A Randomised Placebo Controlled Trial to Assess the Immunomodulatory effects of Arsenicum Album in Fifty Millesimal potency on Pro-inflammatory Cytokines in Paediatric Asthmatic Wheeze

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S.V. Santhosh Kumar[1], Mohan C K[1], Sisir P R[1], Chandraja CV[2]
[1]Department of Paediatrics, Sarada Krishna Homoeopathic Medical College, Kulasekharam, Tamil Nadu, India 629161
[2]Associate Professor, Department of Research Methodology and Biostatistics, JIMS Homoeopathic Medical College & Hospital, Muchintal, Shamshabad, Telangana, India- 509325
Corresponding Author:
Dr. Chandraja CV
JIMS Homoeopathic Medical College & Hospital, Muchintal, Shamshabad, Telangana, India- 509325
Email: chandrajarathish@gmail.com

Abstract

Background: Childhood asthma is a leading chronic condition globally characterised by airway inflammation driven by pro-inflammatory cytokines including Tumour Necrosis Factor-alpha (TNF-α) and Interleukin-1 alpha (IL-1α). Homoeopathic Arsenicum album has been proposed to possess immunomodulatory properties, yet objective cytokine-level evidence in children is lacking.

Objectives: To evaluate the effect of Arsenicum album in successive Fifty Millesimal (LM) potency on serum TNF-α and IL-1α levels in children aged 2–5 years with asthmatic wheeze.