Key of terms to identify data sets and variable in data sets.

Term	Where is it used	Definition
All_immunohistochemical_measures	Data file name	Average area of endothelial and vascular smooth muscle staining from all antigens used on heart tissue.
PE_microvessel_alldays	Data file name	Measures of changes in internal diameter of arteries exposed to different concentrations of phenylephrine (PE) in the microvessels systems
ACh_microvessel_alldays	Data file name	Measures of changes in internal diameter of arteries exposed to different concentrations of acetylcholine (ACh) in the microvessels systems
	Data file name	Artery_morphometric_measures
Animal	Column name in data file	Designates the animal number
Condition	Column name in data file	Designates the condition each animal was in (a= air control and 3D = 3D printing emission exposed)
Day	Column name in data file	The number of days of exposure
Baseline diameter (μm)	Column name in ACh and PE data files	The internal diameter (µm) of a blood vessel in the microvessel chamber prior to treatment with ACh or PE
Internal diameter after preconstriction (μm)	Column name in ACh data file	The internal diameter (µm) of a blood vessel in the microvessel chamber after preconstruction with PE
%constriction from baseline at start	Column name in ACh data file	The percent constriction induced during preconstruction with PE [(internal diameter after constriction/baseline diameter] *100)
%ACh [-10 to -5.5] (log dose) or %PE [-10 to -5.5] (log dose)	Column name in ACh or PE data files respectively	The percent re-dilation after treatment with a specific dose of ACh [internal diameter after treatment with ACh/internal diameter after preconstruction*100] or percent constriction induced by treatment with a specific dose of PE [internal diameter after treatment with PE/baseline diameter] *100)

	growth factor (VEGF) and
	hypoxia-induced factor-1 (hif1)