



2nd International Surgery, Translational and Regenerative Medicine Conference

April 15-16, 2019 Valencia, Spain

Robotic Pancreatic Surgery

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Minimally invasive surgery (MIS) has achieved worldwide acceptance in various fields, however, pancreatic surgery remains one of the most challenging abdominal procedures. Laparoscopic pancreatic surgery has not gained broad acceptance due to the complexity of the procedure, the accuracy required to perform the operation and the steep learning curve involved. Indeed, the procedure has only achieved widespread consensus for distal pancreatectomy. In the field of major pancreaticoduodenectomies, the laparoscopic approach is still considered to be an extremely demanding method due to the challenge of reconstruction. The development of the robotic platform has overcome many of the disadvantages of traditional laparoscopy.

Robotic surgery (RS) gives the surgeon a three dimensional stereoscopic view of the operating field and restores hand-eye coordination that is often lost in traditional laparoscopy when the camera is offset to the plane of dissection. Given the limitations of current laparoscopic technology and the need for meticulous vascular control as well as complex reconstruction in pancreatic surgery, we hypothesized that RS would be particularly a good option for these procedures. We now report our experience with 70 consecutive robotic-assisted pancreatic resections.

We evaluate the safety, feasibility, cost and versatility of this platform in the hands of dedicated, high volume Hepato-Pancreato-Biliary (HPB) surgeons.

Biography:

Dr. Emilio Vicente Lopez is a Professor of Surgery from Sanchinarro University Hospital and "Clara Campal" Oncological Centre, Madrid, Spain. He is also the chairman of Surgical Section from San Pablo University (CEU). He has done his PhD from Basque Country University (Spain). He has given 332 Lectures, published 282 medical journals. He received numerous awards for his work and he is honourable member of 15 medical societies.