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Telemedicine in Lucas Machado educational foundation: Integrating frontiers by technology

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The Medical Sciences University, maintained by the Lucas Machado Educational Foundation, exists for more than 70 years and offers one of the best medical courses in Brazil, according to the Ministry of Education. Our Institution develops a Telemedicine project started in 2016 in Robotics. Acquired three Robotic Surgery System, Da Vinci (Intuitive Company) at Vila da Serra Hospital in 2016 at Felício Rocho Hospital in 2017 and Vera Cruz Hospital in 2018 performing 1007 cases. This is part of a strategy to improve the technology to South America, regarding academic model established in three steps: Robotic discipline in graduation medical, post-graduation course in robotics and a platform surgery training and certifying surgeons. We seek with a platform to make it possible for people from different regions to access online platforms and applications built to allow health professionals who work far from the big centers to access orientations transmitted by professionals of extreme technical quality. The solution also provides artificial intelligence that will help the physician in the possible diagnoses by combining several associated factors indicated during the consultation made by the platform. We apply new learning methods in which the communication network will be possible to coordinate educational activities as well as distance assistance, including for students during their internship and who undergo the experience of primary care. So we contribute to train professionals who are competent in the use of technology and in the promotion of quality health for all.

Biography

José Eduardo Fernandes Tavora holds a Medical Degree from the Faculty of Medical Sciences of Minas Gerais (1989) a Bachelor's Degree in Biology from the Pontifical Catholic University of Minas Gerais (1983) and a Master's Degree in Health Sciences from the Minas Gerais State Institute of Health Care (2005). He is currently an Urologist at Vila da Serra Hospital, Coordinator of Urology at Vila da Serra Hospital, Professor and Coordinator of the Robotic Surgery Institute and of the lato sensu Post-graduation in minimally invasive surgery and robotics of the University of Medicine Medical Sciences.

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