A new way to debulk with Versajet in chronic lymphedema: a case report
Jeong Tae Kim MD PhD / Christina Png MBBS
Hanyang University Medical Center, Seoul, Korea / Monash University, Australia No disclosure

pnghuivingchristina@gmail.com

Background: Since the introduction of the Versajet hydrosurgery system by Smith and Nephew in 1997, there has been an increasing adoption of the hydrosurgery system into wound management practices. A literature review reveals multiple studies assessing the effectiveness of the hydrosurgery system of various wound debridement. To our knowledge, this is the first case report detailing the use of the Versajet II hydrosurgery system to excise fibrotic lymphatic tissue in chronic lymphedema debulking surgery.

Method: A case report of a patient with chronic lower limb swelling who underwent lymphedema surgery. The intra operative use of the Versajet II hydrosurgery system for excision of fibrotic subcutaneous tissue in advanced stage lymphedema is demonstrated with photos and videos.

Results: We found this method of lymphedema debulking surgery easier, faster and less traumatic to surrounding tissues. There is direct visualisation of the subcutaneous layer during resection, making the surgery more efficient and safe. Surgical ergonomics of the angled handpiece allows for better precision in surgery and less surgeon fatigue. The ability to adjust the strength of water dissection makes for delicate excision.

Conclusion
This is the first case report demonstrating the use of the Versajet II hydrosurgery system in debulking fibrotic lymphedematous tissue. The hydrosurgery system is found to be superior in time efficiency, ease of operation and surgical precision with even smooth debridement.