

Box 1: Search Example

The following search query was used in PubMed searches* (January 2020):

(pitaya OR pitahaya OR “dragon fruit” OR “buah naga” OR Hylocereus OR “Selenicereus megalanthus” OR “cactus fruit” OR “cactus pear fruit” OR “cactus pear” OR “prickly pear” OR “spineless cactus” OR “Barbary fig” OR “Opuntia” OR “fig Opuntia” OR neopuntia OR nopal) AND (“blood pressure” OR “pulse pressure” OR systolic OR diastolic OR artery OR arteries OR arterial OR aorta OR aortic OR cardiac OR vessel OR vessels OR “endothelial function*” OR “vascular dysfunction” OR “vascular function*” OR “vascular stiffness*” OR “arterial stiffness*” OR “vascular reactivity” OR “blood vessel reactivity” OR arthero* OR vasodilat* OR vasodilation OR vasodilatation OR “blood vessel dilatation” OR vasoconstrict* OR “vascular endothelium dependent relaxation” OR endothelial OR endothelium OR eNOS OR “nitric oxide” OR cAMP OR cGMP OR “cyclic GMP” OR “cyclic AMP” OR cyclic-GMP OR cyclic-AMP OR “adhesion molecules” OR ICAM* OR VCAM* OR E-selectin OR phosphodiester* OR fmd OR “flow mediated dilation” OR “flow mediated dilatation” OR “Flow-mediated dilation” OR “Flow-mediated dilatation” OR ldi OR “Laser Doppler Imaging” OR pwv OR pwa OR “pulse wave” OR “arterial pressure wave” OR “peripheral arterial tone” OR “artery compliance” OR “arterial compliance” OR “small artery elasticity INDEX” OR “large artery elasticity INDEX” OR saei OR laei OR “augmentation INDEX” OR “reflective INDEX” OR “beta stiffness INDEX” OR “brain circulation*” OR “brain blood flow*” OR “cerebrovascular reactivit*” OR “cerebral blood flow*” OR “cerebrum blood flow” OR “cerebral blood circulation” OR “cerebrovascular circulation” OR “cerebral circulation*” OR “cephalic blood flow” OR “coronary artery blood flow” OR “coronary arterial flow” OR “coronary artery flow” OR “coronary blood flow” OR “coronary circulation” OR “coronary flow” OR “heart blood flow” OR “vascular resistance” OR “systemic vascular resistance” OR “peripheral resistance”)

*Search terms were adapted for the other databases.