

CURRICULUM / CONTENT

Understanding the Autonomic Nervous System and Its Scientific Osteopathic Approach

1. Organization

2. General Functions of the Autonomic Nervous System (ANS)

2.1. The General Functions of the Sympathetic System and the Adrenal Glands are (Fight and Flight Response)

2.2. The General Functions of the Parasympathetic System are

3. Autonomic Innervation of the Different Body Structures

3.1. Autonomic Innervation of the Brain

3.2. Autonomic Innervation of the Salivary Glands

3.3. Autonomic Innervation and Thermoregulation

3.4. Autonomic Innervation of the Heart

3.4.1. General

3.4.2. Coordination

3.4.3. Nuclei

3.4.4. Cardiovascular Reflexes

3.5. Autonomic Innervation of the Adrenals

3.6. Autonomic Innervation of the Blood Vessels

3.7. Autonomic Innervation of the Thymus

3.8. Autonomic Innervation of the Airways

3.9. Autonomic Innervation of the Thyroid Gland

3.10. Autonomic Innervation of the Small and Large Intestines

3.11. Autonomic Innervation of the Liver

3.12. Autonomic Innervation of the Spleen

3.13. Autonomic Innervation of the Lymph System

3.14. Autonomic Innervation of the Kidneys

3.15. Autonomic Innervation of the Skin

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3.17. Autonomic Innervation of the Uterus

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3.20. Autonomic Innervation of the Bones

3.21. Autonomic Innervation of the Fascia

3.22. Influence of Estrogen on the Autonomic Nervous System

3.23. Puberal Hormonal Changes and the Autonomic Nervous System

3.24. Obesity and the Autonomic Nervous System

4. Autonomic Neuropathies (Dysautonomia)

- 4.1. *Common Symptoms of Autonomic Neuropathies*
- 4.2. *Acute Autonomic Neuropathy*
- 4.3. *Paroxysmal Sympathetic Hyperactivity (PSH) (Sympathetic Storm)*
- 4.4. *Neurocardiogenic Syncope*
- 4.5. *Multiple System Atrophy*
- 4.6. *Autonomic Dysreflexia*
- 4.7. *Riley-Day Syndrome (Familial Dysautonomia)*
- 4.8. *Shy-Drager Syndrome*
- 4.9. *Congenital Central Hypoventilation Syndrome*
- 4.10. *Sudden Infant Death Syndrome*
- 4.11. *Genetic Disorders*
- 4.12. *Postural Orthostatic Tachycardia Syndrome (POTS)*
- 4.13. *Holmes-Adie Syndrome*
- 4.14. *Postprandial Hypotension*
- 4.15. *Afferent Baroreflex Failure*
- 4.16. *The Harlequin Syndrome*
- 4.17. *The Cushing Reflex*
- 4.18. *Valsalva Maneuver*
- 4.19. *Spinal Lesions*
- 4.20. *Severe Alcohol Withdrawal*
- 4.21. *Viscerosomatic Reflex and Pain*
- 4.22. *Spinal Manipulation*
- 4.23. *Cardiac Disease*
- 4.24. *Primary Autonomic Dysfunction*
- 4.25. *Heart Rate Variability (HRV)*

Bibliography

Acknowledgment