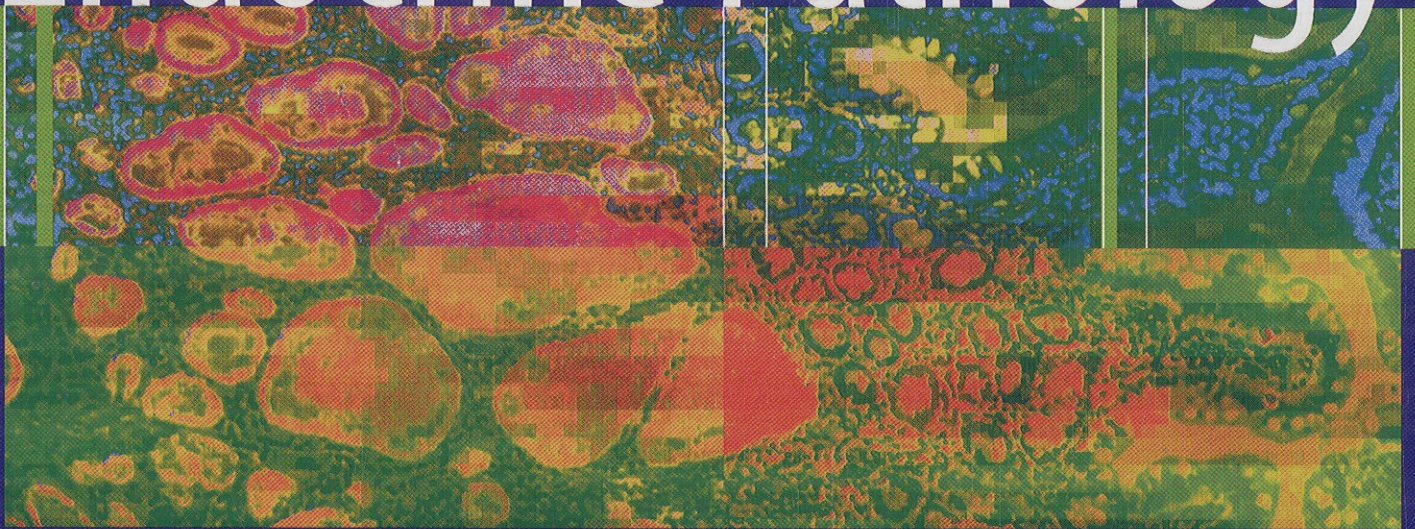


Ricardo V. Lloyd *Editor*

# Endocrine Pathology



Differential Diagnosis and Molecular Advances  
Second Edition

 Springer



# Contents

<b>1</b>	<b>Methods in Cellular and Molecular Pathology</b> .....	1
	Paul Komminoth, Axel Walch, Martin Werner, and Aurel A. Perren	
<b>2</b>	<b>Hypothalamus and Neurohypophysis</b> .....	45
	Kazuhiro Takahashi, Osamu Murakami, and Toraichi Mouri	
<b>3</b>	<b>Tumors in the Adenohypophysis</b> .....	73
	Fateme Salehi, Sergio Vidal, Eva Horvath, Kalman Kovacs, and Bernd W. Scheithauer	
<b>4</b>	<b>Recent Developments in Molecular Embryogenesis and Molecular Biology of the Pituitary</b> .....	91
	Robert Y. Osamura and Noboru Egashira	
<b>5</b>	<b>Recent Developments in the Molecular Biology of Pituitary Tumors</b> .....	103
	Ricardo V. Lloyd	
<b>6</b>	<b>The Pineal Gland</b> .....	115
	Katherine M. Lindstrom and M. Beatriz S. Lopes	
<b>7</b>	<b>The Parathyroid</b> .....	131
	H. Rubén Harach	
<b>8</b>	<b>Recent Developments in the Molecular Biology of the Parathyroid</b> .....	157
	Vânia Nosé and Ashraf Khan	
<b>9</b>	<b>Pathology of Thyroid Gland</b> .....	181
	Ashraf Khan and Vânia Nosé	
<b>10</b>	<b>Recent Developments in the Molecular Biology of the Thyroid</b> .....	237
	Yuri E. Nikiforov	
<b>11</b>	<b>Adrenal Cortex</b> .....	261
	Hironobu Sasano, Yasuhiro Nakamura, Takuya Moriya, and Takashi Suzuki	
<b>12</b>	<b>Adrenal Medulla and Paraganglia</b> .....	281
	Anne Marie McNicol	
<b>13</b>	<b>Molecular Biology of Pheochromocytomas and Paragangliomas</b> .....	297
	Elizabeth E. King and Patricia L.M. Dahia	

<b>14</b>	<b>Endocrine Ovaries</b> .....	307
	Xavier Matias-Guiu	
<b>15</b>	<b>Endocrine Testis</b> .....	333
	Robert E. Emerson, Liang Cheng, and Thomas M. Ulbright	
<b>16</b>	<b>Endocrine Tumors of the Gastrointestinal System</b> .....	351
	Guido Rindi, Silvia Pizzi, Tiziana D'Adda, and Cesare Bordi	
<b>17</b>	<b>The Endocrine Pancreas</b> .....	367
	Stefano La Rosa, Daniela Furlan, Fausto Sessa, and Carlo Capella	
<b>18</b>	<b>Neuroendocrine Differentiation Patterns in Various Organs (Including Lung, Breast, Skin and Urogenital Tract)</b> .....	415
	Marco Volante, Anna Sapino, Mauro Papotti, Donatella Pacchioni, and Gianni Bussolati	
<b>19</b>	<b>Endocrine Lung</b> .....	429
	William D. Travis	
<b>20</b>	<b>Cutaneous Neuroendocrine Tumors</b> .....	447
	Lori A. Erickson	
<b>21</b>	<b>Neuroendocrine Carcinomas of the Thymus</b> .....	453
	Cesar A. Moran and Saul Suster	
<b>22</b>	<b>Endocrine Placenta</b> .....	459
	Raymond W. Redline	
<b>23</b>	<b>Fine Needle Aspiration Cytology of Endocrine Glands</b> .....	473
	Ema A. Dragoescu and Celeste N. Powers	
<b>24</b>	<b>Multiple Endocrine Neoplasia Syndrome</b> .....	493
	Kennichi Kakudo, Yasuhiro Ito, and Masahide Takahashi	
<b>25</b>	<b>Polyglandular Autoimmune Diseases</b> .....	523
	Ricardo V. Lloyd	
<b>26</b>	<b>Biochemical Testing for Neuroendocrine Tumors</b> .....	527
	Aaron I. Vinik and Maria P. Silva	
<b>27</b>	<b>Surgical Management of Endocrine Disorders</b> .....	545
	Joseph B. Lillegard, Travis J. McKenzie, and Geoffrey B. Thompson	
<b>28</b>	<b>Medical Treatment of Neuroendocrine Tumors</b> .....	561
	Timothy J. Hobday	
<b>29</b>	<b>Radiation Treatment of Endocrine Tumors</b> .....	567
	Sunil Krishnan, Deepa Suresh, and Robert L. Foote	
<b>30</b>	<b>Future Directions in Endocrine Pathology</b> .....	581
	Ricardo V. Lloyd	
	<b>Index</b> .....	587