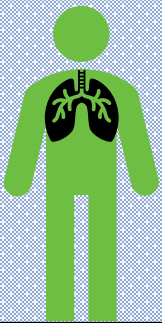


# Octreotide - The Lymphatic Stimulator?

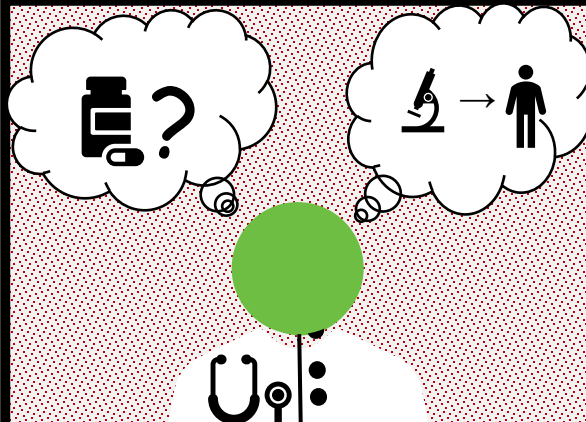
T. Holm-Weber, F. Skov, L. Thorup, S. Mohanakumar, T. Riis, P. Jensen, M. Christensen, D. Sonne, D. Briggs, V. Hjortdal.

Lymphatic complications are rare but severe...

Like Chylothorax...



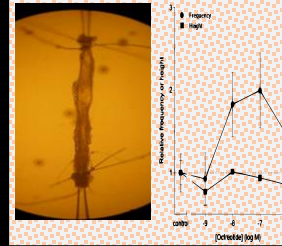
or protein losing enteropathy



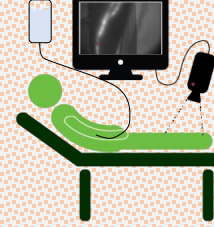
There are no available pharmaceutical treatment options. We wanted to find one through translational research.

Pre-clinical investigation: Octreotide revealed an increase in lymph rate during octreotide exposure.

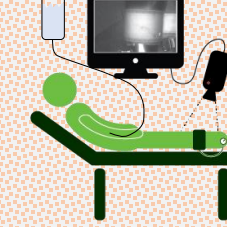
Clinical: Octreotide infusion while performing NIRF Imaging and plethysmography. Double blinded crossover study with 16 healthy participants.



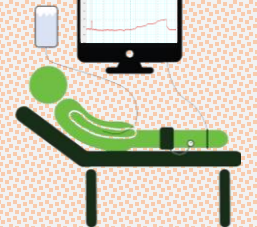
Myograph



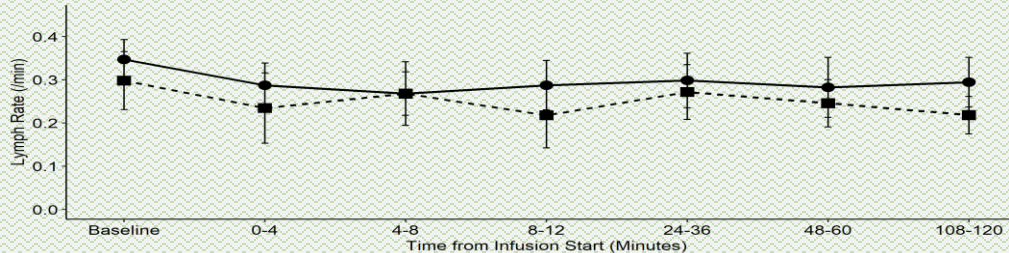
Lymph Rate



Lymph Pressure

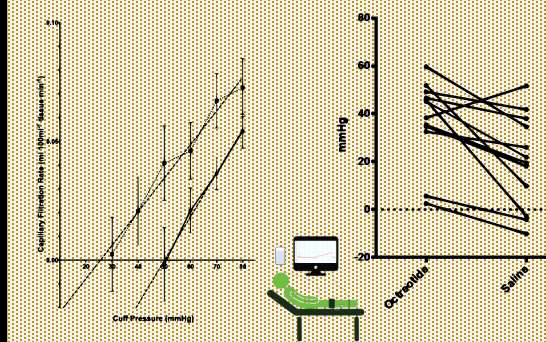


Plethysmography



NIRF imaging revealed no changes in Lymph rate and pressure during octreotide (●) nor saline (■) infusion.

Plethysmography revealed no changes in capillary filtration coefficient, whereas the isovolumetric pressure was increased during octreotide infusion



Octreotide stimulates lymphatic activity in the pre-clinical setup and increases the isovolumetric pressure in healthy adults.

