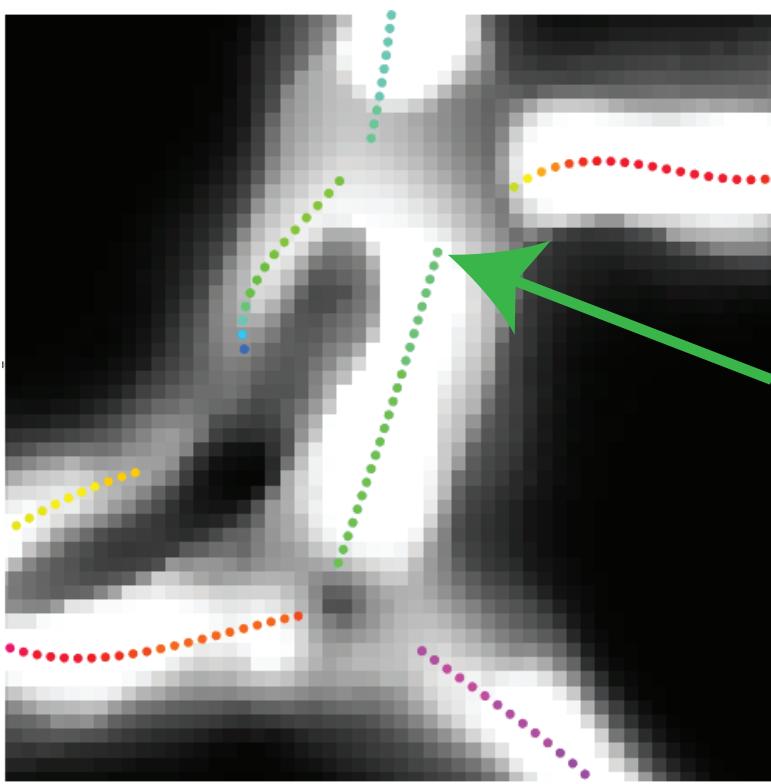


### vessel (lines)

- composed of segments, see below
- for each vessel we have:
  - location (average of segment locations)
  - diameter (average of segment diameters)
  - length (length of spline)
  - distance between end-points
  - tortuosity

### branch points

- location where vessels split up / join
- for each branch point we have:
  - location



### segment (points)

- vessels are composed of an arbitrary number of segments, this relates to how we fit a spline to the pixel-centerline
- for each segment we have
  - location
  - diameter
  - angle
  - distance to wound