



## Supplementary Information for

# Three-Dimensional Imaging and Quantitative Analysis of Blood Vessel Distribution in The Meniscus of Transgenic Mouse after Tissue Clearing

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**Table S1:** The fluorescence count in three-equal-zone division and modified division

| Mouse | RR/new RR                | RW/new RW              | WW/new WW            |
|-------|--------------------------|------------------------|----------------------|
| 1     | 1685 ± 567/ 1704 ± 556   | 1112 ± 352/ 856 ± 277  | 193 ± 50/ 429 ± 135  |
| 2     | 1702 ± 308/ 1984 ± 366   | 1468 ± 291/ 1008 ± 191 | 325 ± 97/ 502 ± 89   |
| 3     | 2462 ± 1134/ 2801 ± 1325 | 2004 ± 861/ 1380 ± 645 | 411 ± 302/ 696 ± 324 |

Data are presented as mean ± SD. RR; Red-red zone, RW; Red-white zone, and WW; White-white zone.

**Table S2:** The fluorescence count of anterior, central and posterior region of mouse meniscus

| Mouse | Anterior    | Central   | Posterior   |
|-------|-------------|-----------|-------------|
| 1     | 1518 ± 681  | 527 ± 283 | 947 ± 161   |
| 2     | 1684 ± 360  | 533 ± 163 | 1314 ± 268  |
| 3     | 2543 ± 1152 | 640 ± 140 | 1698 ± 1074 |

Data are presented as mean ± SD.

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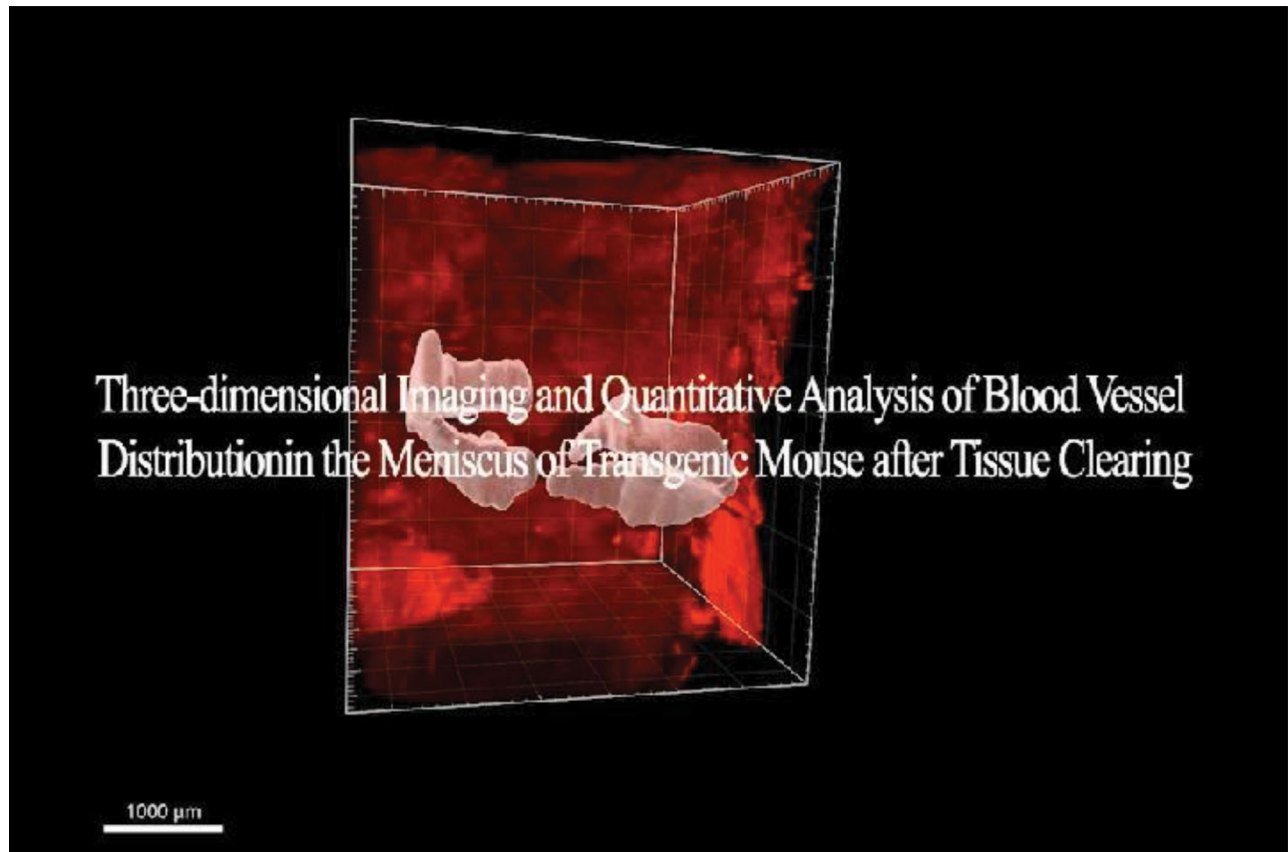


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**Table S3:** The fluorescence count of the medial and lateral meniscus

| Mouse | Medial      | Lateral    |
|-------|-------------|------------|
| 1     | 1565 ± 455  | 1424 ± 520 |
| 2     | 2477 ± 463  | 1068 ± 238 |
| 3     | 3507 ± 1959 | 1370 ± 423 |

Data are presented as mean ± SD.



**Video 1:** The meniscus vascular endothelial cells and the overall 3D contours