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Nota di contenuto	Section I Hypothalamic -- Pituitary Function -- ; 1. Pituitary development / Jacques Drouin -- ; 2. Hypothalamic regulation of anterior pituitary function / Anat Ben-Shlomo and Shlomo Melmed -- ; 3. Adrenocorticotrophin / Carmen L. Soto-Rivera and Joseph A. Majzoub -- ; 4. Growth hormone / Vivien S. Bonert and Shlomo Melmed -- ; 5. Prolactin / Nadine Binart -- ; 6. Thyroid-stimulating hormone / Virginia D. Sarapura and Mary H. Samuel -- ; 7. Gonadotrophin hormones / Ursula B. Kaiser -- ; 8. The posterior pituitary / Daniel G. Bichet -- Section II Hypothalamic-Pituitary Disorders -- ; 9. The hypothalamus / Andrea Giustina, Stefano Frara, Alfio Spina and Pietro Mortini -- ; 10. Anterior pituitary failure / John D. Carmichael -- ; 11. Pituitary dysfunction in systemic disorders / Maria Fleseriu -- ; 12. Drugs and pituitary function / Maria Fleseriu -- ; 13. The pituitary

gland in pregnancy / Andrea Glezer and Marcello D. Bronstein -- ; 14. Psychiatric disease in hypothalamic-pituitary disorders / Caroline Sievers and Gunter K. Stalla -- Section III Pituitary Tumors -- ; 15. Acromegaly / Shlomo Melmed -- ; 16. Prolactinoma / Phillippe Chanson and Dominique Maiter -- ; 17. Cushing disease / John D.C Newell-Rice -- ; 18. Thyrotrophin-secreting pituitary tumors / Yona Greenman -- ; 19. Nonfunctioning and gonadotrophin-secreting adenomas -- ; 20. Atypical pituitary adenomas / Daniel A. Donoho and Gabriel Zada -- ; 21. Genetics of pituitary tumor syndromes / Adrian F. Daly and Albert Beckers -- ; 22. Nonpituitary sellar masses / Luis V. Syro, Fabio Rotondo, Olga Moshkin and Kalman Kovacs -- Section IV Pituitary Procedures -- ; 23. Pituitary imaging / Marcel Maya and Barry D. Pressman -- ; 24. Pituitary surgery / Rudolf Fahlbusch and Michael Buchfelder.

Sommario/riassunto

The Pituitary, Fourth Edition, continues the tradition of a cogent blend of basic science and clinical medicine which has been the successful hallmark of prior editions. This comprehensive text is devoted to the pathogenesis, diagnosis, and treatment of pituitary disorders. The new edition has been extensively revised to reflect new knowledge derived from advances in molecular and cell biology, biochemistry, diagnostics, and therapeutics as they apply to the pituitary gland. The wide spectrum of clinical disorders emanating from dysfunction of the master gland is described in detail by experts in the field. Fundamental mechanisms underlying disease pathogenesis are presented to provide the reader with an in-depth understanding of mechanisms subserving both normal and disordered pituitary hormone secretion and action. This extensive body of knowledge is useful for students, trainees, physicians, and scientists who need to understand critical pituitary functions and how to care for patients with pituitary disorders. Chapters provide medical students, clinical and basic endocrinology trainees, endocrinologists, internists, pediatricians, gynecologists, and neurosurgeons with a comprehensive, yet integrated, text devoted to the science and art of pituitary medicine. Brings together pituitary experts from all areas of research and practice who take readers all the way from bench research, to genomic and proteomic analysis, clinical analysis, and new therapeutic approaches to pituitary disorders Saves researchers and clinicians time in quickly accessing the very latest details on a broad range of issues related to normal and diseased pituitary function Provides a common language for endocrinologists, neurosurgeons, OB/GYNs, and endocrine researchers to discuss how the pituitary gland and hormones affect each major organ system.
