Nutrients to Compensate for NADPH Steal & Holmes Cycle DAO Tumeric, Nettle Leaf lodine. Histidine ECGC (Green Tea) KIT GSH (Reduced Boswelia, Luteolin, Witch Hazel, Roseman Coleus, PEA, Berberine HMOX Mycotoxins SOD, Lycopene ⊤ lgE Xenobiotics Nitric Oxide Pomegranite, Garlic, Calcium Citrate, Magnesium Citrate, Hawthorne, Beets, Potassium Citrate 1-Citruline Histamine Nitric Oxide NMN, Grape Seed Skullcap, Clove, Alpha Extract, Pau D' Arco Nitric Oxide & Oxytocin Modulates NOX Iron Lipoic Acid, Vitamin A. NADPH Copper, Rhodiola NOX The "NADPH Steal" Molybdenum Sulfites Glutamate onokiol, Luteolin, PEA, Magnesium Threonat mTOR Tumeric, Resveratrol, Magnolia Bark Methyl Folate, Methy B12, TMG II -6 Stimulates NOX Stress Hawthorne, Arjuna, Black Cumin Seed Oil rsley, Danshen, Olive Angiotension 1-7 Angiotension II HMOX-1 Leaf, Hibiscus in anti inflammatory Angiotension I-7 ACE2 ACE ops. Luteolin, Panax Ginseng, Quercetin, Angiotension I Hawthorne, Arjuna, NutriGenetic Parsley, Danshen, Olive Leaf, Hibiscus The Holmes Hypothesis High Glucose RESEARCH INSTITUTE Peroxynitrite Mast Cells Toxic Environmental Factors (epigenetics) that we were not exposed to historically, with their negative effects amplified in those with genetic predispositions, causes Copyright 2020 Dopamine Testosterone over stimulation of the NOX (NADPH Oxidase) enzyme. Contributors to this map creation were: Robert Miller, CTN This results in over production of Superoxide, Peroxynitrite, Mast Cells, Matthew Miller BSc Histamine and Glutamate. The NOX Enzyme uses NADPH to produce the free radicals, resulting in what Reproductions of this map without permission of NGRI is forbidden. we have named the "NADPH Steal", resulting in less ability to have sufficient NADPH to support Phase 1 Detox, produce Nitric Oxide and recycle critical antioxidants such as Glutathione. This pathway map is for informational, educational and research purposes only. This map was not intended to provide diagnosis or treatment for any disease, and all users of this map agree to hold NGRI and the creators of this pathway map harmless for how they may use it. In turn, these free radicals produced by NOX stimulate Renin, Angiotensin I, Angiotensin II, Aldosterone, IL-6 and NOX, thus resulting in a positive feedback loop that creates a self-perpetuating vicious cycle of inflammation named the "Holmes Cycle."