

Comparison to the Flower Glyphs by van Pelt et al.[51]]

We compared our our tool to the system by van Pelt et al. [51]. The comparison was performed for C16, which was also used by van Pelt et al. It was virtually stented with four stent configurations. The experts were asked to identify the stent leading to lowest WSS at interesting locations such as the ostium. Figure 1 shows exemplary results using the flower glyphs. Based on this, the experts were unsure about the optimal stent, since configuration 1 (green) and 4 (brown) seems to lead to similar WSS distributions. The varying radii of the disks only provide indirectly quantitative information. Figure 2 shows exemplary results for the comparison of configuration 1 and 4, where the scatterplots in the lower matrix were inverted. The experts brushed suspicious regions on the surface. Based on this, the experts were able to observe that configuration 4 more strongly reduces WSS than configuration 1, which was also described as the best option by van Pelt et al. The 2D map indicates immediately that WSS is stronger reduced by configuration 4.

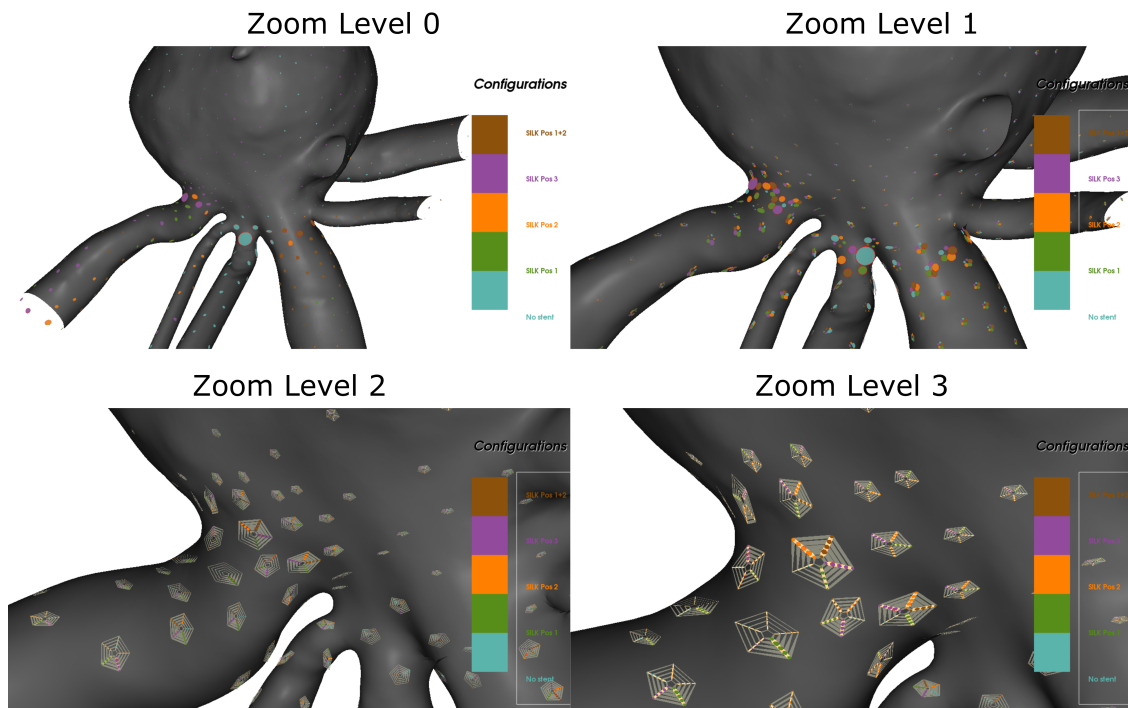


Figure 1: Exemplary results of the exploration of C16 using the flower glyphs for different zoom levels.

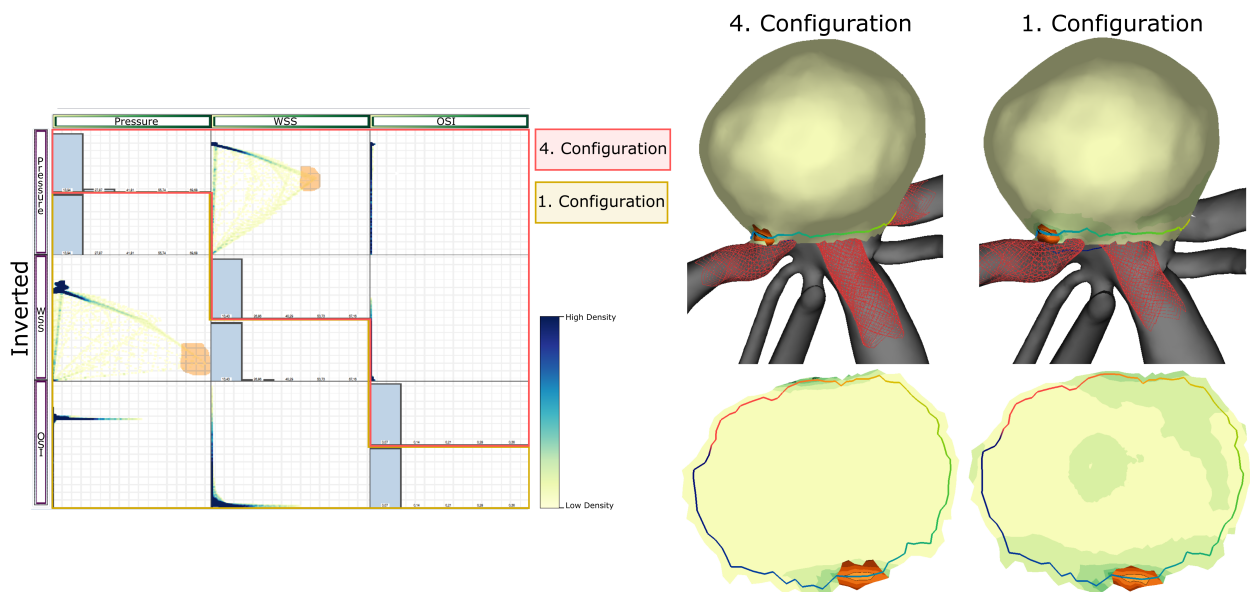


Figure 2: Exemplary results of the exploration of C16 using our tool for the comparison of configuration 1 and 4.