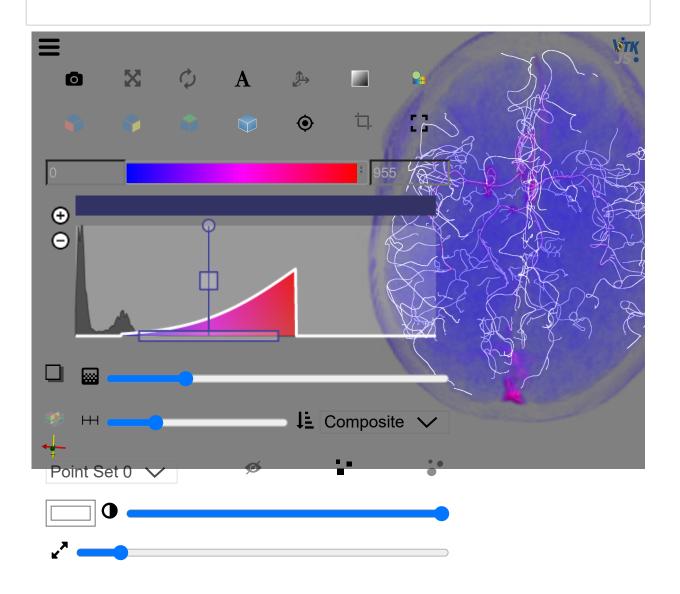
In [3]: view(image=mra, point_sets=tubes)



```
In [5]: print("Number of objects = ", tubes.GetNumberOfChildren())
        sobj = tubes.GetChildren(0, "VesselTube")
        for tube num in range(len(sobj)):
            tube = itk.down cast(sobj[tube num])
            tube points = tube.GetPoints()
            num points = len(tube points)
            print("Enlarging the", num points, "points in tube", tube num)
            for point num in range(num points):
                r = tube_points[point_num].GetRadiusInObjectSpace()
                r *= 2
                tube points[point num].SetRadiusInObjectSpace(r)
        Number of objects = 265
        Enlarging the 4330 points in tube 0
        Enlarging the 3404 points in tube 1
        Enlarging the 2776 points in tube 2
        Enlarging the 390 points in tube 3
        Enlarging the 64 points in tube 4
        Enlarging the 230 points in tube 5
        Enlarging the 1406 points in tube 6
        Enlarging the 273 points in tube 7
        Enlarging the 134 points in tube 8
        Enlarging the 250 points in tube 9
        Enlarging the 214 points in tube 10
        Enlarging the 429 points in tube 11
        Enlarging the 224 points in tube 12
        Enlarging the 141 points in tube 13
        Enlarging the 117 points in tube 14
        Enlarging the 218 points in tube 15
        Enlarging the 68 points in tube 16
        Enlarging the 213 points in tube 17
In [6]: | tubesWriter = itk.SpatialObjectWriter[Dimension].New()
        tubesWriter.SetInput(tubes)
```

```
tubesWriter.SetFileName("Data/MRI-Normals/Normal071-VascularNetwork-Enlarged.tre"
tubesWriter.Update()
```

```
In [7]: # Veryify
        tubesReader = itk.SpatialObjectReader[Dimension].New()
        tubesReader.SetFileName("Data/MRI-Normals/Normal071-VascularNetwork.tre")
        tubesReader.Update()
        tubes_org = tubesReader.GetGroup()
        tubesReader = itk.SpatialObjectReader[Dimension].New()
        tubesReader.SetFileName("Data/MRI-Normals/Normal071-VascularNetwork-Enlarged.tre"
        tubesReader.Update()
        tubes_new = tubesReader.GetGroup()
        sobj_org = tubes_org.GetChildren(0, "VesselTube")
        sobj_new = tubes_new.GetChildren(0, "VesselTube")
        tube org = itk.down cast(sobj org[0])
        tube_new = itk.down_cast(sobj_new[0])
        r_org = tube_org.GetPoints()[1].GetRadiusInObjectSpace()
        r_new = tube_new.GetPoints()[1].GetRadiusInObjectSpace()
        print("Old =", r_org, " -> New =", r_new)
```

Old = 1.277065063019514 -> New = 2.5541300773620605