

## ANEXO I. COMANDOS UTILIZADOS EN EL SOFTWARE VMTK

En este anexo se recogen los comandos utilizados para la generación del modelo de un AAA mediante el software VMTK.

Para cada paciente se ha ido variando el número del caso que le da nombre a la carpeta y al archivo formato .STL generado en el software MeVisLab y posteriormente en Catia, así como si se pretendía extraer información del lumen o de la pared del trombo del AAA.

Lista de comandos utilizados:

vmtksurfacereader -ifile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009.stl --pipe

vmtksurfacewriter -ofile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009.vtp --pipe

vmtksurfaceviewer

vmtksurfacereader -ifile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009.vtp --pipe

vmtksurfacesmoothing -iterations 20 -passband 0.1 -ofile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009.vtp --pipe

vmtksurfaceviewer

vmtksurfaceclipper -ifile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009.vtp -ofile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009\_1.vtp

vmtkcenterlines -ifile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009\_1.vtp -ofile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009\_2.vtp --pipe

vmtksurfacereader -ifile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009\_2.vtp --pipe

vmtksurfaceviewer

vmtkcenterlinesections -ifile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009\_1.vtp -centerlinesfile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009\_2.vtp -

branchsectionmaxsize branchmax -branchsectionminsize branchmin -ocenterlinesfile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009\_3.dat

vmtkcenterlinegeometry -ifile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009\_2.vtp -ofile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009\_4.dat

vmtkcenterlineattributes -ifile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009\_2.vtp --pipe

vmtkbranchextractor -radiusarray@ MaximumInscribedSphereRadius --pipe

vmtkbifurcationreferencesystems --pipe vmtkcenterlineoffsetattributes -referencegroupid 1

-ofile C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009\_5.vtp --pipe

vmtksurfaceviewer -ifile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009\_5.vtp

vmtkcenterlinegeometry -ifile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009\_5.vtp -smoothing 1 - iterations 100 -factor 0.1 --pipe vmtksurfacewriter -i @.o -celldata 1 -ofile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009\_6.dat

vmtkcenterlineattributes -ifile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009\_2.vtp -ofile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009\_7.vtp

vmtkcenterlinegeometry -ifile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009\_7.vtp -smoothing 1 - iterations 100 -factor 0.1 --pipe vmtksurfacewriter -i @.o -celldata 1 -ofile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009\_8.dat

vmtkcenterlines -ifile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009\_1.vtp -seedselector

openprofiles --pipe vmtkbranchextractor --pipe vmtkbifurcationreferencesystems --pipe

vmtkbifurcationvectors -ofile

C:\\Users\\albbla\\Desktop\\EstudioANR\\19009\\Lumen\_19009\_9.dat