

# Hemostasis in a Porcine Liver Resection Model

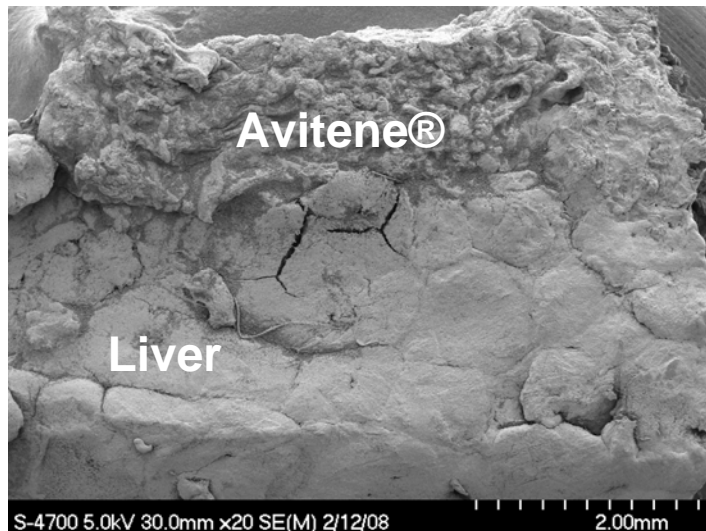
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NNIN Facility utilized: Characterization Facility

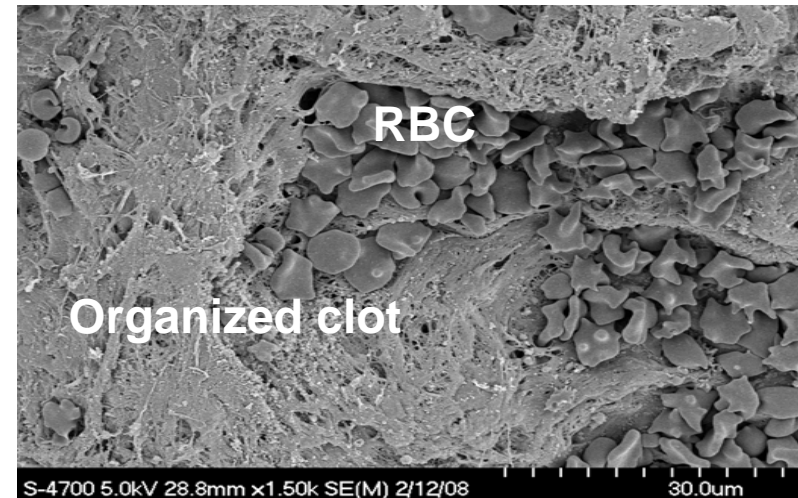
## DESCRIPTION OF WORK

- ◆ Preclinical assessment of the hemostatic effectiveness of a novel product as compared with commercially available methods
- ◆ Established model of partial liver lobe resections in pigs
- ◆ Cellular aggregation was assessed using scanning electron microscopy (SEM)



## MAJOR OBSERVATIONS

- ◆ The novel product provided comparable hemostatic treatment to liver resections in pigs as compared with commercially available technology
- ◆ SEM revealed that the mechanism of action of this novel product was due to a mechanical barrier that resulted in reduced blood flow
- ◆ The novel product was porous, allowing the aggregation of red blood cells (RBC) leading to hemostasis and the formation of an organized clot



- ◆ There are no publications at this time, as this was an industry-initiated contract with ESS