



Centre for
Heart Lung Innovation
UBC and St. Paul's Hospital

Centre for Heart Lung Innovation Research in Progress (R.I.P.)



Is early immune development affected by sickle-cell trait?

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Dr. Scott Tebbutt

Monday, Nov 22nd 2021

9:00 – 10:00 a.m.

Zoom Video Conference

(Meeting ID: 693 1997 7044; Passcode: 030679)

“Each year an estimated 300,000 to 400,000 newborns are born with sickle-cell disease (SCD), with over 60% of cases in Africa. In some regions of Africa, as high as 25% of the population is estimated as having the sickle-cell trait (SCT). Individuals with SCT carry one copy of a gene that causes SCD, but they are typically asymptomatic. Our study investigated blood samples from 720 newborns for the presence of SCT. These samples were collected from newborns in The Gambia (west Africa) during the first week of life (first sample on the day of birth, second on either day 1 or 3 or 7) as part of a newborn vaccine response project. In this study, we explored differences in immune development of newborns with SCT during the first week of life.”

This event is a Self-Approved Group Learning Activity as defined by the Maintenance Certification Program of the Royal College of Physicians and Surgeons of Canada



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