

Cigarette smoke effects on autonomic regulation of cardiovascular system: Studies in human and animals

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Cardiovascular surgery has always been a specialty that has had a solid education, when we take into account training. In a country vast as Brazil, with a population lately with the increasing number of new techniques and the diseases' severity of most patients, it is becoming more difficult to train new surgeons, or for the matter, to retrain old surgeons, not only in new techniques, but also to intend to train to become expertise in some operations. It is known that to become an expert in a known technique a continuous training in a full time period will be needed for some years. It is also known that for a training program to be efficient, the trainers, tutors or teachers, should have skills different from what we were accustomed to. In Brazil, through the national society of cardiovascular surgery, a program was started, to train new cardiovascular surgeons, after a four year residency in general cardiac surgery, or retrain established cardiac surgeons, into becoming experts in endovascular surgery. The program has a theoretical approach, followed by a part where the trainee is located to a "Hands On" lab or a biological simulator, under the supervision of specialists, and also to virtual simulators. After this the trainee follows a strict program in a specialized centre, where he has the opportunity not only to participate in all cases, being the theoretical discussion and the clinical and surgical part of the procedure. An integrated centre for the theoretical and simulator part was created in the centre of Brazil, in cooperation with the industry, and eight clinical centres, which receive the trainees, after a process of evaluation, so that they can actually perform the surgeries. These features are a way to solve the problems of training with good specialists in a vast country, with some logistic problems.

Biography

Vitor Engracia Valenti has completed his PhD at the age of 27 years from Universidade Federal de São Paulo (UNIFESP), São Paulo, SP, Brazil, he spent 5 months of his doctoral fellowship at the School of Medicine of the University of Utah, Salt Lake City, Utah, USA, and postdoctoral studies from University of São Paulo (USP), São Paulo, SP, Brazil. He has published more than 45 papers in reputed journals and serving as an editorial board member of Clinical Reviews and Opinion, Asian Journal of Medical Science, Journal of Diabetes and Endocrinology and Journal of Medical Laboratory and Diagnosis.