCPAEDS, MMED, PHD



Shabir Madhi is Professor of Vaccinology at University of the Witwatersrand in Johannesburg, South Africa His current research interests includes the epidemiology of GBS disease and clinical development of GBS vaccines, and include the first studies on a trivalent GBS conjugate vaccine in pregnant women.

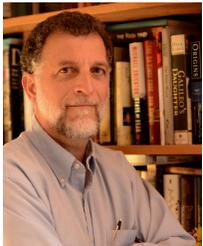
PRESENTERS

JAMES A. MCGREGOR MDCM



Dr. James A. McGregor has served as Professor of Obstetrics and Gynecology practicing at UCLA, USC and the University of Colorado Hospital. Dr. McGregor practiced as a fully engaged obstetrician and gynecologist for forty years at Cedars-Sinai/UCLA, Tucson Medical Center and University of Colorado Hospitals until his retirement in 2010. He is currently on Group B Strep International's Board of Directors and shares his expertise with GBSI through giving presentations and talking to providers and parents at perinatal conference exhibits around the world.

LAWRENCE C. PAOLETTI PHD



Dr. Lawrence Paoletti is a microbiologist with over 25 years of experience in the development and testing of group B streptococcal vaccines for use in humans. He is an author on over 70 scientific papers, review articles and book chapters relating to GBS disease prevention.

AMY PERHACH BA



Amy Perhach is the Communications Coordinator of Group B Strep International (GBSI). Amy, previously, volunteered at GBSI for over a decade, having lost a sister to group B strep. She has a Communication Studies background with a focus on Interpersonal and Organizational Skills.

MARTI PERHACH BS



Marti Perhach cofounded Group B Strep International (GBSI) in 2006. Previously she had served as President for GBSI's sister organization, The Jesse Cause, since 1999. GBSI was cofounded to expand the scope and audience of the GBS awareness campaign. She also serves as GBSI's CEO. Her background is Business Administration with a major in Hotel & Restaurant Management and a minor in Marketing from Cal Poly Pomona. Marti enjoys organizing conference exhibits to share information on how to help protect babies from group B strep disease. Marti's daughter, Rose, was stillborn in 1998 due to group B strep.

BEVIN TOMLIN BS, MS



Bevin Tomlin lost her 2nd daughter, Leah, to prenatal-onset GBS in 2013. After her loss, Bevin founded Leah's Legacy to promote GBS awareness and infant loss support. She has had two more babies since.

Bevin is actively involved in promoting GBS Awareness among providers and parents as the Southeast Regional Coordinator for GBSI. She brainstormed the idea for the Alabama GBS Awareness Campaign in which she collaborated with the Perinatal Program of the Alabama Department of Public Health to have GBS awareness materials distributed throughout the state by nurse managers. She organizes GBS exhibits at perinatal health conferences as well as baby and maternity expos for parents. She is also a board member for Pregnancy After Loss Support, a worldwide support organization for moms pregnant after loss.

SYMPOSIUM SCHEDULE

MONDAY - OCT 15

INTRODUCTION TO POGBSD

PRESENTER

PRESENTATION

David M. Aronoff MD, FIDSA, FAAM	GBS as a Cause of Preterm Labor & (P)PROM	Video
Marti Perhach Executive Director	Defining Prenatal-onset Group B Strep Disease (POGBSD)	Video
James A McGregor MDCM	Prenatal-onset GBS (POGBS) Sepsis is a Distinct Cause of Perinatal Mortality/Morbidity	Video
Gabriela Foster M.ED	Compassion Heals	Video

TUESDAY - OCT 16

PATHWAYS OF INFECTION

Timothy Barkham MBBS MSc FRCPath	Streptococcus agalactiae ST283 causing invasive sepsis in healthy adults is widespread in SE Asia	Video
Swaine L. Chen MD, PhD	Genomic insights into a foodborne outbreak of Group B Streptococcus in Singapore - and beyond	Video
Elita Jauneikaite PhD	Serial Clustering of Late-Onset Group B Streptococcal Infections in the Neonatal Unit: A Genomic Re-evaluation of Causality	Poster
James A McGregor MDCM	Functional Connectedness of the Lower and Upper Reproductive Tracts	Video
James A McGregor MDCM	Recognition of Pathogenic Pathways to Intrauterine Infection: Keys to Identifying Testable Primary Prevention Strategies	Poster
James A McGregor MDCM	Puerperal infection associated with GBS carriage during pregnancy: A logic model approach to prevention	Poster

WEDNESDAY - OCT 17

CONVENTIONAL PREVENTION STRATEGIES

Marti Perhach Executive Director	What Can We Currently Do to Help Prevent Prenatal-onset Group B Strep Disease?	Video
Joy Bryant RN-C, BSN, MSN, EdD	Monitoring fetal movement in the third trimester	Video
James A McGregor MDCM	Revisiting group B strep (GBS) symptomatic vaginitis (GBSSV)	Poster
Jane Hanson-Ernstrom RN, BSN, CNM, MS	Universal Utilization of Nurse Family Practitioner (NFP)/Home Visitation (HV) Pregnancy Services to Optimize Preconception through Early Childhood and TRANSGENERATIONAL Family Outcomes	Poster

SYMPOSIUM SCHEDULE

THURSDAY - OCT 18

ALTERNATIVE TREATMENTS AND RESEARCH

<u>PRESENTER</u>	<u>PRESENTATION</u>	
Lisa Hanson PhD, RN, CNM, APNP, FACNM	Research: Randomized Controlled Trial of Oral Probiotics for Primary Prevention of Antepartum GBS	Video
Marti Perhach Executive Director	A Logic Model-Inspired Review and Analysis of Alternative or Complementary Approaches to Prevent Group B Streptococcal (GBS) Colonization or Infection in Pregnancy or the Newborn Period	Video

FRIDAY - OCT 19

POTENTIAL PREVENTION STRATEGIES

Lawrence C. Paoletti PhD	Delayed Acquisition of Rectovaginal GBS Colonization: A Hidden Benefit of GBS Conjugate Vaccines	Video
James A. McGregor MDCM	"Reduced Discomfort" Vaccination: Pain Prevention Strategies to Encourage Readiness for a Maternal Vaccine against Group B Streptococcus	Poster
Theresa Lamagni MSc PhD HonMFPH	Assessing the potential of GBS maternal immunisation in preventing maternal infection and foetal harm	Poster
James A. McGregor MDCM	Logic model-based failure analysis of intrapartum antibiotic prophylaxis (IAP) to prevent all cases of perinatal group B strep disease	Video

SATURDAY - OCT 20

DETERMINING CAUSE/ASSESSING THE BURDEN

Shabir Madhi MBBCh, FCPaed, MMed, PhD	A prospective, observational study on causes of stillbirths in African women from South Africa (Narration by Clare Cutland, MBBCh, PhD)	Video
Marti Perhach Executive Director	What Are Ways to Help Establish a Likely Cause of Perinatal Mortality?	Video
Margaret J. Evans BSc, MBChB, FRCPath (Paeds), LLM	Post-Mortem Authorisation – Parent to Parent	Poster
James A. McGregor MDCM	Development of Putative Working Definitions of Prenatal-onset Group B Strep (POGBS) Invasive Disease Using "Internet Commons" GBS Parent and Provider Sources	Poster

SUNDAY - OCT 21

PARENT STORIES

A variety of GBS experiences—what could have changed the outcome? (CME credit not offered)

SYMPOSIUM SCHEDULE

MONDAY- OCT 22

RESPECT AND AUTONOMY

PRESENTER

PRESENTATION

Jane Hanson-Ernstrom RN, BSN, CNM, MS	Should Written Consent Be Required before Fetal Membrane Stripping Especially among GBS Carriers?	Poster
Sherokee Ilse BA, BLFA	Advocating for the health of your baby? If not you, then who? (Parts I, II, and III)	Video
Bevin Tomlin BS, MS	Provider Support in Subsequent Pregnancies after a GBS+ Birth	Video

TUESDAY - OCT 23

SUPPORTING LOSS FAMILIES

Sherokee Ilse BA, BLFA	Making or Breaking a Marriage: Couple Communication at the time of loss and over time	Video
Paul Cassidy BBS MPhil	Perinatal grief and the social world of objects: (re)ordering the past, the present and the future	Poster

WEDNESDAY - OCT 24

SUGGESTED RESEARCH

Amy Perhach BA	Internet Crowdsourced Parent-Suggested Research Agenda for the Prevention of Perinatal-onset Group B Strep Disease (POGBSD)	Video
James A. McGregor MDCM	Primary and Secondary Prevention of Fetal Death Caused by Maternal Infection	Poster

THURSDAY - OCT 25

GBS DISEASE PREVENTION FOR ALL BABIES!

Marti Perhach Executive Director	Parallel Paths to Maximize Group B Strep (GBS) Disease Prevention for All Babies: A GBS Parent Organization Perspective	Video
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An innovative medical technology company primarily focused on improving women's health and well-being, Hologic enables healthier lives everywhere, every day, with clinical superiority that delivers life-changing diagnostic, detection, surgical and medical aesthetic products rooted in science and driven by technology.

About Panther Fusion GBS:

The Panther Fusion GBS assay detects Group B *Streptococcus* (GBS), a serious and sometimes fatal infection that poses a distinct threat to newborns born to infected mothers.

This is a real-time PCR assay for antepartum testing with vaginal and rectal swabs following 18-24 hours incubation in selective enrichment broth culture of Lim Broth or Carrot Broth. It features dual-target detection of *Cfb* and *SIP* genes.

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GBS at 3 days of age

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Panther is evolving, adding PCR capabilities to the proven TMA technology on our fully automated, sample-to-result system.

The Panther Fusion® GBS assay joins the growing menu on the Panther Fusion system.

To see how the Panther Fusion® system can optimize workflow and consolidate your menu, visit PantherFusion.com.