

# WORLD HEART CONGRESS

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### **How can we change training for cardiovascular surgeons? A new way of looking at an old problem**

Cardiovascular surgery has always been a specialty that has a solid education, when we take training into account. In a country vast as Brazil, with a population growing, it is imperative to have the same strategies to teach in different subsets. 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 know 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 center, 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 center for the theoretical and simulator part was created in the center of Brazil, in cooperation with the industry, and eight clinical centers, 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**

Rui Manuel de Sousa Sequeira Antunes de Almeida is the Board Member of the Paraná' Society of Cardiovascular Surgery, since 2002, and became its President (2006-08). He was elected as a President of the South Brazilian' Society of Cardiovascular Surgery (2007-09), a Member of the Board of the Brazilian' Society of Cardiovascular Surgery (2009-2010), President of the Board (2011-2013) and President of the Endovascular Department of the Brazilian' Society of Cardiovascular Surgery (2011-2013), Scientific Director of the Brazilian' Society of Cardiovascular Surgery (2014-15) and Vice-President for the period of 2016-17. He has published more than 100 papers in peer reviewed national and international medical journals and presented more than 250 papers in scientific meetings. He also served as the Editorial Board Member of 10 international journals and five Brazilian journals.

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