

49 Introduction Any activity in our life is under control of one of the main control systems: 1– Endocrine system: This controls the slow action by hormones. II. The parasympathetic nervous system: o This arises from the 2nd, 3rd and 4th sacral segments of the spinal cord as well as from the nuclei of some cranial nerves III, VII, IX and X cranial nerves (Cranio–sacral outflow). The regulation of blood pressure, gastrointestinal responses to food, contraction of the urinary bladder, focusing of the eyes, and thermoregulation are just a few of the many homeostatic functions regulated by the ANS. 31 segments (8 cervical, 12 thoracic, 5 lumbar, 5 sacral and 1 coccygeal). o Divided into: 3 cervical, 12 thoracic, 4 lumbar, 4 = sacral. – Inferior mesenteric ganglion.????