

Minister of S&T, Dr. Harsh Vardhan launches Noxeno, A Novel-Nasal Foreign Body Removal Device, developed under DBT supported SIB program, managed by BCIL”

The Hon'ble Minister of Science & Technology, Ministry of Environment, Forest and Climate Change and Ministry of Earth Sciences, Government of India, Dr. Harsh Vardhan, launched Noxeno- a nasal foreign body removal device developed by start-up InnAccel Technologies Private Limited, Bangalore on December 2, 2017. Noxeno is the first dedicated tool for anterior nasal foreign body removal that allows doctors in any setting to quickly and safely remove objects that people (mostly children aged 2-10) put into their noses.



This product was conceptualized under Department of Biotechnology (DBT) supported School of International Biodesign program (earlier known as Stanford India Biodesign) at AIIMS, New Delhi and IIT-Delhi. SIB is a flagship program of DBT, Ministry of Science and Technology, Government of India aimed at training the next generation of pioneers in the development of innovative and affordable medical devices as per unmet clinical needs of India and bringing such impactful devices to the real world. This program is being implemented at AIIMS and IIT-Delhi in collaboration with International partners. Biotech Consortium India Limited (BCIL) manages techno-legal activities of the program.

There are an estimated 25-30 million incidences of nasal foreign bodies (NFB) occurring in India every year. Most parents rush their children to the nearest doctor. The first contact is typically a general physician or pediatrician. Due to lack of resources an ear nose and throat (ENT) specialist is not always available to address the case. Doctors use makeshift tools like bent needles, tweezers and glue to attempt removal. Not only are such methods ineffective in 70% of cases but it can be dangerous as well, injuring the child. A nasal foreign body if pushed deeper can block the airway and lead to the patient going into respiratory distress. A foreign body is also something that can spread serious infections, if not addressed quickly.

Noxeno has been 100% invented, designed, engineered and manufactured in India.

Noxeno has an ergonomic handle along with a built in light source and a hinge. This allows the user to slip behind the NFB and remove it in a matter of seconds by simply squeezing the trigger and pulling the device. The modular nature of the system allows for sterilization of the hinge through autoclaving it. This reusable device has a target price of around INR 5000, making it both easy to use and cost-effective. The company hopes to deploy this device across primary health care centers, community health care centers, clinics and smaller hospitals nationwide by 2020.

DBT along with its partners AIIMS, IIT Delhi and BCIL is pleased to announce the product launch of Noxeno as its fifth product coming out from its flagship program SIB.

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