

Urogenital System

- Reninsecretion
- Penile erection
- Fertilization
- Spermatogenesis, oogenesis, ovulation



Cardiovascular System

- Vasodilation
- Microvascular tone regulation
- Leukocyte adhesion
- Platelet aggregation/inhibition
- Microvascular permeability



Neurological System

- Learning
- Memory
- Neural protection
- Neuronal toxicity
- Neurotransmission
- Neuronal development
- Nociception



Excretory System

- Glomerular filtration
- Renal vasodilation
- Renal endothelial function



Vision

- Neurotransmitter within retina
- Regulation of retinal blood flow
- Visual transduction
- Effector in photoreceptors
- Muscle tone in retinal and choroidal circulation



Endocrine System

- Posterior pituitary hormones
gonadotropin hypothalamic releasing factor

Immune System

- Innate immunity
- Cytotoxic chemical
- Cellular injury protection
- Superoxide radical quenching



Respiratory System

- Bronchial dilation
- Pulmonary vascular reactivity
- Alveolar-capillary membrane permeability



Nitric Oxide
physiological,
biochemical, pathological
functions