



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

DR. ANIL BATT

PROFESSOR & HEAD, DEPARTMENT OF MEDICAL BIOCHEMISTRY GOVT. MEDICAL COLLEGE, AMRITSAR

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) α , IL-1 β , IL-8, IP-10 and MIP1 α . 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 deputed member Editorial Board of numerous International & National Medical Journals of Biochemistry. He has also 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 designated as member Editorial Board of various in US and other European Countries. He is also involved in various research projects at Govt. Medical, Amritsar. He has done superspecialisation in Drug-de-addiction from



PGIMER, Chandigarh.

Recent Publications:

1. Anil Batta Biochemical diagnosis of acute appendicitis International Journal of Medical and Health Research ISSN: 2454-9142
Volume 4; Issue 7; July 2018; Page No. 77-80
2. Anil Batta Burnout Syndrome in Medical Fraternity ISSN 2518-3389 (Print) ISSN 2518-3397(Online) Scholars Middle East
Publishers, Dubai, United Arab Emirates
3. Anil Batta Vitamin B12 and Depression Saudi Journal of Medicine ISSN 2518-3389 (Print)|ISSN 2518-3397(Online)
Scholars Middle East Publishers, Dubai, United Arab Emirates
4. Anil Batta Depression, Anxiety and Distress in Patients of Cancer Starting Chemotherapy Scholars International Journal of Biochemistry Abbreviated Key Title: Sch Int J Biochem ISSN 2616-8650(Print)|ISSN 2617-3476(Online) Scholars Middle East Publishers, Dubai, United Arab Emirates
5. Anil Batta Biochemical Diagnosis of Dupuytren's Disease East African Scholars J Med Sci ISSN 2617-4421 (Print) | ISSN 2617-7188 Original Research Article

[Webinar on Respiratory Disorder, July 30, 2020, London, UK\(home page link given\)](#)

Citation: DR. ANIL BATT, NASAL EPITHELIAL CELLS TO ASSESS IN VITRO IMMUNE RESPONSES TO RESPIRATORY VIRUS INFECTION IN PREGNANT WOMEN WITH ASTHMA, Webinar on Respiratory Disorder, July 30, 2020, London, UK