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Nota di contenuto	Front Cover; Trigemino-cardiac Reflex; Copyright Page; Contents; List of Contributors; 1 History of the Trigemino-cardiac Reflex: An Odyssey; Conclusion; References; 2 The Trigeminal Nerve: Anatomical Pathways. Trigemino-cardiac Reflex Trigger Points; Introduction; Anatomy of the Trigeminal Nerve; Macroscopic Anatomy; Dural Relationships of Meckel's Cave; Gasserian Ganglion; Ophthalmic Nerve (V1); The Maxillary Nerve (V2); The Mandibular Nerve (V3); Innervation of Cranial Dura Mater; Supratentorial Dura Mater; Innervation of the Posterior Cranial Fossa Dura Mater Innervation of the Tentorium Cerebri, Falx Cerebri and Major Dural Sinuses Trigeminal Innervation of Major Intracranial Vessels; Brain Stem Pathways for the TCR; General Concepts Behind the TCR Brain Stem Circuitry and the Involved Nuclei Complexes; Anatomical Circuitry Difference Between the Peripheral and Central TCRs; Topographical Anatomy of the Trigeminal Nerve Branches and the Occurrence of the TCR; Central TCR; Trigeminal Nerve in the Posterior Fossa; Microvascular Trigeminal Decompression (Jannetta Procedure); Percutaneous Procedures for the Treatment of Trigeminal Neuralgia The TCR in General Skull Base Procedures, Including Interventions Around the Falx and Tentorium Cerebelli Trigemino-vascular Innervation and Neurovascular Surgery; Supratentorial Neurosurgical Interventions; Peripheral Branches of the Trigeminal Nerve and the TCR;

Transsphenoidal Surgery; Oculocardiac Reflex; The TCR in Craniofacial Surgery: the MCR; The TCR and Skin Sensory Branches of the Trigeminal Nerve; Difference in the Incidence of the TCR During Neurosurgical Interventions: Anatomical Perspective. TCR Trigger Points; Possible Trigger Points; Cavernous Sinus Plexus
Orbital and Periorbital StructuresFalx and Tentorium; Conclusion;
References; 3 The Trigeminal Nerve and the Autonomous Nerve System: Physiological Considerations; Introduction; Correlation Between the Trigeminal Nerve and the Sympathetic and Parasympathetic Nervous Systems; Central Mechanisms of Trigeminal Integration; Trigeminal Reflexes Mediated by the ANS; Cerebral Hemodynamic Changes; Conclusion; References; 4 The Trigeminal Nerve and the Heart; Introduction; Trigemino-cardiac Reflex; Diving Reflex; Nasopharyngeal Reflex
Role of Sympathetic-Parasympathetic Interaction in Trigemino-vagal ReflexesCardiac Responses to Trigeminal Reflexes; conclusion;
References; 5 Trigemino-cardiac Reflex: Definition and Introduction; Introduction; TCR: A Unique Clinical Entity; Definition of the TCR; Cause-Effect Relationship; The Traditional Classification: TCRs Centrally and Peripherally Located with Respect to the Gasserian Ganglion; Extended Classification: Toward a Comprehensive Understanding of the TCR; The Role of HR in the Context of Classification; The Role of Blood Pressure in the Context of Classification
Chronic Versus Acute TCR

Sommario/riassunto

Trigemino-cardiac Reflex is a comprehensive tutorial reference to the science, diagnosis, and possible treatment of the trigemino-cardiac reflex (TCR) that is usually initiated when the trigeminal nerve is disturbed during intracranial surgery. Since first reported in 1999 by co-Editor Bernhard Schaller, the research focused on TCR is expanding. While its instance is rare, new discoveries are not only increasing diagnosis, but also providing more effective treatment protocols. This text is ideal as a reference for clinical and research neurologists, as a general introduction for clinical presen
