Morphological appearances of primary human dermal microvascular EC (HDMEC) before and after treatments for 1 hour with (A) control media (upper panel), or (B) media supplemented with 10µM iron (II) citrate (lower panel). Left hand pair of 4x images captured immediately pre-treatment. Subsequent panels are images of the same wells, taken 6 hours later after respective treatments at 4x and 20x magnification. Number in right hand corner indicates well and image library number.

Low dose iron treatments induce a DNA damage response in human endothelial cells within minutes. PLOS ONE 2016