







Critique

many strengths

-careful and well justified design, convincing human-subjects experiment • bringing visualization best practices to medical domain

limitation

- -paper does not clearly communicate why colormap is diverging not sequential answer by email
- doctors care about extremely high and extremely low ESS (scalar) values

 high values (top of scale, dark grey): extreme blood flow patterns may relate to heart malfunctions but not imminently life threatening and don't indicate plaque locations
- -low values (bottom of scale, dark red): very diseased regions with lots of plaque, docs care a lot! -much debate from doctors on where is boundary between "normal" and "low" ESS values
- » most think below 3 Pa are indicative of disease but many argue other values in the 2-4 range. » all docs agree that values below 2 Pa are increasingly dangerous disease levels. » thus map has transition at 3 Pa for the diverging point and truly red below 2 Pa
- why continuous not segmented?
- doctors gain tremendous insight by seeing the subtle patterning of the ESS values -particularly varying values in red region - patterns help them understand disease progression and severity
 » especially useful for deciding what types of interventions to prescribe for the patient