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Nervous system	 Acts as a neurotransmitter, including in the autonomic nervous system. Increases cerebral blood flow and oxygenation to the brain. One of the important mediators in penile erection durin sexual arousal.
Lungs	 Dilates pulmonary vessels. Beneficial in Adult Respiratory Distress Syndrome, Pulmonary hypertension and Chronic Obstructive Airway Disease. Produced in abnormal amounts in inflammatory lung conditions. Concentration of NO in exhaled air is a marker of airway inflammation.
Gastrointestinal tract	•Regulates the relaxation of smooth muscles. •Controls peristalsis and the function of sphincters.
Renal system	•Due to its vasodilatory effect, increases blood flow to th kidney. •Increases the glomerular filtration rate and the production of urine.
Immune system	•Modulates T cell-mediated immune response.



