Supplemental Figure 4

Representative images before and after processing using the angiogenesis analyzer plugin for ImageJ by Gilles Carpentier. (A) A phase contrast image of hDLECs subjected to HMWHA treatment captured using an EVOS microscope. (B) An annotated image showing the morphological features of the tube formation assay that were quantified. Junction points that connect the “tube-like” structures were quantified as nodes and junctions (represented in (B) as blue and red circles, respectively). “Tube-like” structures that were connected to a junction at each end were quantified as segments and the ones connected to master junctions at both ends were quantified as master segments (represented in (B) as yellow lines). The closed circuit formed by segments and nodes was quantified as a mesh (represented in (B) by sky blue lines), while “tube-like” structures that were connected at only one node or junction were quantified as branches (represented in (B) as green lines).