



## Viability of the subcutaneous vulvar flap verified with near-infrared and Indocyanine green endoscopy for vulvar cancer

Capozzi Vito Andrea

University of Parma, Italy

### Abstract:

Vulvar cancer is a rare disease affecting the older age and accounts for 3-5% of all gynaecological cancers. The primary surgical treatment consists of radical vulvectomy with nodal staging. This type of surgery is often destructive, involves a large loss of tissue, and requires reconstructive surgery. Reconstructive surgery needs high surgical skills and is affected by a high complication rate ranging from 15 to 35%. The complication that most often occurs after vulvar flap reconstructive surgery is the wound dehiscence due to inadequate vascularization of the flap. Despite several techniques have been proposed to verify the vitality of the vulvar flap, many methods cannot be performed during surgery and require expensive devices often missing in a gynecological clinic. We first proposed the vulvar flap viability evaluation using a near-infrared endoscopic probe and Indocyanine green tracer. The method has proven to be easy to perform, with no complications, and reproducible in any gynecological clinic as it does not require additional devices. A prospective study is currently underway in our department to verify the feasibility and the safety of the vulvar flap viability evaluation through a near-infrared endoscopic probe and to evaluate long-term vulvar flap outcomes. The study was approved by the ethics committee of the University of Parma, with protocol number: 0001123.



### Biography

Dr. Capozzi Vito Andrea is currently medical doctor at the Department of Gynecology and Obstetrics of the University of Parma. Dr. Capozzi is an expert in the field of minimally invasive gynecological oncological surgery and classic laparotomic surgery. He was born in Grottaglie (TA), Italy in 1988, and then he graduated from the University of Parma in July 2014. He completed his residency at the University of Parma, Parma, in 2019 and He completed his training at the Department of Obstetrics and Gynecology, Catholic University of the Sacred Heart, Fondazione Policlinico A. Gemelli, Rome, Italy. He has published several scientific publications in international journals in the field of oncological gynecology and is reviewer of different international journals.

[Webinar on Surgery; Berlin, Germany; November 19, 2020](#)

**Citation:** Capozzi Vito Andrea: Viability of the subcutaneous vulvar flap verified with near-infrared and Indocyanine green endoscopy for vulvar cancer; Webinar on Robotic Surgery; Berlin, Germany; December 16, 2020