

REFRECES

- 1- **Valdes L, Pose A, Saurez J, Junanatey JR, Sarendeses A and Jose E. (1991):** Cholestrol as a useful paramer in differentiation between transudates and exudates. Chest; 99:1097-1102.
- 2- **Light RW, Mac Gregor MI, Luchsinger PC and Bailw C. (1972):** Pleural effusion: The diagnostic separation of transudates and exudates. Ann Intern Med; 77:507.
- 3- **Roth Bj, O'Mera TF and Crugun YM. (1990):** The serum-effusion albumin gradient in the evaluation of pleural effusion. Chest; 98:546-9.
- 4- **Romero S, Candela A and Martin C.(1993):** Evaluation of different criteria for the seperation of pleural transudates from exudates. Chest, 104:399-404.
- 5- **Burgess LJ, Martiz FJ and Taljaard JF. (1995):** Comparitive analysis of the biochemical parameters to distinguish between pleural transudates and exudates. Chest. 107: 1604-9.
- 6- **Sheldon C and Gailagher PG (1981):** Reactive mesothleal proliferation: necropsy study. Thorax 36:901.
- 7- **kinasewitz GT. (1999):** Pleural fluid dynamics and effusions. In Fishman AP (Third edition); Fishman pulmonary disease and disorders. MC Grow-Hill USA, vol 2; (19) 1389-1409.
- 8- **Snell SR (1995):** The thorax part III the thoracic cavity in Snell SR (eds) Clinical anatomy for medical students 5th ed. Little Brown company pp:77-80.
- 9- **Robert FJ. and James HD. (1981):** Pleural diseases in pulmonary diseases and disorders(eds):Fishman AP;MC Grawhill Book co;134.
- 10- **Light Rw. (1983):** Pleural diseases; Philadelphia; Lea and Febiger. Arch Intern Med: 32-46.

- 11- **Crofton J. and Douglaes A. (2000):** Respiratory diseases. 3rd ed; Blackwell scientific Publication; Oxford London; 23:306.
- 12- **Johnston RF. and gree RA. (1983):** Pleural diseases in: Baum's text book of pulmonary diseases. 3rd ed. Little Brown company, 1983; (19) 1281-1322.
- 13- **Peek GJ, Marcos S and Cooper G (2000):** The pleural cavity. BMJ; 320 (5): 1318-1321.
- 14- **Nunn FJ, and Lumb AB (2000):** Physiology of pleural space. Nunn's applied respiratory physiology. Oxford, Butterwork Heinennan; pp 370-429.
- 15- **Agostoni E and Zocchi L (1998):** Mechanical coupling and liquid exchanges in the pleural space. Clin. Chest Med; 19 (2): 241-261.
- 16- **Lai-Fok SJ (1987):** Mechanics of pleural space: Fundamental concepts. Lung 165: 249-267.
- 17- **Wiener-Komish JP and Broddus VC. (1993):** Inter-relation of pleural and pulmonary circulation. Ann Res physiol; 55:209.
- 18- **Claus RH, YA coubian NH and Baker HC. (1956):** Dynamics of pleural effusion. Surg Forum, 7:201.
- 19- **Agostoni E, (1986):** Mechanics of pleural space. In: Fishman AP (ED) Handbook of physiology: The Respiratory system; Bethesda MD. Americal physiological society; 531-59.
- 20- **Heffner JE (1998):** Evaluating diagnostic tests in pleural space; differentiating transudates from exudates. Clin chemist Med; 19 (2): 261-271.
- 21- **Porcel JM and Vives M (1999):** Classic abbreviated and modified light's criteria: The end of the story. Chest; 116 (6): 1833-1835.

- 22- **Seaton A, Seaton D and Leitch A (2000):** Diseases of the pleura: In Crofton and Douglas, Respiratory diseases. Oxford, Blackwell Scientific; PP: 1152-1181.
- 23- **Milligan RB, Levine OR and Fishman AP. (1970):** Effect of systemic and pulmonary venous hypertension on pleural and pericardial fluid accumulation. Am Rev. Resp. Dis; 29:564.
- 24- **Sue DY. (2000):** Exertional dyspnea in congestive heart failure. Chest; 118 (1) 5-7, 29:564.
- 25- **Sadikat RT, Fredi FL and Light RW. (2000):** A Large recurrent right side pleural effusion. Chest; 117 (4): 1191-1194.
- 26- **Kirsh CM. (2000):** Cirrhotic hydrothorax. Chest; 118 (1): 2-4.
- 27- **Lichenstein M. and Frazer H (1983):** Pleural-peritoneal effusion without ascitis. Med. J Aust, 2:2501.
- 28- **Santiago R, Lonpion M, Luis H, Jose V and Celiat. (1998):** Pleural effusion cirrhosis of the liver: analysis of its frequency and clinical characteristics Chest; 114 (1): 154-159.
- 29- **Cavina C and Vichi G. (1982):** Radiological aspects of pleural effusions in medical nephropathy. Ann Radiol Diagn, 31: 163-202.
- 30- **Van Beck E, Oudkark M and Teneate JW (1999):** Pulmonary embolism; Epidemiology, diagnosis and treatment. Berlin, Blackwell Science; PP 137-169.
- 31- **Goldhaler SZ. (1998):** Clinical over view of thromboembolism. Vasc, Med; 3 (1): 35-40.
- 32- **Tag El Din M, Gohar S, Ashmawi S and Amin M (2000a):** Pulmonary complication in peritoneal dialysis patients. Egypt Journal Chest and Tub; 49 (1): 230-237.
- 33- **Sahn SA (1988):** The pleura. Am Rev Resp Dis; 138:134-234.

- 34- **Tomasell: G, Gamsu G and Stuberg MS. (1989):** Constrictive pericarditis presenting as pleural effusion of unknown origin. Arch Intern Med; 149:201-203.
- 35- **Gottelhrer A, Toa J, Stanford G, Chernow B and Sahn SA. (1990):** Hypo thyroidism and pleural effusions. Chest; 1130-1132.
- 36- **Virchow R. (1846):** Weitere untersuchungen Uber die Verstofund der Lungenarter und ihree Folgen. Beitr Exp puthol physiolog. 2:21. Quoted from Fishman pulm. Diseases and disorders; ed (5), 25: 718-719.
- 37- **Russel JC. (1981):** Prophylaxis of post-operative deep venous thrombosis and pulmonary embolism. Surg gynacol obstet. 157:89.
- 38- **King MB and Harman KR. (1994):** Unusual forms of pulmonary embolism. Clin chest Med 15:561.
- 39- **Oudkar KM. (1999):** Pulmonary embolism; epidemiology. In: Oudkark M, Van Bech E, Tencato JW, (eds); pulmonary embolism: epidemiology, diagnosis and treatment. Berlin Black well science, 9-30.
- 40- **Connros FA. And Altose DM. (1994):** Pleural inflammation and effusion. In Textbook of pulmonary disease. Gerald L Baum, Wolinsky E; 5th Ed; 74:1853-66.
- 41- **White DA, Wong Pw and Douney R (2000):** Diagnosis of pleural effusion: Open lung biopsy. Am J Respir Crit Care Med; 161 (3): 723-790.
- 42- **Light RW. (2000):** Pleural effusion. In: Murray JF and Nadel IT (eds): Text book of respiratory medicine, Philadelphia WB. Saunders, 2164-2192.
- 43- **Simpson G, Roones D, and Davies R (1997):** Treatment of pleural empyema. Thorax; 52 (12): 1009-1018.

- 44- **Laim CK, Lim KH and Wong CM. (2000):** Difference in pleural fluid characteristic, A statistical study of 223 patients with pleural effusions. Med. J Malasia, SS; (2): 21-28.
- 45- **Davies RJ and Glesson FV (1998):** Diagnosis and management of pleural empyema. Curr opin. Infect Dis; 11 (2): 163-168.
- 46- **Light RW, Gerald Wm, Jenkinson SG and George RB. (1980):** Parapneumonic effusions. Am J Med 69:507.
- 47- **Jones D, Leib T, Naria M, Hollender ES and Pitcheniha E. (2000):** Mesothelial cells in tuberculous effusion of HIV Infected patients. Chest; 117 (1): 289-291.
- 48- **Andrew WI. (1980):** Radiological patterns of tuberculosis in children. Tubercul 61:157.
- 49- **Berger HW and Meja E. (1973):** Tuberculous pleurisy. Chest 63:88.
- 50- **Hills BA. (1985):** The pleural interface. Thorax 40: 12-15.
- 51- **Narseen N, Mohamed K, Dowling P, Word M, Falffy G and Antony V. (2000):** Talc induced apoptosis in human malignant mesothelioma Am J. Respir Crit Care Med; 161 (2): 595-600.
- 52- **Hus C. (1987):** Cytological detection in malignancy in pleural effusion; a review of 5:255 Samples from 3, 811 patients. Diag Cytopathol; 3:8-12.
- 53- **Iqbbal M, Rossof LJ, Marzouk KA and Steinberg HN. (2000):** Yellow nail syndrome: resolution of yellow nail after successful treatment of breast cancer Chest; 177 (5): 1516-1517.
- 54- **Sahn S.A. (1998):** Malignancy metastatize to the pleura. Clin chest Med; 19 (2): 351-361.
- 55- **Hubbard AT. (1997):** The etiology of mesothelioma: risk factors other than asbestos exposure. Thorax; 52 (6): 498-499.

- 56- **Edward F and Petz JRC. (1998):** Malignant pleural effusions: recent advances. *Chest*; 133 (1): 745-775.
- 57- **Vaz MA, Antonangelo L, Carbal M and Onishi R. (2001):** Pleural effusion due to lymphoma. *Chest*; 116 (4): 3585-3625.
- 58- **Nicklson A and Carrin B (1998):** Non-Hodgkin lymphoma *Thorax*; 53 (12): 1094-1099.
- 59- **Sahn SA. (1985):** Malignant pleural effusions. *Clin chest Med*; 6:113.
- 60- **Teklu B (1999):** Cytology in transudative pleural effusion. *Chest*; 166 (3): 846-847.
- 61- **Ribera IO, Vaswuez JM, Ruiz I, Bezarano E and Pigerau C. (1998):** ADA activity in rheumatoid pleural effusion. *Ann Rheum Dis*; 1998 47:394-397.
- 62- **Fishman AP, Elias JA, Fishman JA, Grippi MA, Kaiser LR, Seniop RM (2002):** Disorders of the pleural space. In: *Fishman's manual of pulmonary diseases and disorders*. New York, MC Grow Hill, PP 485-513.
- 63- **Keane MP. And Lynch JP. (2000):** Pleural and pulmonary manifestations of systemic lupus erythematosus. *Thorax*, 55 (2): 159-166.
- 64- **Martene R, Uranckz P, Pauls C, Coche E and Deprez P. (2000):** Pancreatico pleural fistula : diagnosis with MRI. *Chest*; 117 (3): 912-923.
- 65- **Winterbauer RH. (1997):** Non malignant pleural effusion. In: (eds) *Fishman's pulmonary diseases and disorders*. New York MC Graw Hill; 1411-14-27.
- 66- **Light RW. (1995):** Pleural disease (third edition). Williams and Wilkins. Philadelphia. 23-47.

- 67- **Moodley YP, Dorasamy T, Venteeta samy S, Naicker V and Laila U. (2000):** A comparison of CD4:CD8 ratio and TN F- α levels in Sarcoidosis. Thorax; 55 (8): 676-700.
- 68- **Grunewold J, Berlin M and Olerup O. (2000):** Clinical features of pulmonary Sarcoidosis Am J Respir Crit Care Med; 2000; 162 (3): 814-848.
- 69- **Dressler W. (1959):** The post myocardial infarction syndrome; A report of 44 cases. Arch Intern med; 103: 28-42.
- 70- **Daganou M, Dimopoulou I, Michalopoulos N and Papa Dopoulas K. (1998):** Respiratory complications after coronary artery bypas. Chest;113 (5): 1285-1289.
- 71- **Beck Lake MR. (2000):** Pneumoconiosis. In: Murray JF and NadelJA (eds): Tet book of respiratory Medicine. Philadelphia. WB saunders, 1955-2001.
- 72- **Antony VB. (1998):** Drug induced pleural diseases. Clin Chest Med; 19 (2): 331-340.
- 73- **Marlek SY and Sahn SA. (1999):** Drugs and the pleura. Chest; 116 (1): 212-221.
- 74- **Tag Eldin M, Goba S, Ashmawis and Amin M (2000b):** Pulmonary complication in hemodialysis patients. Egypt J chest and tub; 49 (1): 230-237.
- 75- **Jenkinson SG. And Sam J. (1993):** Pleural effusion complicating pleural adhesions. Ann Intern Med; 594: 177-256.
- 76- **Jaume S, Ferrer M. and Rannon M, (1996):** Evolution of Idiopathic pleural effusion; a prospective long term follow up study. Chest; 109: 503-13.
- 77- **Petterson C and Mills J; (2000):** Parasitic Infections. In: Murray JF and Nadel JA (eds): Textbook of respiratory medicine. Philadelphia. WB Saunders; PP 1201-1244.

- 78- **Bradley J, Howard J, Wallace E and Elborn S (2000):** Fungal empyemathoracis: An emerging clinical entity. *Chest*; 117 (6): 1672-1681.
- 79- **Arsura El and Kilagrae WB (2000):** Millitary coccidioidomycosis in imunocompotent host. *Chest*; 117 (2): 404-419.
- 80- **Numez M, Peacock J, Chin RC (2000):** Pulmonary cryptococcosis in imunocompotent host. *Chest*; 118 (2): 527-534.
- 81- **Marel M, Stosty B and Melinova L. (1995):** Diagnosis of pleural effusions - experience with clinical studies, *Chest*; 107: 1598-1603.
- 82- **Lippincott W. (2001):** Uiams and Wilkins. Diagnosis of pleural effusion - pleural disease. *Chest*; 133 (1): 745-775.
- 83- **Anthonisen NR and Martin RR. (1977):** Regional lung function in pleural effusion. *Am Rev. Respir dis* ; 116: 201-207.
- 84- **Baum GL and Wolinsky E. (1994):** Text book of pulmonary disease (fifth edition) Little and Brown co, England. Vol II; 1240. 102-152.
- 85- **Milland CF. (1971):** Phantom tumour of the lung and localized inter lobar effusion. *Chest*; 59: 576-80.
- 86- **Weiss W, Boucet KR and Gettor W. (1953):** Localized inter lobar effusion in congestive heart failure. *Ann Intern Med*; 3: 1177.
- 87- **Sastman HD and Matthay RA, (2000):** Chest imaging. In: George RB, Light RW, Matthy RA (eds). *Chest medicine*. Baltimore, Williams and Willkins; PP 101-130.
- 88- **Bry KD (1986):** Intrapulmonary effusions. *Radiology*: 127: 101-11.

- 89- **Mcloud TC and Flower CD. (1991):** Imaging the pleura. Sonography, CT and MRI imaging. *Am. Rev. Respir*; 156: 1145-1153.
- 90- **YU VJ, Yang PC and WU HD, (1993):** Ultrasound study in unilateral hemithorax opacification: Image comparison with computed tomography. *Am. Rev. Respir Dis*; 147: 430-437.
- 91- **Chang DB, Yang PC and Luck KT. (1991):** Ultrasound guided pleural biopsy with true cut needle. *Chest*; 100: 1328-1333.
- 92- **ALJara1 N, Poulakis N, Pearson MC, Rubens MB and Rudd RM (1991):** Assessment of asbestos induced pleural diseases by computed tomography: correlation with chest radiography and lung function. *Respir Med*; 85: 203.
- 93- **Fredrick M and Abrahamian. (2001):** pleural effusion, *Med. Journal*, September, 7: 29.
- 94- **Berland LL and Smith JK. (1998):** Multidetector array CT (editorial comment) *Radiology*; 209: 327.
- 95- **Greenspan RH and Sostman HD. (2000):** Radiographic techniques. In: Murray IF and Nadel JA (eds) *Textbook of Respiratory medicine*. Philadelphia. WB Saunders, PP 610-681.
- 96- **Collins TR and Sahn SA. (1987):** Thoracocentesis, Complications, patients experience and diagnostic value. *Chest*; 1987; 91: 817-22.
- 97- **Hall WG. And Mayewski RJ. (1985):** Diagnostic thoracocentesis and pleural biopsy in pleural effusions. *Ann Intern Med*;103:799-802.
- 98- **Jackson RM, Veal CF and Alexander CB (1988):** Re-expansion pulmonary oedema. *Am Rev Respir Dis* 137: 1165-1171.

- 99- **Meisel S, Shamis A, Thaler M, Nussinovicht N and Rosenthal T (1990):** Pleural fluid to serum bilirubin ratio for saparation between transudates and exudates. Chest; 98: 141-4.
- 100- **Sahn S. (1987):** Pleural fluid analysis: narrowing the D.D. Respir Med Semin; 22: 9.
- 101- **Marina Costa, Sapunar M and Monter J (1989):** Renduminato de les criterios de light on la differentia de transudates, exudato pleurales. Entern Cirthorac; 5:124-7. Quoted from Chest (1997); 111: 970-80.
- 102- **Johnson CC and Finegold SM (2000):** Pyogenic bacterial pneumonia, lung abscess and empyema. In: Murray JF and Nadel JA (eds): Textbook of respiratory medicine. Philadelphia WB Saunders, PP 1036-1093.
- 103- **Rabie H, Ashmawi S, Abdelsabour M and Zaki M (1997):** Measurement of pleural fluid and blood cholesterol and lactate dehydrogenase for differentiation between transudative and exudative pleural effusion. Thesis for Master degree in Chest diseases; Ain Shams University. P. 182-183.
- 104- **Neysman M, Elist KV, Noppen M, Saeddeleer BD, and Magnolet M (1999):** Lactate dehydrogenase isoenzymes analysis is not useful in differentiation between malignant and non-malignant lymphocytic exudative effusion. Chest; 126 (4): 3435-3455.
- 105- **Mckemma JM, Chanderasekhar AJ and Skorton D (1977):** The pleuro-pulmonary complications of pancreatitis, Chest; 71: 197-204.
- 106- **Staats B, Elefson T.B and Budaham TH (1980):** The lipoprotein profile of chylous and non-chylous pleural effusion. Mayo CL Proc; 55: 700.
- 107- **Al-Aarag A, Abdelmonem M and Al Debky F. (1994):** The diagnostic value of pleural cholesterol in differentiation between

- pleural exudates and transudates. Egypt. new J of medicine Vol: 10 No 1, 122-126.
- 108- **Cassidy MJ, Keeton GR, and Berman PA. (1985):** Carcinoma of the prostate presenting with massive pleural effusion and elevated pleural fluid phosphatase. BR.J. Urol; 57: 586.
- 109- **Feldstein AM, Samachan D and Spencer HC. (1963):** Alkaline phosphatase in neoplastic effusion. AM J Med; 25: 350. In fishman pulmonary diseases and disorders. Fishman AP, McGraw-Hill, USA, 0-562.
- 110- **Martin DW, Martin JR and Gelfan EW. (1981):** Biochemistry of diseases of immunodevelopment. Am Rev Biochem; 50: 845.
- 111- **Van derweyden MB, and Kelly WN. (1976):** Human ADA: distribution and properties. J. Biochem; 215: 5448.
- 112- **Patterson T, Ojala K, and Weber T (1984):** ADA in the diagnosis of pleural effusion Acta Med Scand; 215 (4): 299.
- 113- **Oriolls R, Munoz X and Drobuic Me. (1992):** High ADA activity in pleural effusion due to psittacosis. Chest; 101: 881-883.
- 114- **Bernard J (1999):** Searching for tuberculosis in the pleural space. Chest; 116 (1): 3-5.
- 115- **Sharaf El-Din M, Hossein MF, Hasanain K and Goda A. (1991):** Adenosine deaminase activity in pleural effusion. A diagnostic test. Am. Rev. Respir. Dis; 141 (4): 233.
- 116- **Ocana I, Martinez JM and Segura M (1998):** Adenosine deaminase in pleural fluid: test for diagnosis of pleural effusion. Chest: 98 (1): 63.
- 117- **Chretien J, Hirsh A, Danial C and Adoni J (1983):** Diagnostic aspects in diseases with pleural mass. Am. J . Med, 52: 164.

- 118- **Negm MF, Hamdi ABE, EL Gazzar AG, Yousef AA, AL-Aarag AH, Okab AA and Abdelmoneem MM. (1995):** Estimation of sialic acid in the serum and pleural fluid in patients with pleural effusions. Eg. J. of Chest diseases and tuberculosis Vol 44 (2) P. 81-89.
- 119- **Porcel JM, Vives M and Cao G. (2004):** Measurement of probrain natriuretic peptides in pleural fluid for the diagnosis of pleural effusion due to heart failure. Am. J. Med, 116: 417-20.
- 120- **Jenkinson SG, and Banschbach MW. (1993):** Radio-immunoassay determination of prostaglandin Endocrinal. Dis; 599: 177-256.
- 121- **Saleh ASA. (1992):** Study of fibronectin in pleural effusion. Thesis submitted for partial full fillment of master degree in chest disease and tuberculosis. Cairo university. P. 213-215.
- 122- **Domej W, Tilz GP, Demel U, Rabold T and Laung IK. (2002):** Diagnostic value of cystatin-C in pleural effusions associated with renal failure. Europ respire, J; 18: 3205.
- 123- **Hunder GG, MC Duffie FC, and Hepper NGG. (1972):** Pleural fluid complement in systemic lupus erythomatosus and rheumatoid arthritis. Ann Intern Med; 76: 357.
- 124- **Hella JT, Schrohenloher RE and Volanakis J. (1980):** Immune complexes and other laboratory features of pleural effusion. Ann Intern Med; 92: 748.
- 125- **Andrews BS, (1981):** Complexes in pathogenesis of pleural effusion. Am rev respire dis; 24: 115.
- 126- **Levine H, (1968):** Rheumatoid factor in non rheumatoid effusion. Ann Intern Med; 69: 487.

- 127- **Dewit D, Martens G, Steyen L. (1992):** A comparison between polymerase chain reaction and conventional procedures for diagnosis of tuberculous effusion. *Tuber lung dis*; 73: 262-267.
- 128- **Shimokata K, Saka H and Murate T, (1991):** Cytokine content in pleural effusion: Comparison between tuberculous and carcinomatous pleurisy. *Chest*; 99: 1103.
- 129- **Kamal A, Mohammed S, Najm N, Mubarak K and Antony V. (1998):** Mycobacterium mediated chemokine expression on pleural mesothelial cells. *J infect Med*; 179: 1450-6.
- 130- **Pace E, Melis M and Profiya M, (1999):** IL-8 induced lymphocytes chemotaxis into the pleural effusion. *Am J. respire Med*; 159: 1592-9.
- 131- **Gerald L, Baum and Emanuel Wolinsky. (1994):** Textbook of pulmonary diseases: Pleural fluid dynamics and the diagnosis of pleural diseases. Vol. (3) 1838-1848.
- 132- **Shinnick TM. (1987):** The 65-Kiledation antigen of M. tuberculosis. *J. Bacterial*; 169: 1080.
- 133- **Porter J and Gamet CT. (1990):** Source of contamination of PCR assey. *Loncet*; 335: 1220.
- 134- **Show R. (1994):** Polymerase chain reaction, clinical tuberculosis edited by P.D.O. Davies chem. And Hall medical Madras. 16:123.
- 135- **Bates SE, Longs DL and Past RC. (1987):** Clinical applications of serum tumour markers in cancer diagnosis and management. *J Oncol*; 14: 1.
- 136- **Ardic SW, Yildrim Z, Sevgi E, Firat H, Toker HY and Altinors M. (2001):** Diagnostic value of CA-125 in pleural effusions, *Europ Respire J*. 18: 3865.

- 137- **Gravrilouski M, Boskovska M, Arosvski M, Caparevskat and Kaeva B. (2001):** Diagnostic value of CA-19-9 in malignant effusion. *Europ Respire. J.*; 18: 3875.
- 138- **Butch AW (1992):** Tumour markers in Bishop ML, Dubin Engel Krik JL (eds): *Clinical chemistry principles, procedures correlations* 3 rd ed. New York, Lippincott pp; 483-500.
- 139- **Hausheer FH and Yarbo JW. (1992):** Diagnosis and treatment of malignant pleural effusions. *Seminar oncol*; 12: 54-72.
- 140- **Jankowska R, Porebaska J, Dyla F and szeligaw. (2001):** VEGF in malignant and tuberculous pleural effusions. *Europe Respire J.*; 18: 39-75.
- 141- **Hyates DH, Corrin B, and Stidolph PN. (1997):** Malignant mesothlioma. *Thorax*; 52 (6): 507-512.
- 142- **Nance KV, Shermer RW, and Askin FB. (1991):** Diagnostic efficacy of pleural biopsy as compared with that of pleural fluid examination. *Mod Rathol*; 4: 320-4.
- 143- **Boutin C, Reg F and Villat JR. (1995):** Prevention of malignant seeding after invasive diagnostic procedures in patients with pleural mesothlioma. A randomized trial of local radiotherapy. *Chest* 108: 754-8.
- 144- **Maskell NA, Glesson FV and Davies RJO. (2003):** Standard pleural biopsy versus CT-guided needle biopsy for the diagnosis of pleural effusion; *Clin Cancer. Resp*; 19: 2157-2156.
- 145- **Harris RJ, Kavuru MS and Rice TW, (1995):** The diagnostic and therapeutic utility of thoracoscopy. A review; *Chest*; 108: 824-41.
- 146- **Boutin C, Villat JR, Cargnion P and Farisse P. (1981):** Thoracoscopy in malignant pleural effusion *Am Re Respire Dis*; 124: 588.

- 147- **Loddenkemper R. (1998):** The thoracoscopy: state of the art. Eur respire J.; 11: 312-21.
- 148- **Viskum K and Enk B. (1981):** Complication of thoracoscopy Poumon Coeur; 37: 25-8.
- 149- **Feinsilver SH, Barrow AA and Braman SS. (1986):** Fiberoptic bronchoscopy and pleural effusion of unknown origin Chest; 98:516-9.
- 150- **Wakabayashi A. (1991):** Expanded application of diagnostic and therapeutic thoracoscopy. J thorac cardiovas Surg; 102: 721-723.
- 151- **Halafawy A. (2001):** Role of medical fiberoptic thoracoscopy in the diagnosis of pleural effusions: thesis submitted for partial fulfillment of MD degree in chest disease and tuberculosis.
- 152- **Ryan CT, Ragerers RF, Unni KK and Hepper NC. (1981):** Role of thoracotomy in patients with pleural effusions of undeteremined cause. Moyog clin proc; 56: 145.
- 153- **Scard J. (1984):** Recomonded methods for the deteremination of enzymes in the blood. Clin Lab. Inves; 33: 291-306.
- 154- **Burits A and Ashwood RE. (1994):** Analytical techniques and instrumentation. Tietz textbook of clinical chemistry, 2nd ed; 9: 228-292.
- 155- **Rosner B (1988):** Fundamentals of biostatistics. 2nd ed. Boston: PWS, 306.
- 156- **Light RW. (2007):** Pleural effusions: The separation of transudates and exudates. Egy J Bronch, Vol I, 8-11.
- 157- **Hamm H, Brohan U and Bohmer R. (1987):** Cholesterol in pleural effusions. A diagnostic aid. Chest, 92: 296-32.
- 158- **Costa M, Quiroga T and Cruze. (1995):** Measurement of pleural fluid cholesterol and lactate dehydrogenase. A simple accurate

- set of indicators for separating transudates from exudates. Chest; 108: 1260-3.
- 159- **Yetkino O, Tek I and Kaya A. (2006):** A simple laboratory measurement for discrimination of transudative and exudative pleural effusions: Pleural viscosity. Respir Med; 100: 1286-90.
- 160- **Alexandrakis MG, Kyriakou D and Alexandraki R. (2002):** Pleural interleukin-1 beta differentiating transudates and exudates. Respiration; 69: 201-6.
- 161- **Garcia-Pachon E, Padilla. Naves I and Sanchez JF. (1996):** Pleural fluid to serum cholinesterase ratio for the separation of transudates and exudates. Chest. 110: 97-101.
- 162- **Heffner JE, Sahn SA and Brown LK. (2002):** Multi likeli ratios for identifying exudative pleural effusions. Chest, 121: 1916-20.
- 163- **Joseph J, Badrinath P, Basran GS and Sash S.A. (2001):** Is albumin gradient better than pleural LDH in the diagnostic separation of pleural effusion ? BMC Pulmonary medicine; 2:1.
- 164- **Romero-Candiera S, Fernandez C and Martin C. (2001):** Influence of diuretics on the concentration of proteins and other components of pleural transudates in patients with heart failure. Am J ed. 110: 681-6.