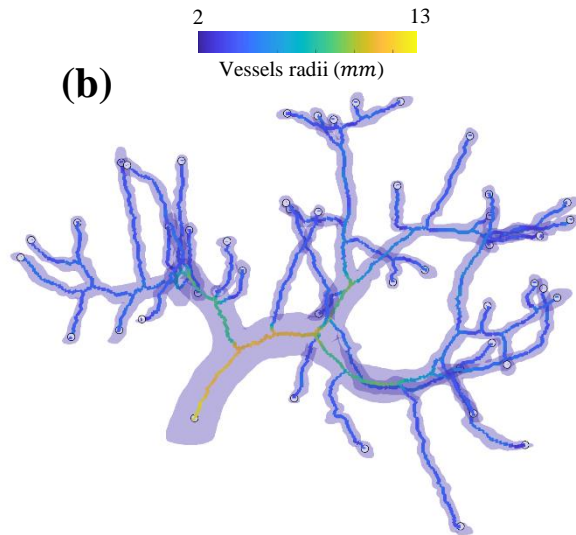
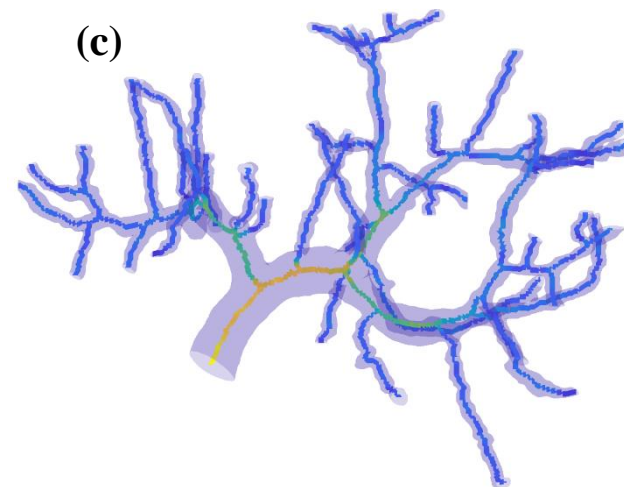


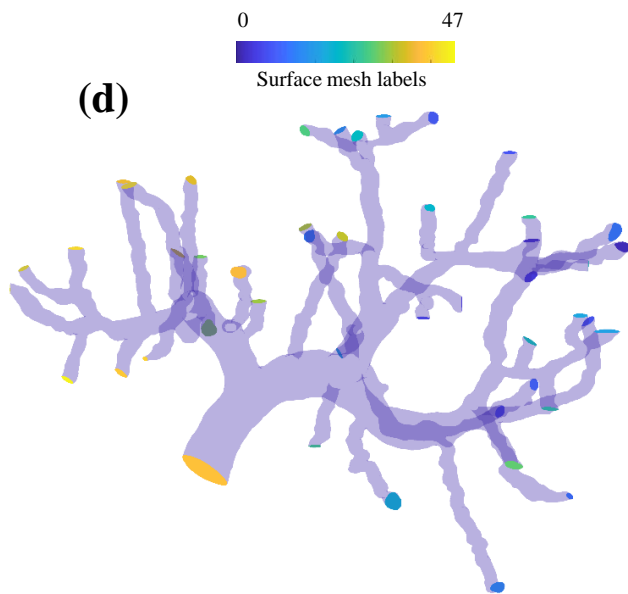
Segmented portal vein network



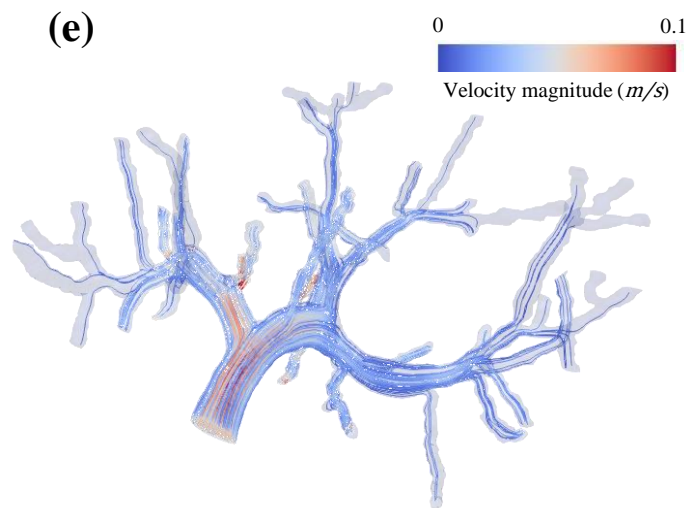
Processed surface mesh overlapped with the portal vein network skeleton



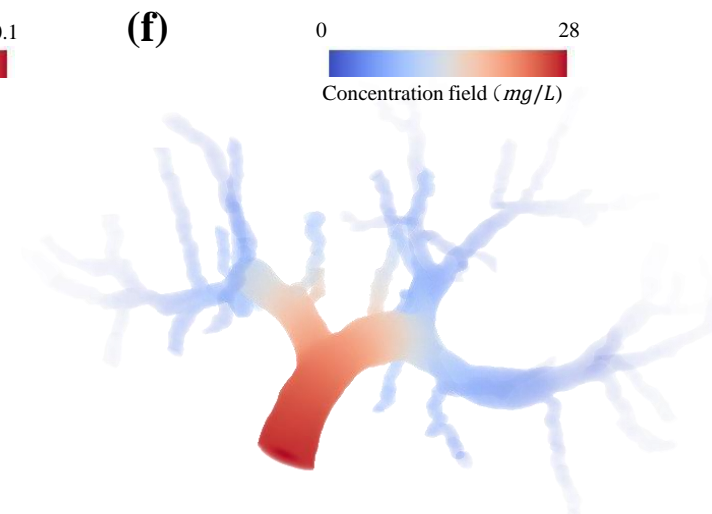
Automated skeleton-informed slicing of the surface mesh



Automated sealing and labelling of the surface mesh



Velocity field streamlines in the portal vein network



Advection-diffusion of a chemical substance injected in the portal vein