NASAL EPITHELIAL CELLS TO ASSESS IN VITRO IMMUNE RESPONSES TO RESPIRATORY VIRUS INFECTION IN PREGNANT WOMEN WITH ASTHMA

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Abstract:
Respiratory virus-induced asthma exacerbations occur frequently during pregnancy and are associated with adverse outcomes for mother and child. Primary nasal epithelial cells (pNECs) provide a useful method to study immune responses in pregnancy. PNECs were obtained by nasal brushings from pregnant and non-pregnant women with and without asthma. PNECs were infected in vitro with major group Rhinovirus 43 (RV43) and seasonal influenza (H3N2). Following infection, pNECs showed measurable quantities of interferon (IFN)-λ, IL-1λ, IL-8, IP-10 and MIP1-λ. PNECs provide a safe and effective method for studying respiratory epithelial cell responses during pregnancy.

Biography:
Prof. Dr. Anil Batta is presently professor & Head with senior consultant in Govt. Medical College, Amritsar. He did his M.B.B.S. and M.D. in Medical Biochemistry from Govt. Medical College, Patiala in 1984 and 1991, respectively. His research interest is mainly in clinical application especially cancer and drug de-addiction. He has supervised more than 25 M.D., M.Sc. and Doctorate researches and published more than 130 international research papers. He is the chief editor of America’s Journal of Biochemistry. He is also working as advisor to the editorial board of International Journal of Biological and Medical Research. He has been a deputed member Editorial Board of numerous International & National Medical Journals of Biochemistry. He has been attached as technical advisor to various national and international conferences in Biochemistry. He has been attached as hi-tech endocrinal, genetics and automated labs of Baba Farid Univ. of Health Sciences, Faridkot. He has chaired various sessions in the Biochemistry meets. He has been nominated as member Editorial Board of various in US and other European Courtiers. He has done superspecialisation in Drug-de-addiction from PGIMER, Chandigarh.

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