

30. Galetsky SA, Tvetnov VV, Land CE, Afanasieva TA, Petrovichev NN, Gurtsevitch VE, *et al.* Epstein-Barr virus associated gastric cancer in Russia. *Int J Cancer* 1997;73(6):786–9.
31. Satoh Y, Takasaka N, Hoshikawa Y, Osaki M, Ohfuji S, Ito H, *et al.* Pretreatment with restriction enzyme or bovine serum albumin for effective PCR amplification of Epstein-Barr virus DNA in DNA extracted from paraffin-embedded gastric carcinoma tissue. *J Clin Microbiol* 1998;36(11):3423–5.
32. Papat SR, Gunnar Liavaag P, Morton R, McIvor N, Irish JC, Freeman JL. Epstein-Barr virus genome in nasopharyngeal carcinomas from New Zealand. *Head Neck* 2000;22(5):505–8.
33. Tsai S-T, Jin Y-T, Mann RB, Ambinder RF. Epstein-Barr virus detection in nasopharyngeal tissues of patients with suspect nasopharyngeal carcinoma. *Cancer* 1998;82:1449–53.
34. Vera Sempere F, Burgos J, Botella MS, Morera C. Comparative analysis of Epstein-Barr virus (EBV) detection by nested PCR and non-isotopic in situ hybridization in nasopharyngeal carcinoma (NPC). *Clin Chim Acta* 1998;271(2):119–32.
35. Zhou L, Miyagi Y, Hiroshi E, Tanaka Y, Aoki I, Tsukuda M. Evaluation of Epstein-Barr virus infection in hypopharyngeal carcinomas from 37 Japanese patients. *Mod Pathol* 1998; 11(6):509–12.
36. Uhara H, Sato Y, Mukair K, Akao L, Matsuno Y, Furuya S, *et al.* Detection of Epstein-Barr virus DNA in Reed-Sternberg cells of Hodgkin's disease using the polymerase chain reaction and in situ hybridization. *Jpn J Cancer Res* 1990;81(3): 272–8.
37. Weiss LM, Chen YY, Liu XF, Shibata D. Epstein-Barr virus and Hodgkin's disease: a correlative in situ hybridization and polymerase chain reaction study. *Am J Pathol* 1991; 139(6):1259–65.
38. Yang W-I, Cho M-S, Tomita Y, Ohsawa M, Aozasa K. Epstein-Barr virus and gastrointestinal lymphomas in Korea. *Yonsei Med J* 1998;39(3):268–76.
39. Baer R, Bankier AT, Biggin MD, Deininger PL, Farrell PJ, Gibson TJ, *et al.* DNA sequence and expression of the B95–8 Epstein-Barr virus genome. *Nature* 1984;310:207–11.
40. Jones MD, Griffin BE. Clustered repeat sequences in the genome of Epstein-Barr virus. *Nucleic Acids Res* 1983;11: 3919–37.

Book Review

LiVolsi VA, Asa SL: *Endocrine Pathology*, 640 pp, London, Churchill Livingstone, 2002 (\$150.00).

Endocrine Pathology is edited by the two best-known contemporary endocrine pathologists, Drs. V.A. LiVolsi and S.L. Asa with 21 other expert contributors for each organ pathology. There are 14 chapters, including organ pathology of pituitary, thyroid, parathyroid, adrenal cortex and medulla, endocrine pancreas, and GI tract. Additional chapters include laboratory medicine, dispersed neuroendocrine cells, neuroendocrine lung, Merkel cell carcinoma, neuroendocrine tumors of ovary and testis, and placenta. There are several books already published on the same subject, but the current book is unique and shines in covering embryogenesis, microscopic anatomy, physiology, endocrine cells in non-endocrine diseases, and, most importantly, endocrine tumors. Endocrine tumors are covered in-depth, including histopathology, differential diagnosis, immunohistochemistry, assessment of malignancy, and treatment. For the several

chapters, molecular biology and genetics are added. Among the 14 chapters, several chapters are of exceptionally high quality, including pituitary gland, adrenal medulla, endocrine pancreas, gastrointestinal tract, neuroendocrine lung, and Merkel cell carcinoma. This book is not only useful for anatomic pathologists but provides in-depth understanding of endocrine tumors beyond diagnostic histopathology. In addition, this book provides practicing pathologists with extra-mileage of knowledge so that we are able to learn as quickly as possible by surveying the book. This book is well edited, in general, and is easy to read and contains numerous good color pictures of both gross and immunohistochemical microscopy. In summary, this book's strength is the most concise description of histopathology, immunohistochemistry, treatment, genetics, and molecular biology.

Tatsuo Tomita
Texas Tech Medical Center
El Paso, Texas