




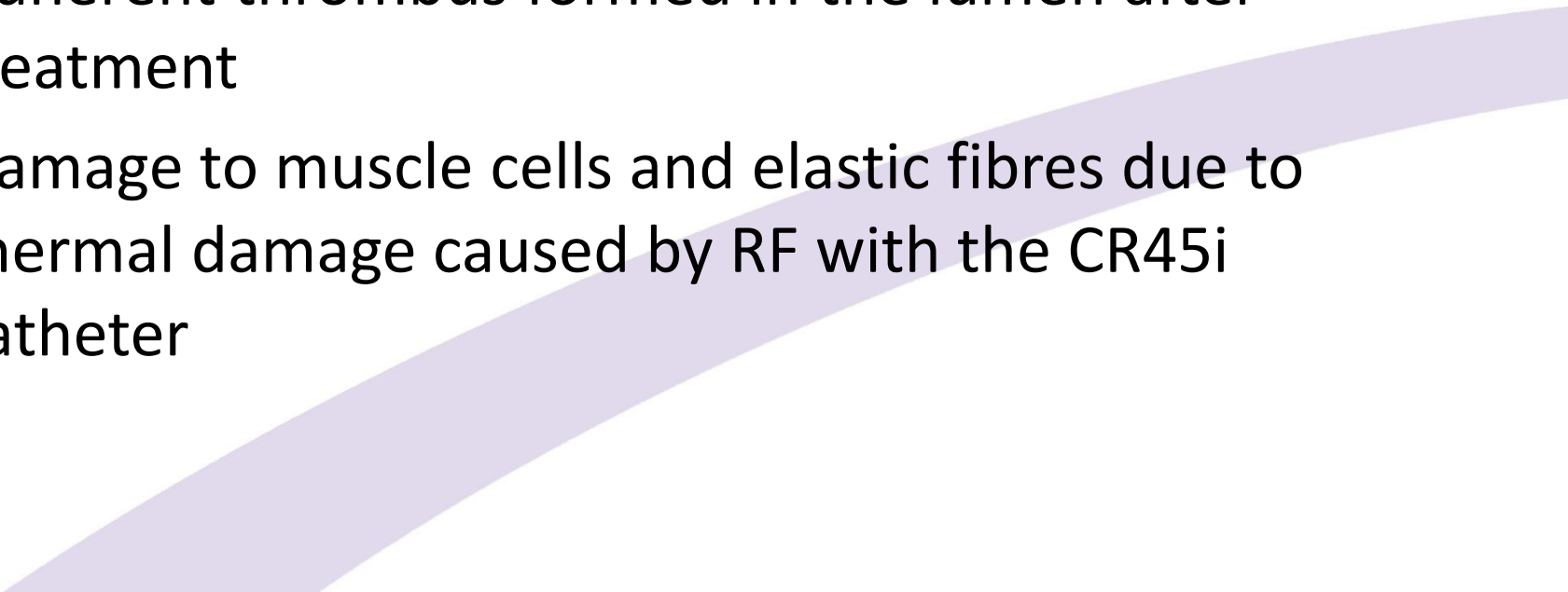
EVRF Radiofrequency CR45i Histology

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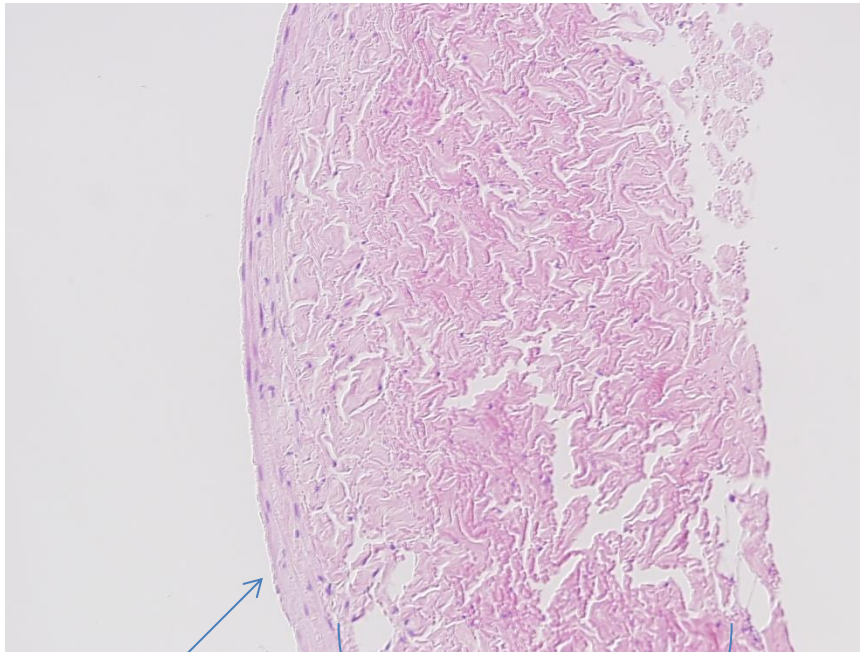
Method

- Taking samples of treated sheep leg veins
 - Samples were fixed in formaldehyd and examined under microscope
 - 200x and 600x magnification was used
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Findings

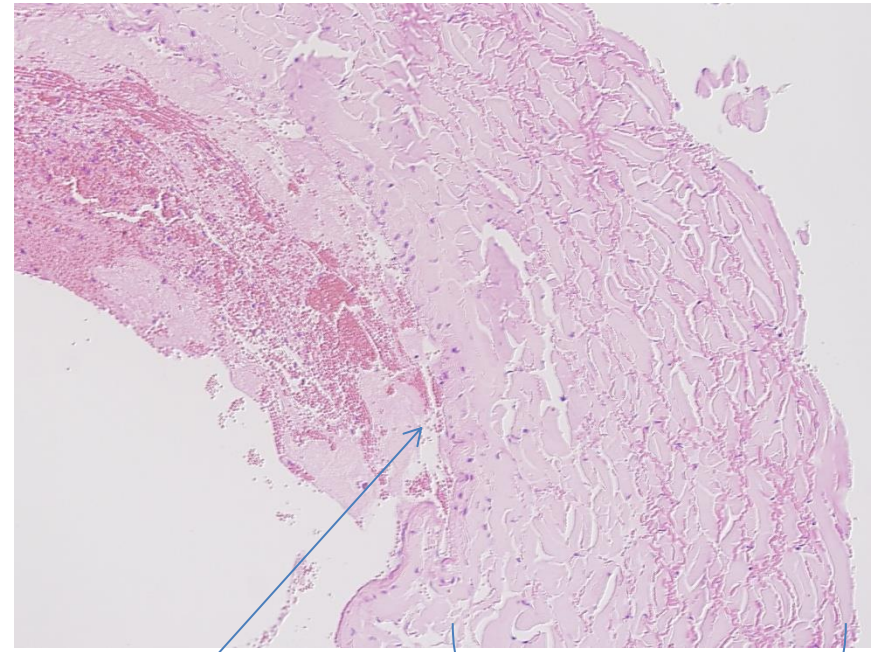
- Clear difference between untreated and treated veins
 - Treated veins showed the desirable desintegration of the endothelial layer
 - Adherent thrombus formed in the lumen after treatment
 - Damage to muscle cells and elastic fibres due to thermal damage caused by RF with the CR45i catheter
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Vein wall before and after EVRF treatment – HE stain, 200x



Normal endothel

Intact media layer

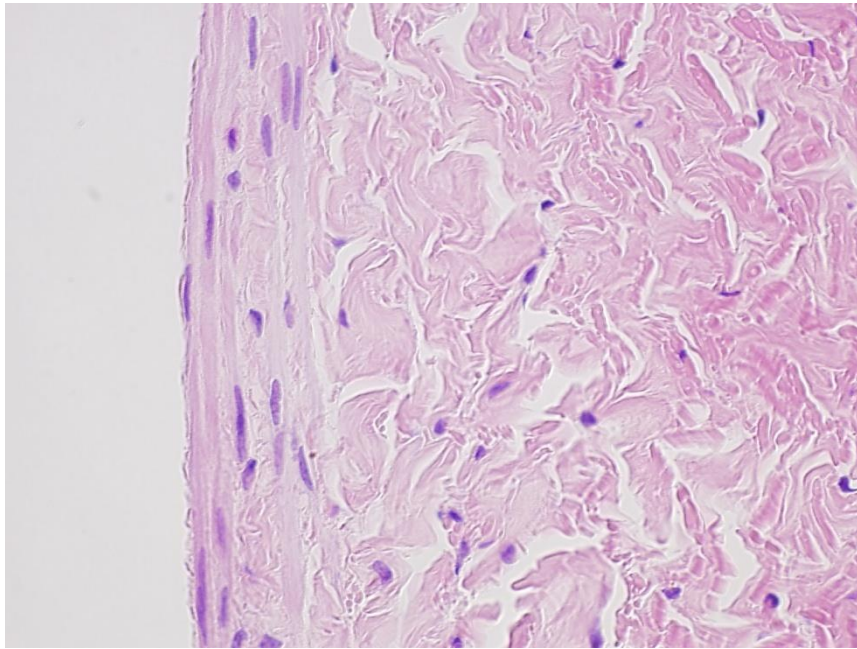


Desintegrated endothel cells,
thrombus formation

Desintegrated, blown up muscle cells and
elastic fibers due to thermal damage

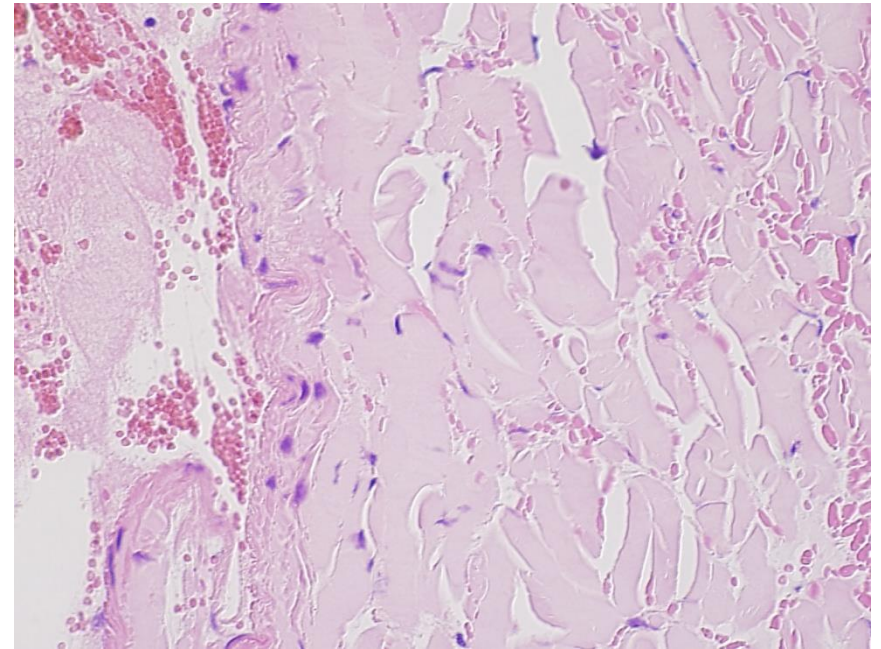
Vein wall before and after EVRF treatment

– HE stain, 600x



Normal endothel

Intact media layer



Desintegrated endothel cells

Desintegrated, blown up muscle cells and elastic fibers due to thermal damage