

Apps launched for fast and accurate ABG test and neonatal resuscitation

22 May 2017 | News

Paediatrician Dr Satish Deopujari has developed an app through which doctors can now perform Arterial Blood Gas (ABG) test on their 'iWatch' more precisely in just a few minutes.



Paediatrician Dr Satish Deopujari has developed an app through which doctors can now perform Arterial Blood Gas (ABG) test on their 'iWatch' more precisely in just a few minutes. For a patient on ventilator, ABG test is something on which his life may depend on. Being in Intensive Care Unit (ICU), the doctor is expected to spontaneously perform the test based on manual calculations.

The iWatch-based ABG app was inaugurated by Sagar Meghe, treasurer of Datta Meghe Institute of Medical Sciences (DMIMS), Sawangi, in Nagpur on Sunday. The programme was organized by Child Hospital and Research Institute, Nagpur, in association with DMIMS, and Paediatric Intensive Care Chapter, Nagpur.

ABG test checks how well the lungs are able to move oxygen into blood and remove carbon dioxide. In 2016, the ABG app was developed for cell phones (both Android and Apple-based), but realizing the value of time and ease of use for a doctor, the app was made iWatch accessible.

Another mobile-based app called Neonatal Resuscitation India (NRI) was also launched at the ceremony followed by a workshop based on utilization of the app. NRI, developed in collaboration with National Neonatology Forum of India (NNFI), can be used by doctors to take right decisions while giving resuscitation. The app is based on the algorithm formed using international guidelines on neonatal resuscitation.