

Tissue Science 2019: Evaluation of serum calcium levels in pre-eclampsia: Heera Lal Roy and Susmita Nargis-Khulna City Medical College, Bangladesh Ad-din Sakina Medical College, Bangladesh

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Pre-eclampsia is the most common medical complication of pregnancy associated with increased maternal and infant mortality and morbidity. Reduced serum calcium level are found associated with elevated blood pressure in preeclampsia.

To evaluate serum calcium level in preeclamptic women. This cross sectional study was carried out in among 50 pre-eclamptic patients, aged 20 to 40 years, and gestational age ranges from 20 to 40 weeks and 50 age and gestational age matched normotensive pregnant women having no proteinuria. Serum calcium was measured by Colorimetric method. The mean age and mean gestational age of pre-eclampsia was not significantly different from those of normotensive pregnant women ($p=0.203$ and $p=0.251$ respectively). The mean body mass indexes of the test patients were significantly different from those of normotensive pregnant women ($p<0.001$). The mean serum calcium level was 7.27 ± 3.01 mg/dl in pre-eclampsia and 7.25 ± 2.59 mg/dl in normal pregnant women; did not differ significantly between the subjects of pre-eclampsia and normal pregnant women ($p=0.963$). Serum calcium has no association in occurrence of pre-eclampsia.

There are various explanations behind the speedy reaction, including the direness of the philanthropic circumstance and a proactive way to deal with publicly supporting thoughts from the administration. India likewise has an abundance of prepared building ability and helps cultivate what's called jugaad – a cheap development outlook to discover hacks to issues with restricted assets.

Robots, apps and ventilators

Around the globe, social separating and contact following have been the popular expressions of the reaction to COVID-19. A specific issue as lockdowns simplicity will be the manner by which to stop the infection spreading openly spaces, for example, air terminals or transport stations. Asimov Robotics, a beginning up situated in Kerala, has conveyed robots

at passages to places of business and other open spots to administer hand sanitiser and convey general wellbeing messages about the infection.

Robots created by Asimov Robotics are likewise being conveyed in emergency clinic disengagement wards to convey food and meds, which facilitates the weight on clinical staff.

Toward the beginning of April, the Indian government propelled a COVID-19 following application called Aarogya Setu which utilizes GPS and Bluetooth to illuminate individuals when they are in danger of presentation to COVID-19. The application was propelled before a comparative activity from tech goliaths Google and Apple got off the ground.

New businesses including KlinikApp and Practo, are giving COVID-19 tests at home and online counsel with specialists through their foundation.

In light of the deficiency of ventilators for basic consideration, new companies, for example, Nocca Robotics (brooded at Indian Institute of Technology(IIT)- Kanpur), Aerobiosys Innovations (hatched at IIT Hyderabad) and AgVa Healthcare are growing ease, simple to-utilize, and convenient ventilators that can be sent even in country territories of India. These ventilators would require clinical administrative endorsement before they could be conveyed.

New businesses are additionally supporting the administration's open data crusade on coronavirus by creating innovation stages to disperse government warnings. The Kerala state government propelled an application called GoK-Kerala Direct utilizing a stage created by QKopy. It sends COVID-19 updates and travel data by means of telephone notices, and by means of SMS to more established telephones for the not exactly 50% of India's populace without cell phones. These messages are conveyed both in English and in Malayalam, the neighborhood language

Connecting people

My discussions with a portion of these business visionaries and trailblazers from India have featured a genuine case of the triple helix model of development, incorporating endeavors between colleges, enterprises (new businesses) and the legislature, in light of COVID-19. Despite the fact that the dynamic association of building volunteers from colleges and industry is the soul of these developments, two other empowering factors are likewise especially critical.

To start with, the middle person associations assisting with uniting the three gatherings. For example, the national government's Department of Science and Technology has set up a team to plan advancements created by new businesses identified with COVID-19. It is additionally financing new companies to create significant advancements, for example, fast testing for the infection.

Another model is that of the Kerala Start-up Mission (KSUM), a legislature bolstered business advancement organization. It propelled activities, for example, "Breath of Hope" which unites an interdisciplinary volunteer group of IT experts, biomedical designers and specialists to create inventive clinical gadgets. New companies, for example, Asimov Robotics and QKopy are a piece of KSUM.

Crowd sourcing ideas

Second, publicly supported stages have likewise end up being a significant channel for uniting the intelligence from colleges, industry and government. The national government propelled the COVID-19 arrangement challenge on March 16 that welcomes trailblazers to offer thoughts and answers for handling the pandemic. Industry affiliations, for example, the Federation of Indian Chambers of Commerce and Industry worked together in an online hackathon to create non-clinical answers for COVID-19.

Comparative publicly supported stages from fire up hatcheries, for example, BreakCorona got 1,300 thoughts and 180 item arrangements inside two days of dispatch. In another exertion, volunteers have set up an online publicly supported entry called Coronasafe-Network, an ongoing open-source open stage containing subtleties on COVID-19 precautionary measures, devices and reactions which fills in as a helpful starter-unit for pioneers.