

Literature

- Bach G. (1963) Gründung einer internationalen Gesellschaft für Stereologie. *Z wiss Mikroskop* 65: 190-195.
- Baddeley AJ, Gundersen HJG, Cruz-Orive LM. (1986) Estimation of surface area from vertical sections. *J Microsc* 142: 259-276.
- Baggenstoss AH, Summerskill WHJ, Ammon HV. (1974) The morphology of chronic hepatitis. In: *The Liver and its Diseases* (Schaffner F *et al.*, ed), Intercontinental Medical Book Corp., N. Y., pp.199-206.
- Beck J, Nordin B. (1960) Histological assessment of osteoporosis by iliac crest biopsy. *J Path Bact* 80: 391-410.
- Beck JSP, Berg BN. (1931) The circulatory pattern in the islands of Langerhans. *Am J Pathol* 7: 31-35.
- Cameron RB, Macintosh JK, Rosenberg SA. (1988) Synergistic antitumor effects of combination immunotherapy with recombinant interleukin-2 and a recombinant hybrid α -interferon in the treatment of established murine hepatic metastases. *Cancer Res* 48: 5810-5817.
- Chiba R, Takahashi T. (1994a) Quantitative morphology of human cirrhotic livers. Part I: Parameter expression of pattern as a basis for computerized classification. *Pathol Internat* 44: 662-671.
- Chiba R, Takahashi T. (1994b) Quantitative morphology of human cirrhotic livers. Part II: The statistically adequate morphological classification of liver cirrhosis. Multivariate analysis from quantified data of form. *Pathol Internat* 44: 672-681.
- Capowski JJ. (1977) Computer-aided reconstruction of neuron trees from several serial sections. *Computer and Biomed Res* 10: 617-629.
- DeHoff RT. (1968) Curvature and the topological properties of interconnected phases. In: *Quantitative Microscopy* (DeHoff RT, Rhines FN, ed), McGraw-Hill, New York, pp. 291-325.
- DeHoff RT, Aigeltinger EH. (1970) Experimental quantitative microscopy with special applications to sintering. In: *Perspectives in Powder Metallurgy* (Hirschhorn JS *et al.* ed), Vo. 5, Prenum Press, N. Y., pp. 81-137.
- DeHoff RT, Aigeltinger EH, Craig KR. (1972) Experimental determination of the topological properties of three-dimensional microstructures. *J Microsc* 95: 69-91.
- DeHoff RT. (1982) Quantitative serial sectioning analysis: preview. *J Microsc* 131: 259-263.
- Ebina M, Yaegashi H, Takahashi T, Motomiya M, Tanemura M. (1990a) Distribution of smooth muscles along the bronchial tree. *Am Rev Respir Dis* 141: 1322-1326.
- Ebina M, Yaegashi H, Chiba R, Takahashi T, Motomiya M, Tanemura M. (1990b) Hyperreactive site in the airway tree of asthmatic patients revealed by thickening of bronchial muscles. *Am Rev Respir Dis* 141: 1327-1332.
- Ebina M, Takahashi T, Chiba T, Motomiya M. (1993) Cellular hypertrophy and hyperplasia of airway smooth muscles underlying bronchial asthma. *Am Rev Respir Dis* 148: 720-726.

- Elias H. (1949) A re-examination of the structure of the mammalian liver. I. Parenchymal architecture. *Am J Anat* 84: 311-334.
- Endoh M, Chiba R, Takahashi T. (1997) Two-D distance distribution analysis: An application to HBcAg-positive hepatocytes and its relation to septum formation in cirrhosis. *Tohoku J Exp Med* 182: 181-184.
- Fauerholdt L, Schlichting P, Christensen E *et al.* (1983) Conversion of micronodular cirrhosis into macronodular cirrhosis. *Hepatology* 3: 928-931.
- Furukawa T, Takahashi T, Kobari M, Matsuno S. (1992) The mucus-hypersecreting tumor of the pancreas: development and extension visualized by three-dimensional computerized mapping. *Cancer* 70: 1505-1513.
- Furukawa T, Chiba R, Kobari M, Matsuno S, Nagura H, Takahashi T. (1994) Varying grades of epithelial atypia in the pancreatic ducts of humans. *Arch Pathol Lab Med* 118: 227-234.
- Furuyama M. (1962) Histometrical investigation of arteries in reference to arterial hypertension. *Tohoku J exp Med* 76: 388-414.
- Gall EA. (1960) Posthepatitic, postnecrotic and nutritional cirrhosis. *Am J Pathol* 36: 241-271.
- Grundmann E. (1975) Histologic types and possible initial stages in early gastric carcinoma. *Beitr Pathol* 154: 256-280.
- Gundersen HJG, Jensen EB. (1985) Stereological estimation of the volume-weighted mean volume of arbitrary particles observed on random sections. *J Microsc* 138: 127-142.
- Gundersen HJG. (1986) Stereology of arbitrary particles. *J Microsc* 143: 3-45.
- Gundersen HJG, Bendtsen TF, Korbo L, Marcussen N, Moller A, Nielsen K, Nyengaard JR, Pakkenberg B, Sorensen FB, Vesterby A, West MJ. (1988) Some new, simple and efficient stereological methods and their use in pathological research and diagnosis. *APMIS* 96: 379-394.
- Heath D, Edwards JE. (1958) The pathology of hypertensive pulmonary vascular disease. A description of six grades of structural changes in the pulmonary arteries with special reference to congenital cardiac septal defects. *Circulation* 18: 533-547.
- Hedlung LR, Gallagher JC. (1988) Vertebral morphometry in diagnosis of spinal fractures. *Bone and Mineral* 5: 59-67.
- Hennig A. (1956) Bestimmung der Oberfläche beliebig geformter Körper mit besonderer Anwendung auf Körperchen der menschlichen Bereich. *Mikroskopie*, 11: 1-20.
- Hogg JG, Macklem T, Thurlbeck WM. (1968) Site and nature of airway obstruction in chronic obstructive lung. *N Engl J Med* 278: 1355-1360.
- Hossain S. (1973) Quantitative measurement of bronchial muscle in men with asthma. *Am Rev Respir Dis* 107: 99-109.
- Hsu HC, Su IJ, Lai MY *et al.* (1987) Biologic and prognostic significance of hepatocyte hepatitis B core antigen expression in the natural course of chronic hepatitis B virus infection. *J Hepatol* 5: 45-50.
- Japanese Society for Cancer of the Colon and Rectum. (1997) Japanese classification of colorectal carcinoma (1st English edition). Kanehara, Tokyo.
- Japanese Research Society for Gastric Cancer. (1974) The general rules for the gastric cancer study in surgery and pathology. 9th ed., Kanehara, Tokyo.
- Kaiho T, Masuda T, Sasano N, Takahashi T. (1986) The size and number of Langerhans islets correlated with their endocrine function: A morphometry on immunostained serial sections of adult human pancreas. *Tohoku J Exp Med* 149: 1-10.
- Kasai M, Kimura S, Asakura Y, Suzuki H, Taira Y, Ohashi E. (1968) Surgical treatment of

- biliary atresia. *J Pediat Surg* 3: 665-675.
- Kitaoka H, Takaki R, Suki B. (1999) A three-dimensional model of the human airway tree. *J Appl Physiol* 87: 2207-2217.
- Klöppel G, Bommer G, Rückert K, Seifert G. (1980) Intraductal proliferation in the pancreas and its relationship to human and experimental carcinogenesis. *Virchows Arch A Pathol Anat Histopathol* 387: 221-233.
- Langer JC, Langer B, Taylor BR, Zeldin R, Cummings B. (1985) Carcinoma of extrahepatic bile ducts: Results of an aggressive surgical approach. *Surgery* 98:752-758.
- Lewis FT. (1923) The typical shape of polyhedral cells in vegetable parenchyma and the restoration of that shape following cell division. *Proc Am Acad Arts Sci* 58: 537-552.
- Lewis FT. (1933) The significance of cells revealed by their polyhedral shapes, with special reference to precartilage, and a surmise concerning nerve cells and neuroglia. *Proc. Am. Acad. Arts Sci* 68: 251-284.
- Like AA, Orci L.(1972) Embryogenesis of the human pancreatic islets: a light and electron microscopic study. *Diabetes* 21(suppl): 511-534.
- Linzbach J. (1958) Die Bedeutung der Gefäßwandfaktoren für die Entstehung der Arteriosklerose. *Verh Dtsch Ges Pathol* 41: 24-41.
- Luis M, Cruz-Orive LM, Howard V. (1990) Estimating the length of a bounded curve in three dimensions using total vertical projections. *J Microsc* 163: 101-113.
- Matsuki K, Takahashi T, Mouri T. (1994) The number and density of hypertensive vascular lesions of lung in advanced pulmonary hypertension. A computer-aided 3-D morphometry in autopsy lung specimens of five patients with congenital cardiac anomaly. *J Jpn Assn Thorac Surg* 42: 346-353. (Japanese with English summary)
- Miura H, Ohi R, Tseng SW, Chiba R, Takahashi T. (1995) Quantitative morphology of Auerbach's plexus with special reference to the transitional zone in the colon of patients with Hirschsprung's disease. *Pathol Clin Med* 13: 1447-1454. (Japanese with English summary)
- Miura H, Ohi R, Tseng SW, Takahashi T. (1996) The structure of the transitional and aganglionic zones of Auerbach's plexus in patients with Hirschsprung's disease: a computer-assisted three-dimensional reconstruction study. *J Pediat Surg* 31: 420-426.
- Miyake H. (1960) Pathology of the liver. *Tr Soc Path Jap* 49: 589-632. (Japanese)
- Mori M, Chiba R, Takahashi T. (1993) Atypical adenomatous hyperplasia of the lung and its differentiation from adenocarcinoma: characterization of atypical cells by morphometry and multivariate cluster analysis. *Cancer* 72: 2331-2340.
- Mori M, Tezuka F, Chiba R, Funae Y, Watanabe M, Nukiwa T, Takahashi T. (1996a) Atypical adenomatous hyperplasia and adenocarcinoma of the human lung. *Cancer* 77: 665-674.
- Mori M, Chiba R, Tezuka F, Kaji M, Kokubo T, Nukiwa T, Takahashi T. (1996b) Papillary adenoma of type II pneumocytes might have malignant potential *Virchows Arch* 428: 195-200.
- Morson BC, Sobin LH, Grundmann E, et al. (1980) Precancerous conditions and epithelial dysplasia in the stomach. *J Clin Pathol* 33: 711-721.
- Nadel JA. (1980) Autonomic regulation of airway smooth muscle. In: *Physiology and pharmacology of airways* (ed. Lenfant C), Vol 15, Lung biology in health and disease. Marcel Dekker, N.Y., pp. 217.
- Nagayo M. (1914) Referat über Leberzirrhose (Pathologisch-anatomischer Teil). *Verh Jap Path Ges* 4: 3-72.

- Nagayo T. (1966) Atypical epithelial growth in the gastric mucosa. *Jpn J Cancer Clinics* 12: 400-405. (Japanese)
- Nakamura M, Chiba R, Ohi R, Tezuka F, Hayashi T, Takahashi T. (1996) Computer-assisted classification of hepatocellular carcinoma based on quantitative analysis of cellular and structural atypia. *Pathol and Clin Med* 14: 369-377. (Japanese with English summary)
- Nakamura Y, Takahashi T. (1996) A re-examination of the acinar concept of the liver based on a 3-D structural analysis of zonal necrosis in two autopsy cases of acute cresol intoxication. *Pathol and Clin Med* 14: 93-98. (Japanese with English summary)
- Nakamura Y, Takahashi T. (1998) A computer-aided 3-D geometry of acute and chronic zonal necrosis: Three-D tangent counting applied in an attempt to re-examine the structure of the human liver. *Tohoku J Exp Med* 184: 207-227.
- Nakanishi K. (1990) Alveolar epithelial hyperplasia and adenocarcinoma of the lung. *Arch Pathol Lab Med* 114: 363-368.
- Nio M, Takahashi T, Ohi R. (1987) Changes of intrahepatic portal veins in biliary atresia: Formation and development of medial smooth muscles correlated with portal hypertension. *Proceedings of the 4th International Symposium on Biliary Atresia* (Ohi R, ed.), Professional Postgraduate Services, Tokyo, 1987, pp. 243-250.
- Oguma S, Zerbe T, Banner B, Belle S, Starzl TE, Demetris AJ. (1989) Chronic liver allograft rejection and obliterative arteriopathy: possible pathogenic mechanisms. *Transplant Proc* 21: 2203-2207.
- Oh-i R, Kasai M, Takahashi T. (1969) Intrahepatic biliary obstruction in congenital bile duct atresia. *Tohoku J exp Med* 99: 129-149.
- Ohuchi N, Abe R, Takahashi T, Tezuka F. (1984a) Origin and extension of intraductal papillomas of the breast: A three-dimensional reconstruction study. *Breast Cancer Res Treat* 4: 117-128.
- Ohuchi N, Abe R, Kasai M. (1984b) Possible cancerous change of intraductal papillomas of the breast. A 3-D reconstruction study of 25 cases. *Cancer* 54: 605-611.
- Ohuchi N, Abe R, Takahashi T, Tezuka F, Kyogoku M. (1985) Three-dimensional atypical structure in intraductal carcinoma differentiating from papilloma and papillomatosis of the breast. *Breast Cancer Res Treat* 5: 57-65.
- Okuyama K, Yaginuma G, Takahashi T, Sasaki H, Mori S. (1988a) The development of vasa vasorum of the human aorta in various conditions. *Arch Pathol Lab Med* 112: 721-725.
- Okuyama K, Yaegashi H, Takahashi T, Sasaki H, Mori S. (1988b) The three-dimensional architecture of vasa vasorum in the wall of the human aorta. *Arch Pathol Lab Med* 112: 726-730.
- Ota K. (1964) Development of gastric cancer. *Trans Soc Jap Pathol* 53: 3-14. (Japanese)
- Popper H, Elias H. (1955) Histogenesis of hepatic cirrhosis studied by the three-dimensional approach. *Am J Pathol* 31: 405-441.
- Pour PM, Sayed S, Sayed G. (1982) Hyperplastic, preneoplastic and neoplastic lesions found in 83 human pancreases. *Am J Clin Pathol* 77: 137-152.
- Rappaport AM, Borowy ZJ, Lougheed WM, Lotto WN. (1954) Subdivision of hexagonal liver lobules into a structural and functional unit. *Anat Rec* 119: 11-34.
- Rappaport AM. (1963) Acinar units and the pathophysiology of the liver. In: *The liver* (Ch. Rouiller, ed), Vol. I, Academic Press, pp. 265-328.
- Saito K, Iwama N, Takahashi T. (1978a) Morphometrical analysis on topographical difference in size distribution, number and volume of islets in the human pancreas. *Tohoku J Exp*

- Med 124: 177-186.
- Saito K, Takahashi T, Yaginuma N, Iwama N. (1978b) Islet morphometry in the diabetic pancreas of man. *Tohoku J Exp Med* 125: 185-197.
- Saltykov SA. (1958) Stereometric metallography. 2nd ed., Metallurgizdat, Moskow.
- Sakakura T. et al. (1976) Mesenchyme-dependent morphogenesis and epithelium-specific cytoidifferentiation in mouse mammary gland. *Science* 194: 1439-1441.
- Sasaki K, Takahashi T, Satomi S. Parameter expression of papillary and tubular tumors. Its application to intraductal tumors of the breast. To be submitted to *Anal Quant Cytol Histol*.
- Sawai T, Fujiyama J, Takahashi M, Takahashi T. (1994) The site of elevated vascular resistance in early paraquat lungs: A morphometric study of pulmonary arteries. *Tohoku J Exp Med* 174: 129-140.
- Scheil E. (1931) Die Berechnung der Anzahl und Größenverteilung kugelförmiger Kristalle in undurchsichtigen Körpern mit Hilfe der durch einen obenen Schnitt erhaltenen Schnittkreise. *Z anorg allg Chem* 201: 259.
- Schwartz HA. (1934) The metallographic determination of the size distribution of temper carbon nodules. *Metals Alloys* 5: 139.
- Seggev JS, Mason UG III, Worthen S. et al. (1983) Bronchiolitis obliterans: report of three cases with detailed physiologic studies. *Chest* 83:169-174, 1983.
- Shimizu H, Yokoyama T. (1993) Three-dimensional structural changes of hepatic sinusoids in cirrhosis providing an increase in vascular resistance of portal hypertension. *Acta Pathol Jpn* 43: 625-634.
- Shimizu H, Suda K, Yokoyama T. (1996) Difference in the three-dimensional structure of the sinusoids between hepatocellular carcinoma and cirrhotic liver. *Pathol Internat* 46:992-996.
- Shimosato Y. (1989) Pulmonary neoplasms. In: Diagnostic Surgical Pathology (Sternberg SS ed), New York, Raven Press, pp. 785-827.
- Smith P, Heath D, Kay JM. (1974) The pathogenesis and structure of paraquat-induced pulmonary fibrosis in rats. *J Pathol* 114: 58-67.
- Sugawara I, Ise Y, Mori K, Takahashi T. (2003) A study of changes of bone trabeculae in osteoporosis by morphometry and 3-D graphic reconstruction of vertebral bodies. *Igaku-Kensa*, 52: 200-206. (Japanese with English summary)
- Suwa N, Niwa T, Fukasawa H, Sasaki Y. (1963) Estimation of intravascular blood pressure gradient by mathematical analysis of arterial casts. *Tohoku J exp Med* 79: 168-198.
- Suwa N, Takahashi K, Fujimoto R, Sasaki Y. (1966) Derivation of expiratory mechanics of normal and emphysematous lungs on anatomical basis. *Tohoku J exp Med* 90: 77-96.
- Suwa N, Sasaki Y, Takahashi K, Fujimoto R. (1966) Estimation of expiratory efficiency of emphysematous lungs on the basis of anatomical findings. *Tohoku J exp Med* 90: 137-168.
- Suwa N, Takahashi T. (1971) Morphological and morphometrical analysis of arteries in hypertension and ischemic kidney. Uraban & Schwarzenberg, München.
- Suwa N, Takahashi T, Saito K, Sawai T. (1976) Morphometrical method to estimate the parameters of distribution functions assumed for spherical bodies from measurements on a random section. *Tohoku J Exp Med* 118: 101-111.
- Suwa N. (1981) Supracellular structural principle and geometry of blood vessels. *Virchows Archiv A Pathol Anat* 390: 161-179.
- Suzuki M, Takahashi T, Ohuchi K. (1988) Three-dimensional reconstruction of semi-gross

- biostructures using "macroserials": 1-mm-thick serial organ slices. *J Microsc* 149:175-183.
- Suzuki M, Takahashi T, Ohuchi K, Matsuno S. (1989) The development and extension of hepatohilar bile duct carcinoma. *Cancer* 64: 658-666.
- Suzuki M, Takahashi T, Fukuhara K, Unno M, Endo K, Takeuchi H, Matsuno S. (1998) Intrahepatic extension of hepatohilar cholangiocarcinoma visualization by 3-D biliary tract mapping. In: *Carcinoma of the pancreas and biliary tract* (Wakui A *et al.* ed). Tohoku Univ. Press, Sendai, pp. 319-334.
- Tabuchi Y, Nakamura T, Saitoh Y. (1991) Liver metastases induced by implantation of VX2 cancer into the gastrointestinal. *J Surg Res* 50: 216-222.
- Takahashi T, Orii T, Kaneda M. (1968) Precancerous condition of the human liver. *Tohoku J Exp Med* 94: 203-224.
- Takahashi T. (1970) The lobular structure of the human liver from the viewpoint of hepatic vascular architecture. *Tohoku J Exp Med* 101: 119-140.
- Takahashi T. (1978a) Three-dimensional morphology of the liver in cirrhosis and related disorders. *Virchows Arch A Pathol Anat Histol* 377: 97-110.
- Takahashi T. (1978b) Topological analysis of the morphogenesis of liver cirrhosis. *Virchows Arch A Pathol Anat Histol* 377: 189-201.
- Takahashi T, Suwa N. (1978c) Stereological and topological analysis of cirrhotic livers as a linkage of regenerative nodules connected in the form of three-dimensional network. *Lecture Notes in Biomathematics* 23: 85-92, Springer.
- Takahashi T, Matsumoto J. (1980) Pattern analysis of chronic liver diseases from the viewpoint of structural connectivity. *Tohoku J Exp Med* 131: 313-325.
- Takahashi T. (1982) Indexing of connectivity in a 2-D, 2-phasic pattern with its relevance to the 3-D structure: An application to the evaluation of advancement of chronic liver diseases. In: *Morphometry in Morphological Diagnosis* (Collan Y *et al.* ed), Kuopio Univ. Press, Kuopio, pp. 135-143.
- Takahashi T, Wagenvoort N, Wagenvoort CA. (1983) The density of muscularized pulmonary arteries in normal lungs. A morphometric study. *Arch Pathol Lab Med* 107: 19-22.
- Takahashi T, Iwama N. (1984a) Atypical pattern of gastric adenocarcinoma. A 3-dimensional reconstruction study. *Virchows Arch A Pathol Anat Histol* 403: 127-134.
- Takahashi T, Iwama N. (1984b) Atypical glands in gastric adenoma. Three-dimensional architecture compared with carcinomatous and metaplastic glands. *Virchows Arch A Pathol Anat Histol* 403: 135-148.
- Takahashi T, Iwama N. (1984c) Three-dimensional morphology of gastric adenocarcinoma. Atypical glands as a basis for histopathologic diagnosis. *Tohoku J Exp Med* 143: 451-465.
- Takahashi T, Iwama N. (1985) Three-dimensional microstructure of gastrointestinal tumors. Gland pattern and its diagnostic significance. In: *Pathology Annual* (ed. Sommers SC *et al.*) Vol. 20 (part I), Appleton-Century-Crofts, Norwalk, pp. 419-440.
- Takahashi T, Yaginuma N. (1985) Ischemic injury of the human pancreas. Its basic patterns correlated with the pancreatic microvasculature. *Path Res Pract* 179: 645-651.
- Takahashi T, Yaegashi H, Ito M. (1986) A microcomputer system for 3-D reconstruction of tissue microstructures. Its application to histopathological studies. *Proc Roy Microsc Soc* 21 (Suppl): S64.
- Takahashi T, Chiba T. (1990) Three-D computational geometry: The "form" of vascular tree as expressed by the distribution of distance in the space, its organ difference and significance

- in blood flow. In: Science on Form II (ed. Ishizaka S), KTK-Reidel, Tokyo, pp. 17-30.
- Takahashi T, Kikuchi T, Chiba T. (1992) Three-D computational geometry: The pattern of vasculature in normal and diseased livers as expressed by the distribution of distance in space. *Acta Stereol* 11: 41-49.
- Takahashi T, Takahashi Y, Nio M. (1994) Remodeling of the alveolar structure in the paraquat lung of humans. *Human Pathol* 25: 702-708.
- Takahashi T. (1994) The pathology of pulmonary fibrosis revealed by the study of paraquat lung. In: Basic and Clinical Aspects of Pulmonary Fibrosis (ed. Takishima T *et al.*), CRC Press, Roca Raton, pp. 3-13.
- Takahashi T, Chiba R, Mori M, Furukawa T, Suzuki M, Tezuka F. (1995) Computer-assisted pathology of intraepithelial adenocarcinoma and related lesions: 3-D distribution, structural aberration and discrimination. *J Cell Biochem (Suppl)* 23: 25-32.
- Takahashi T, Endoh M. (2000) The morphology and morphogenesis of cirrhosis. 3D visualization of the reorganization process. XXIII International Congress of IAP, CM-08 handout, pp. 31-34.
- Takaki R, Arai Y. (1993) Integral method for estimation of connectivity of elements in 2-dimensional gray patterns. *Forma* 8: 147-155.
- Takemura M, Oguma S, Mori S, Ishii M, Starzl TE, Demetris AJ, Takahashi T. (1991) Peribiliary vascular diseases in rejected livers; computer-aided three-dimensional reconstruction and morphometry. *Transplant Proc* 23: 1409-1412.
- Takizawa T, Thurlbeck WM. (1971) Muscle and mucous gland size in the major bronchi of patients with chronic bronchitis, asthma and asthmatic bronchitis. *Am Rev Respir Dis* 104: 331-336.
- Tezuka F, Chiba R, Takahashi T. (1994) Morphometric and multivariate statistical detection of cancer cells in endometrial cytology. *Analyt Quant Cytol Histol* 16:332-338.
- Thaler H. (1952) Über die formale Pathogenese der posthepatitischen Lebercirrhose. *Beitr path Anat* 112: 173-186.
- Thoma R. (1911) Über die Histomechanik des Gefäßsystems und die Pathogenese der Angioneukrose. *Virchows Arch path Anat* 204: 1-74.
- Vogelstein B, Fearon ER, Hamilton SR *et al.* (1988) Genetic alterations during colorectal tumor development. *N Engl J Med* 319: 525-532.
- Wagenvoort CA, Wagenvoort N. (1977) Pathology of pulmonary hypertension. John Wiley & Sons, N.Y.
- Ward JH Jr. (1963) Hierarchical grouping to optimize an objective function. *J Am Statist Assoc* 58:236-244.
- Watanabe T, Yaegashi H, Koizumi M, Toyota T, Takahashi T. (1997) The lobular architecture of the normal human pancreas: a computer-assisted three-dimensional reconstruction study. *Pancreas* 15: 48-52.
- Watanabe T, Yaegashi H, Koizumi M, Toyota T, Takahashi T. (1999) Changing distribution of islets in the developing human pancreas: a computer-assisted three-dimensional reconstruction study. *Pancreas* 18: 349-354.
- Weibel ER. (1962) Morphometrische Analyse von Zahl, Volumen und Oberfläche der Alveolen und Kapillaren der menschlichen Lunge. *Z. Zellforsch*, 57:648-666, 1962.
- Weibel ER. (1963) Morphometry of the human lung. Springer, Berlin.
- Whitehous FR, Kernohan JW. (1948) Myenteric plexus in congenital megacolon. *Arch Intern Med* 82: 75-115.

- Yaegashi H, Takahashi T, Kawasaki M. (1987) Microcomputer-aided reconstruction: A system designed for studies in histology and histopathology. *J Microsc* 146: 55-65.
- Yaegashi H, Takahashi T. (1994a) The airway dimension in ordinary human lungs. *Arch Pathol Lab Med* 118: 969-974.
- Yaegashi H, Takahashi T. (1994b) The site, severity and distribution of bronchiolar obstruction in lungs with chronic obstructive pulmonary disease. *Arch Pathol Lab Med* 118: 975-983.
- Yaegashi H, Zhang Y, Tezuka F, Takahashi T, Fukumoto M. (2000) Computer-assisted 3-D mapping and morphometry of dysplastic zones in endoscopically resected colonic adenomas. *J Pathol* 191: 143-149.
- Yaginuma G, Mohri H, Takahashi T. (1990) Distribution of arterial lesions and collateral pathways in the pulmonary hypertension of congenital heart disease: a computer aided reconstruction study. *Thorax* 45: 586-590.
- Yaginuma N, Takahashi T, Saito K, Kyogoku M. (1986) The microvasculature of the human pancreas and its relation to Langerhans islets and lobules. *Path Res Pract* 181: 77-84.
- Yamaki S, Wagenvoort CA. (1981) Plexogenic pulmonary arteriopathy. Significance of medial thickness with respect to advanced pulmonary vascular lesions. *Am J Pathol* 105: 70-75.
- Yamanami H, Chiba R, Kobari M, Matsuno S, Takahashi T. (1999) Total number and size distribution of hepatic metastases of carcinoma. *Analyt Quant Cytol Histol* 21: 216-226.
- Zhang Y, Yaegashi H, Tezuka F, Takahashi T. (1994) A clinicopathological study of protuberant adenomas and adenocarcinomas of the colon based on a computer-aided 3-D distribution analysis and volumetry of atypical glands. *Pathol Clin Med* 12: 1395-1402. (Japanese with English summary)