

REFERENCES

- 1- **David, Sutton**: Text book of Radiology and Imaging, 7th edition, (vol.1): 640-642, 2006.
- 2- **Zhang, YL; Zhang, Zs and Wu, Bp**: Early diagnosis of colo-rectal cancer in china. Worled J Gastroenterol 1:21-25, 2002.
- 3- **Antoch, G; Saoudi, N and Kuchl, H**: Accuracy of Whole Body dual modality, fluorine-18-2-fluoro-2 deoxy-D-glucose positron emission tomography (FDG-PET/CT) for tumor staging in solid tumors: comparison with CT and PET .J clin Oncol; 22:4357-4368, 2004.
- 4- **Bartam, C.**: The large bowel. In Allison's diagnostic radiology. New York: 4th edition: 1009-1024, 2001.
- 5- **Fenoglio-Preiser, CM; Noffsinger, A and Stemmermann, G**: The colon in Gastrointestinal Pathology: Philadelphia: Lippincott-Raven, 2nd. Ed., 234-289, 1999
- 6- **Mc Minn, RMH**: The colon and rectum. In: Last's Anatomy. 37-61, 1994.
- 7- **Bannister, LH; Berry, H and Collins, P**: The large intestine. In: Gray's Anatomy, Gray H (ed.).ELBC with Churchill Living Stone, 39th edition: 1774-1786, 2005.
- 8- **Snell, RS**. The large intestine. In: Clinical Anatomy for Medical Students. Snell RS(ed). Little, Brown and Boston 6th edition: 185-334, 2000.
- 9- **Reeders, J; Rosenbusch, G and Anne, B**: Anatomy, physiology and pharmacology of the colon. In: Clinical radiology and endoscopy of the colon. Verlag G.T (ed.). Thieme medical publishers. New York. 4-23, 1994

10- **Tortora G:** The digestive system. In: Principles of human anatomy. Addison W. (ed) 8 th ed. Benjamin / Cummings.California. . 707-46, 1998.

11-**Kennedy, M. and Lubowski, D:** Anatomy and physiology investigations. In: surgery of the anus, rectum, and colon. 2nd W. B. Saunders . London. 53-69, 1999.

12- **Benedict, KT:** Anatomy and physiology of the colon. In: Textbook of radiology of the colon. 3 rd ed. Lippincott. Philadelphia: 27-61, 1984

13-**Ereshenko, VP:** Small and large intestines. In: Di Fiore's Atlas of Histology. Di Fiore(ed).Philadelphia, 9thed.: 199-218, 2000.

14 - **Lee , J ; Sagel , S. and Stanley , R.:** Computed body tomography . Alimentary Tract. 330, Raven press, New York; 99-118, 1986

15- **Moss, A.:** Computed tomography in staging of gastrointestinal carcinoma .The radiologic clinics of North America; Vol. 20, No 4: 56. 1982.

16- **Charnsangavjev, C; DuBrow , R and Varma, D:** CT of the mesocolon: part I,Anatomic considerations, Radiographics ; 13:1035-1045 , 2004

17- **Ryan, S; Dnistrian, A and Schwartz, M:** serum folate, homocysteine and Colo-rectal cancer risk in women: a tested case control study. Br J Cancer PP: 342:367, 2003.

18-**Grabbe, E; Lierse, w. and Winkler, R.:** The perirectal fascia: Morphol and use in staging of rectal carcinoma. Radiology; .146: 241-246, 2000.

19- **Meyers, M.:** Computed tomography of gastrointestinal tract. Chap.10, Springer-verlag. New York, Berlin, Heidelberg, Tokyo, 245, 1986.

- 20- **Zounbauer , W; Haetrel , M. and Fuch, W.:** Computed tomography in carcinoma of rectum . Gastrointestinal Radiology ; 6 : 76 , 2001.
- 21-**Chen, LB; Tong, JL and HZ :**(18) FDG PET/CT in detection of recurrence& metastases of colo-rectal cancer. World J Gastroenterol: 13(37);5025-29,2007
- 22-**Gutman, F; Albertini, JL and ski, M:** Incidental colonic focal lesions detected by FDG PET/CT.AJR Roentgenol ;495-500,2005.
- 23-**American Cancer Society:** Cancer facts and figure, American Cancer Society Research. Available at <http://www.cancer.org>.,2004
- 24-**Jamie, Weir and Peter, H:** Imaging Atlas of Human Anatomy, 125-159, 2005.
- 25-**Greenlee, RT; Murray, T and Tmlou, PA:** Cancer statistics, A Cancer J Clin; PP: 7-33, 2000.
- 26- **Yee, J; Kumar, N and Hung, R:** Comparison of supine and prone scanning separately and in combination at CT colonography. Radiology;PP:653-661,2003.
- 27-**Kato, I; Dnistrian, AM and Schwartz, M:** serum folate, homocysteine and colo-rectal cancer risk in women: a tested case control study. Br J Cancer; 79:115, 1999.
- 28- **Bernstein, EL., Chauis, PH and Fung, C.:** Malignancy in Crohn's disease Am. J. Gastroenterol: 91; 434:440, 1995.
- 29-**Burt, RW; Bishep, DT and Lynch, HT:** Risk and survival with heritable factors for colo-rectal cancer: 655-669, 2003.
- 30-**Jo, WS and Chung, DC:** Genetics of hereditary Colo-rectal cancer .Semin Oncol: 11-23, 2005.
- 31-**Debiniski ,HS; Love ,S and Spigelman ,AD :** Colorectal polyp counts and cancer risk in familial adenomatous polyposis. Gastroenterology: 110:1028-30, 1996.

- 32-**Winawer, SJ; Fietcher, RH and Miller, L:** Colo-rectal cancer screening: Clinical Guidelines and rationale. Gastroenterology; 112:594-599, 1997.
- 33-**Giardiella ,FM ; Wesh ,SB and Hamilton ,SR :**Increased risk of cancer in the Peutz-jeghers syndrome. N Engl J Med; 316:1511-1514, 1991.
- 34- **Gore, RM.:** Colo-rectal cancer, clinical and pathologic features. Rad Clin North Amer; 35:403-429, 1997.
- 35-**Klatt, CK.:** The large intestine. In: Robbins Atlas of pathology .Klatt CK (ed) Philadelphia. W.B.Saunders:234-252, 2005.
- 36-**Kumar, V; Abbas A and Fausto, N:** The small and large intestine. In: Robbins and Cortan Pathologic Basis of Disease, Kumar V., Abbas A., Fausto N (eds)7th edition:828-875,2005.
- 37-**Morgan-Parkers, JH:** Metastases: Mechanism, pathway and Cascades. AJR; 164.PP:1075-1082,1995.
- 38-**Russell, RCG; Williams, NS ,and Bulstrode, CJK:** The large intestine . In: Baily and Love's Short Practice of Surgery. Russell RCG, Williams NS ,and Bulstrode CJK (eds),23th ed. :1047-1053,2000.
- 39-**Compton, CC:** The pathology report in colorectal cancer .Am Soc Clin Oncol: 38:502-516, 2003.
- 40-**Boland, CR.:** Malignant tumors of the colon. In: Textbook of gastroenterology .Yamada T(ed) philadelphia, JB Lippincott 4th edition: 1967-2026, (2003).
- 41-**Halligan, S.:** The large bowel. In :Sutton D., Textbook of Radiology and imaging .Sutton D (ed).Churchill Living Stone;7th edition :635-662,2003.
- 42-**Rosch, T.:** The new TNM classification in gastroenterology. Endoscopy; 30:649,1998.

- 43-**Stephan M, Stockberger Jr and Dean D:** Oncologic imaging colo-rectal cancer: 439-472: 2002.
- 44- **Pickhardt, PJ. ;Choi, JR and Hwang I:** Computed tomography virtual colonoscopy to screen for colorectal neoplasia in asymptomatic adults. N Engl J Med;349:2191-2200, 2003.
- 45-**Yee, J; Geetanjali, A and Raymond, K:** Colorectal neoplasia: performance characteristics of CT Colography for detection in 300 patient .Radiology;219 :685-692,2001.
- 46- **Felon, HM. ;Nunes , DP and Clanke, PD:** Colo-rectal neoplasm detection using virtual colonoscopy: a feasibility study Gut;43:806-811,1998.
- 47-**Antoch, G., Freedenberg LS and Stattaus J.:** Whole-body positron emission tomography-CT: Optimized CT using oral and IV contrast materials. AJR Am J Roentgenol, 179: 1555-1560, 2002.
- 48-**Hofer M.:** CT teaching manual 2nd edition ;6-8,1997.
- 49- **Blum, A.; Walter, F& Ludig, T:** Multi-detector CT: principles and new applications. J Radiol 2000; 81: 1597-1614.
- 50- **Napoli, A.; Catalano, C & Silecchia, G :**Laparoscopic splenectomy: multi-detector row CT for preoperative evaluation. Radiology 2002.
- 51- **Rostom, AY; Powe , J and Kandil, A. :** Positron Emission Tomography in Colorectal cancer , A clinico-pathological correlation of results, The British Journal of Radiology , 72. PP: 1064-1068, 2004.
- 52- **Landis, K:** Use of PET/CT scanning in cancer patients: Technical and practical considerations; 18: 321-330, 2005.
- 53- **Kapoor, V; Barry M and Frank S.:** An introduction to PET-CT imaging, Radiographics, 24: 523-543, 2004.

- 54- **Miraldi, F; Vesselle ,H and Faulhaber ,P F**: Elimination of artifactual accumulation of FDG in PET imaging of colo-rectal cancer , Clin.Nucl.Med.2004.
- 55-**Alessio, M ; and Vesselle, H.**: PET/CT scanner instrumentation , challenges , and solutions , Radiol Clin N Am , 42 : 1017-1032 , 2004.
- 56- **Gutzeit, A; Antoch, G and Kuhl, H**: Unknown primary tumor detection with dual – modality PET/CT – initial experience. Radiology; 234: 227-234, 2005.
- 57- **Schulthess, G; Baltimore, M and Lippincott, P**: Normal PET and PET/CT body scans: imaging pitfalls and artifacts. Clinical Molecular Anatomic Imaging: PET, PET/CT: 252-270, 2002.
- 58- **Beyer, T and Muller, S**: Protocol Consideration for combination PET/ CT imaging, Med 45: 23-25, 2004
- 59-**Goerres, GW; Hany, TF and Kamel, E**: Head and neck imaging with PET and PET/CT: artifacts from dental metallic implants. Eur J Nucl Med, 29. : 369-370, 2002.
- 60- **Mawlawi, O; Pan Tand Cody, DD**: Evaluation of a new CT truncation correction algorithm for accurate quantification of PET/CT images J Nucl Med , 45. PP: 413, 2004.
- 61-**Cohade ,C; Osman M and Nakamoto, Y**: Initial experience with oral contrast in PET/CT: Phantom and clinical studies. J Nucl Med. 44. : 412-416, 2003.
- 62- **Selby, JV; Friedman ,GD and Quesenberry CP** : A case control study of screening sigmoidoscopy and mortality from colorectal cancer . N. Engl. J. Med. 326: 653-657, 1992.
- 63- **Bond, JH**: Polyp guideline diagnosis, treatment, and surveillance for patients with colo-rectal polyps practice parameters. Committee of

the American Collage of Gastroenterology. Am. J. Gastro-enterol. 95: 3053-3063 , 2000.

64- **Gutman, F ; Alberini ,J L and Wartski ,M** : Incidental colonic focal lesions detected by FDG PET/CT . 185: 495-500, 2007.

65- **Engel, H; Steinert, H and Buck, A**: Whole-body PET: Physiological and artifactual fluorodeoxyglucose accumulations. J. Nucl. Med. 37: 441-446 , 1996.

66- **Kresnik, E; Gallowitsch, IU and Mikosch, P**: 18-F –FDG positron emission tomography in the early diagnosis of enterocolitis: preliminary results. Eur. J. Nucl.Med. Mol. Imaging, 29: 1389-1392, 2002.

67- **Neurath, MF; Vehling, D and Schunk K**: Non-invasive assessment of Crohn's disease activity: A comparison of 18 F-fluorodeoxyglucose positron emission tomography, hydromagnetic resonance imaging and granulocyte scintigraphy with labeled antibodies. Am. J. Gastroenterol. 97: 1978-1985, 1985.

68- **Kim, S; Chung, JK and Kim, BT**: Relationship between gastrointestinal 18-F fluorodeoxyglucose accumulation and gastrointestinal symptoms in whole-body PET . Clin.Positron Imaging, 2: 273-279, 1999.

69- **Pendit-Taskar, N; Schoder , H and Gonen, M** : Clinical significance of unexplained abnormal focal FDG uptake in the abdomen during whole-body PET . AJR Am. J. Roentgenol, 183: 1143-1147, 2004.

70- **Ruehm ,S and Kuehl, H**: Lymph node staging with dual-modality PET/CT : Enhancing the diagnostic accuracy in oncology . Eur. J. Radiol. 58: 383-389, 2006.

- 71- **Ikuma, H and Seki, A**: Positron emission tomography scanning in whole body multidetector helical computed tomography in the preoperative staging of colo-rectal cancer. *Gut*, 55: 1007-1011, 2006.
- 72- **Schoepf UJ, Becker, CR and Obuchowski NA**: Multi-slice computed tomography as a screening tool for colon cancer, lung cancer, and coronary artery disease. *Eur. Radiol* , 11: 1975 – 1985, 2001.
- 73- **Schulthess, GK V.**: Normal PET and PET/CT body scans: imaging pitfalls and artifacts. In: Von- Schulthess GK, ed. *Clinical Molecular Anatomic Imaging: PET, PET/CT and SPECT/CT*. Baltimore, MD: Lippincott , Williams &Wilkins: 252-270, 2002 .
- 74- **Lyer ,RB ; Silverman ,PM and DuBrow RA** : Imaging in the diagnosis , staging , and follow-up of colo-rectal cancer . *AJR Am. J. Roentgenol* , 179 : 3-13 , 2002.
- 75- **Iannaccone R ; Laghi A and Passariello R** : Colo-rectal carcinoma : detection and staging with multislice CT (MSCT) colonography . *Abdom. Imaging*, 30: 13-19, 2005.
- 76- **Morrin , MM ; Farrell RJ and Raptopoulos V** : Role of virtual computed tomographic colongraphy in patients with colo-rectal cancers and obstructing colorectal lesions . *Dis. Colon. Rectum*, 43: 303-311, 2000.
- 77- **Park , IJ ; Kim HC and Yu CS ,** : Efficacy of PET/CT in the accurate evaluation of primary colorectal carcinoma . *Eur. J. Surg. Oncol.* 32: 941-947, 2006.
- 78- **Chiesura –Corona M; Muzzio PC and Giust G**: Rectal cancer: CT local staging with histopathologic correlation. *Abdom. Imaging* 26: 134-138, 2001.
- 79- **Filipone, A; Ambrosini, R and Fuschi M**: Prospective T and N staging of colo-rectal cancer: accuracy of contrast-enhanced multi-

detector row CT colonography – initial experience. Radiology, 231: 83-90, 2004 .

80- **Fukunaga, H; Sekimoto M and Ikeda M** : Fusion image of positron emission tomography and Computed tomography for the diagnosis of local recurrence of rectal cancer . Ann. Surg. Oncol. 12: 1-9, 2004.

81- **Rosenbaum SJ, Sterger H and Antoch, G.**: Staging and follow up of gastrointestinal tumors with PET/CT. Abdom Imaging; 31:25, 2006.

82- **Blodgett, TM; Meltzer, CC and Townsend DW**: PET/CT: form and function, Radiology 242:360-385, 2007.

83- **Kuehl, H; Veit P and Rosenbaum SJ**: Can PET/CT replaces separate diagnosis CT for cancer imaging? Optimizing CT protocols for imaging cancers of the chest and abdomen. J. Nucl. Med. 48 suppl 1: 45S-57S, 2007.

84- **Elmas, N; Killi, RM and Sever, A**: Colo-rectal carcinoma: radiological diagnosis and staging. Eur.J. Radiol. 42: 206-223, 2002

85- **Veit, P; Antoch, G and Stergar, H**: Detection of residual tumor after radiofrequency ablation of liver metastasis with dual-modality PET/CT: initial results , Eur. Radiol.E-pub ahead of print , 2005.

86- **Albertini, JL and Wartski, M**: Incidental colonic focal lesions detected by FDG PET/CT, J. Roentgenol , 185 : 495-500 , 2005.

87-**Selzner, M; Hany, TF and Wildbrett, P**: Does the novel PET/CT imaging modality impact on the treatment of patients with metastatic colorectal cancer of the liver? Ann. Surg; 240: 1027-1034, 2004.

88-**Gollub, MJ; Schwartz, LH and Akhurst, T**: Update on colorectal cancer imaging. Radiol.Clin.North. Am. 45: 85-118, 2007.

- 89- **Sahani, D; Mehta, A and Blake M**: Preoperative hepatic vascular evaluation with CT and MR angiography: implications for surgery. *Radiographics*; 24: 1367-1380, 2004.
- 90- **De Bree, E; Witkamp, AJ and Zoetmulder, FA** : Intraperitoneal chemotherapy for colo-rectal cancer. *J.Surg. Oncol.* 79: 46-61, 2002.
- 91- **Jin, KN; Lee JM and Kim SH**: The diagnosis value of multiplaner reconstruction on MDCT colonography for the preoperative staging of colorectal cancer. *Eur. Radiol.* 16: 2284-2291, 2006.
- 92- **Cohade, C; Osman, M and Nakamoto, Y**: Initial experience with oral contrast in PET/CT: Phantom and clinical studies. *J Nucl Med.* 44. : 412-416, 2003.
- 93- **Huebner, RH; Park KC and Shepherd, JE**: A meta-analysis of the literature for Whole-body FDG PET. Detection of the recurrent colorectal cancer, *J. Nucl. Med.* 1177-1189, 2000.
- 94- **Beyer T, Antoch G, Blodgett T, et al.**: Dual modality PET/CT imaging: The effect of respiratory motion on combined image quality in clinical oncology. *Eur J Nucl Med Mol Imaging*; 30: 588-596, 2004.
- 95- **Lardiniois D, Weder W, Hany TF, et al.** staging of non- small-cell lung cancer with integrated positron emission tomography and computed tomography. *N Engl J Med.*; 348:2500-2507, 2003.
- 96- **C. MESSA, V.BETTINARDI, M.PICCHIO, et al.**, PET/CT in diagnostic oncology: *Q J NUCL MED MOL IMAGING*; 48:66-75, 2004.

97- **Emilio Bombardieri**, Cumali Aktolun, Richard P. Baum, et al. FDG-PET- Procedures Guidelines For Tumour Imaging European Association of Nuclear Medicine September 2, 2003.

98-**Dhamanaskar KP**, Thurston W, Wilson SR. Transvaginal sonography as an adjunct to endorectal sonography in the staging of rectal cancer in women. *AJR* 2006; 187:90 -98

99-**Rao SX, Zeng MS**, Xu JM, et al. Assessment of T staging and mesorectal fascia status using high-resolution MRI in rectal cancer with rectal distention. *World J Gastroenterol* 2007; 13:4141 -4146

100-**Heneghan JP**, Salem RR, Lange RC, Taylor KJ, Hammers LW. Transrectal sonography in staging rectal carcinoma: the role of gray-scale, color-flow, and Doppler imaging analysis. *AJR* 1997;169 : 1247-1252

101-**Alexander AA**, Liu JB, Palazzo JP, et al. Endorectal color and duplex imaging of the normal rectal wall and rectal masses. *J Ultrasound Med* 1994; 13:509 -513

102- **Gordon PH, Nivatvongs S** [eds]: Principles and Practice of Surgery for the Colon, Rectum and Anus, 2nd ed. St Louis, Quality Medical Publishing, 1999, p 23.)