

Indomethacin shows efficacy in treating hospitalised COVID-19 patients: IIT-M

22 April 2022 | News

The research has recently been published in the prestigious peer-reviewed journal *Nature Scientific Reports*



A recent peer-reviewed journal paper published in *Nature Scientific Reports* has shown the excellent efficacy of Indomethacin, a non-steroidal anti-inflammatory drug, as an antiviral agent in the treatment of mild and moderate COVID-19 patients.

The study conducted at Panimalar Medical College and Research Institute was led by Dr Rajan Ravichandran, an Adjunct Faculty at the Indian Institute of Technology (IIT) Madras and Director Nephrology at Madras Institute of Orthopaedics and Traumatology (MIOT) hospitals. The study was conceptualised and coordinated by Prof R Krishna Kumar, Institute professor, IIT Madras.

The Indian researchers are the first to show the efficacy of indomethacin through a randomised clinical trial on the scientific basis has been researched by Italian and US scientists. The entire study was funded by Kris Gopalakrishnan an alumnus of IIT Madras and Chairman, Axilor Ventures.

Prof R Krishna Kumar, Institute professor, IIT Madras, "None of the 103 patients who received indomethacin developed oxygen desaturation. On the other hand, 20 of the 109 patients from the control group were desaturated with oxygen saturation levels below 93 per cent. Indomethacin group patients recovered from all symptoms in three to four days. It took double the time for the control group. Liver and kidney function tests showed no adverse reaction. The fourteenth day follow-up showed that nearly half of the control group patients had several discomforts while a few indomethacin patients complained only of tiredness".