

Global Experts Meeting on

# PLASTIC AND AESTHETIC SURGERY

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### Robotics in Plastic Surgery – Present and Future

Robotics in surgery is becoming the gold standard of minimally invasive surgery for many different disciplines in the surgical field and in plastic surgery it has been used for harvesting the latissimus dorsal for breast reconstructive cases as well as some cases in microsurgery. In 2014, Dr Marco saw the many potentials in incorporating and adapting the use of robotic surgery into his field of interest – muscles aponeurotic rectus plication also known as abdominoplasty.

The many advantages of robotic has shown superior comparing to the use of endoscopy with things such as an improve in terms of a 3D image with high definition and up to 10 times magnification, and allows the surgeon to direct every movements of the tiny instruments using console controls and the robotic arms movements replicates the

surgeon's hands movements and eliminate hand tremors and allows one to have very precise vision and control during the procedure as compared to endoscopy. Seeing these many advantages the author embarked on his training journey to be a certified robotic surgeon.

In 2015, the author delivered his inaugural case of muscles aponeurotic rectus plication (abdominoplasty) using the da vinci robotic incorporating with some special self-designed instruments. The author will discuss a series of cases performed with robotics and showing the pre, intra and post follow up results.

He will discuss on the advantages comparing to open and endoscopy methods, his learning curve in the journey of embarking robotics and comments on the latest and futuristic developments on robotic surgery in the use of plastic surgery.

### Biography

Dr Marco Faria Correa has a special interest in the functional and cosmetic aspects of the abdominal wall. With over 30 years' experience in treating idiopathic, post-surgery and post gestational abdominal wall deformities and with hundreds of patients with over 20years of clinical follow up, Dr Marco has published many papers on his analyses, thoughts and conclusions about abdominal wall repair materials and methods. In 1991, Dr Marco pioneer the use of Endoscopy with his special technique and instruments in Abdominoplasty and this won him international fame with multiples awards and recognitions for his innovation that leads to countless surgical demonstrations and workshops worldwide and in 2015, Dr Marco advances his own Endoscopy Abdominoplasty with the introduction of using the da vinci Robotic Surgical System and some self-designed instruments and performed his inaugural case of rectus aponeurotic plication.

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