

Bölüm 2

PERITONEAL SERÖZ LEZYONLAR

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“Periton ve submezenşim ayrıcalıklı özelliği nedeniyle endometriozis başta olmak üzere klinik pratığımızda belki çok karşılaşmadığımız birçok lezyona öncülük etmektedir. Periton üzerine dökülen veya düşen canlı, cansız birçok vücut sıvısı, organ ekleri ve debrilere ev sahipliği yapmakta oldukça cömert davranışır. Endometriozisi anlayabilmek için periton ve mikroçevresinde meydana gelen diğer lezyonlar hakkında bilgi sahibi olmak endometriozise temel ve klinik yaklaşımımızı daha da farklı kıracaktır”. **Editorial**

Giriş

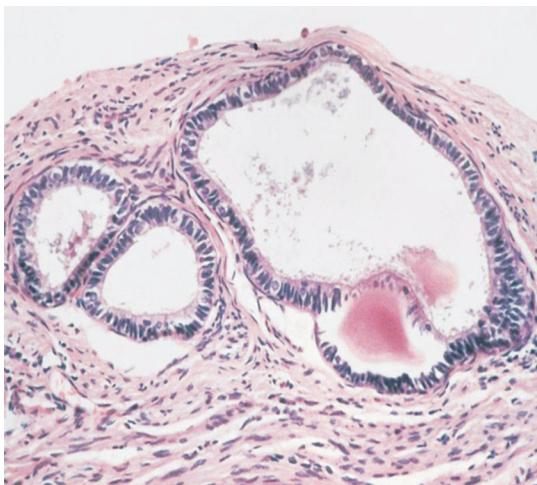
Peritonun seröz lezyonları non-neoplastik ve neoplastik lezyonları içermekte olup, bunlar overde var olan karşılıklarının morfolojik analoglarıdır.

ENDOSALPHİNGİOZİS

Endosalphingiozis tanımı tipik olarak periton ve subperitoneal dokularda bulunan tubal tipte epitelle döşeli benign glandlar için kullanılır. Bu bozukluk genellikle doğurgan çağdaki kadınlarda görülmekte olup çalışmalarla ortalama yaş 29.7 olarak bildirilmiştir (1), ancak postmenopozal kadınlarda da görülen vakalar mevcuttur. Endosalphingiozis operasyon sırasında veya daha sık olarak mikroskopik incelemelerde saptanan insidental bir bulgudur. Zinsser ve Wheeler retrospektif bir çalışmada cerrahi olarak çıkarılmış omentumların %12.5’inde

endosalphingiozis bulmuşlardır, fakat bu durum prospektif olarak omentumlar incelendiğinde ikiye katlanmıştır (1). Endosalphingiosis X-ray filmlerde multiple ince kalsifikasiyonlar şeklinde, cul-de-sac sıvısında, peritoneal yıkamalarda (2) ya da servikal Papanicolaou smearlarda (3) psammom cisimleri şeklinde saptanabilir. Ultrasonografik incelemelerde yumurtalıkların etrafında ekojenik odakçıklar olarak görülebilir. Bilgisayarlı tomografide multipl granüler kalsifikasiyon gösteren nodüller olarak izlenir ancak bunları miliyer tüberküloz ve peritoneal karsinomatozisten ayırmak mümkün değildir. Bazen kadın genital sistemin serozal yüzeylerinde paraovaryan alanda ve mesane, kolon, appendiks gibi ekstragenital lokalizasyonlarda kitle benzeri lezyonlar oluşturabilir. Ultrasonografide bu lezyonlar ekspansil veya infiltratif, hiperekoik, solid veya kistik adneksiyel kitle olarak izlenebilir. Bilgisayarlı tomografide iyi sınırlı veya sınırları net ayırlamayan, değişik oranlarda kistik ve solid komponentler içeren pelvik yumuşak doku kitlesi olarak görülebilir ve bu bulgularla hastalar radikal cerrahiye gidebilir. Bu vakalarda görüntüleme eşliğinde biyopsi yararlı olabilir.

Endosalphingiozisin çoğu araştırmacı tarafından sekonder müllerian sistem orjinli olduğu düşünülmekte birlikte kronik salpenjitte dökülen tubal epitelin implantasyonu ile endosalphingiozis arasında ilişki bulunması, bu durumun bazı vakalarda olası bir histolojik mekanizma olabileceğini göster-



Resim3: Tubalepitelledöşeli endosalpinghiozis odağı (H&E, X200).

Kaynaklar (Peritoneal Seröz Lezyonlar)

1. Zinsser KR, Wheeler JE. Edosalphingiosis in the omentum. A study of autopsy and surgical material. Am J Surg Pathol 1982;6:109-117
2. Sidaway MK, Silverberg SG. Endosalphingiosis in female peritoneal washings: a diagnostic pitfall. Int J Gynecol Pathol 1987;6:340-346
3. Kern SB. Prevalence of psammoma bodies in Papanicolaou-stained cervicovaginal smears. Acta Cytol 1991;35:81-88
4. McCaughey WTE, Kirk ME, Lester W et al. Peritoneal epithelial lesions associated with proliferative serous tumours of the ovary. Histopathology (Oxf) 1984;8:195-208
5. Copeland LJ, Silva EG, Gerhenson DM et al. The significance of müllerian inclusions found at second-look laparotomy in patients with epithelial ovarian neoplasms. Obstet Gynecol 1988;71:763-770
6. Clement PB, Young RH. Tumor-like manifestations of florid cystic endosalpingiosis: a report of four cases including the first reported cases of mural endosalpingiosis of the uterus. Am J Surg Pathol 1999;23:166-175
7. Bell DA, Scully RE. Serous borderline tumors of the peritoneum. Am J Surg Pathol 1990;14:230-239
8. Carrick KS, Milvenan JS, Albores-Saavedra J. Serous tumor of low malignant potential arising in inguinal endosalpingiosis. Int J Gynecol Pathol 2003;22:412-415
9. McCoubrey A, Houghton O, McCallion K et al. Serous adenocarcinoma of the sigmoidmesentery arising in cystic endosalpingiosis. J Clin Pathol 2005;58:1221-1223
10. Biscotti CV, Hart WR. Peritoneal serous micro-papillomatosis of low malignant potential (serous borderline tumors of the peritoneum). A clinicopathologic study of 17 cases. Am J Surg Pathol 1992;16:467-475
11. Weir M, Bell DA, Young RH. Grade 1 peritoneal serous carcinomas. A report of 14 cases and comparison with 7 peritoneal serous psammocarcinomas and 19 peritoneal serous borderline tumors. Am J Surg Pathol 1998;22:849-862
12. Elmore LW, Sherman ME, Seidman JD et al. P53 expression and mutational status of primary peritoneal micropapillary serous carcinoma (abstract). Mod Pathol 2000;13:124A
13. Gilks CB, Bell DA, Scully RE. Serous psammocarcinoma of the ovary and peritoneum. Int J Gynecol Pathol 1990;9:110-121
14. Clement PB, Young RH. Endocervicosis of the urinary bladder: a case report of six cases of a benign müllerian lesion that may mimic adenocarcinoma. Am J Surg Pathol 1992;16:533-542
15. Lauchlan SC. The secondary müllerian system. Obstet Gynecol Surv 1972;27:133-146
16. Martinka M, Allaire C, Clement PB. Endocervicosis presenting as a painful vaginal mass: a case report. Int J Gynecol Pathol 1999;18:274-276
17. Nazeer T, Ro JY, Tornos C et al. Endocervical type glands in urinary bladder: a clinicopathologic study of six cases. Hum Pathol 1996;27:816-820
18. Young RH, Clement PB. Endocervicosis involving the uterine cervix: a report of four cases of a benign process that may be confused with deeply invasive endoservical adenocarcinoma. Int J Gynecol Pathol 2000;19:322-328
19. Lim S, Kim JY, Park K et al. Mullerianosis of the mesosalpinx: a case report. Int J Gynecol Pathol 2003;22:209-212
20. Young RH, Clement PB. Müllerianosis of the urinary bladder. Mod Pathol 1996;9:731-737
21. de Peralta MN, Delahoushey PM, Tornos CS et al. Benign retroperitoneal cysts of müllerian type: a clinicopathologic study of three cases and review of the literature. Int J Gynecol Pathol 1994;13:273-278
22. Lee I, Ching K, Pang M et al. Two cases of primary retroperitoneal mucinous cystadenocarcinoma. Gynecol Oncol 1996;63:145-15-
23. Pearl ML, Valea F, Chumas J et al. Primary retroperitoneal mucinous cystadenocarcinoma of low malignant potential: a case report and literature review. Gynecol Oncol 1996;61:150-152
24. Mikami M, Tei C, Takehara K et al. Retroperitoneal primary mucinous adenocarcinoma with a mural nodule of anaplastic tumor: a case report and literature review. Int J Gynecol Pathol 2003;22:205-208

25. Michael H, Sutton G, Roth LM. Ovarian carcinoma with extracellular mucin production: reassessment of "pseudomyxoma ovarii et peritonei". *Int J Gynecol Pathol* 1987;6:298-312
26. Seidman JD, Elsayed AM, Sabin LH et al. Association of mucinous tumors of the ovary and appendix. A clinicopathologic study of 25 cases. *Am J Surg Pathol* 1993;17:22-34
27. Bransilver BR, Ferenczy, Richard RM. Brenner tumors and Walthard cell nests. *Arch Pathol Lab Med* 1974;98:76-86
28. Mourra N, Nion I, Parc R et al. Squamous metaplasia of the peritoneum: a potential diagnostic pitfall. *Histopathology* 2004;44:621-622
29. Evans H, Yates WA, Palmer WE et al. Clear cell carcinoma of the sigmoid mesocolon: a tumor of the secondary müllerian system. *Am J Obstet Gynecol* 1990;162:161-163
30. Lee KR, Verma U, Belinson J. Primary clear cell carcinoma of the peritoneum. *Gynecol Oncol* 1991;41:259-262
31. Shia J, Erlandson R, Klimstra DS. Deciduoid mesothelioma: a report of 5 cases and literature review. *Ultrastruct Pathol* 2002;26:355-363
9. Williams LJ, Pavlick FJ. Leiomyomatosis peritonealis disseminata: two case reports and a review of medical literature. *Cancer* 1980;45:1726-1733.
10. Nguyen GK. Disseminated leiomyomatosis peritonealis: report of a case in a postmenopausal woman. *Can J Surg* 1993;36:46-48.
11. Ma KF, Chow LT. Sex cord-like pattern leiomyomatosis peritonealis disseminata: a hitherto undescribed feature. *Histopathology* 1992;21:389-391.
12. Due W, Peckartz H. Leiomyomatosis peritonealis disseminata: immunohistologic detection of estrogen and progesterone receptors in disseminated peritoneal leiomyomatosis. *Int J Gynecol Pathol* 1989;8:46-53.
13. Fuji S, Okamura H, Takenaka A et al. Histological studies of multiple subperitoneal nodules produced by prolonged administration of estrogen. *Acta Obstet Gynaecol (Japan)* 1981;33: 193-300.
14. Fujii S, Nakashima N, Okamura H et al. Progesterone-induced smooth-muscle like cells in the subperitoneal nodules produced by estrogen. Experimental approach to leiomyomatosis peritonealis disseminata. *Am J Obstet Gynecol* 1981;15:164-172.

Kaynaklar (Leiyomyomatozis)

1. Abulafia O, Angel C, Shere DM et al. Computed tomography of leiomyomatosis peritonealis disseminata with malignant transformation. *Am J Obstet Gynecol* 1993;169:52-54.
2. Atterman K, Fraser GM, Lea RH. Disseminated peritoneal leiomyomatosis. *Virchows Arch (Pathol Anat)* 1977;374:13-26.
3. Lim OW, Zegal A, Ziel HK. Leiomyomatosis peritonealis disseminata associated with pregnancy. *Obstet Gynecol* 1980;55:122-125.
4. Parmley RH, Woodruff JD, Winn K. Histogenesis of leiomyomatosis peritonealis disseminata: ultrastructural study and histogenetic consideration. *Am J Surg Pathol* 1980;53:451-456.
5. Ceccaci L, Jacobs J, Powell A. Leiomyomatosis peritonealis disseminata: report of a case in non-pregnant woman. *Am J Obstet Gynecol* 1982;144:105-109.
6. Hales HA, Peterson CM, Jones KP, Quinn JD. Leiomyomatosis peritonealis disseminata treated with a gonadotrophin-releasing hormone agonist: a case report. *Am J Obstet Gynecol* 1990;163:591-593.
7. Kuo T, London SN, Dinh TV. Endometriosis occurring in leiomyomatosis peritonealis disseminata: ultrastructural study and histogenetic considerations. *Am J Surg Pathol* 1980;4:197-204.
8. Wilson JL, Peale AR. Multiple peritoneal leiomyomas associated with a granulosa-cell tumor of the ovary. *Am J Obstet Gynecol* 1952;64:204-208.

Kaynaklar (Splenozis)

1. Buchbinder JH, Lipkoff CJ. Splenosis: Multiple peritoneal splenic implants following abdominal injury. *Surgery* 1939; 6: 927-931.
2. Overton TH. Splenosis: A cause of pelvic pain. *Am J Obstet Gynecol* 1982; 8/143: 969-970.
3. Fleming CR, Dickson ER, Harrison EG. Splenosis; Autotransplantation of splenic tissue. *Am J Med* 1976; 61: 414-419.
4. Burvin R, Durst RY, Arieh YB, Barzilay A. Splenosis in exit gunshot wound. *British J Dermatol* 1996; 135: 148-150.
5. Hathaway JM, Harley RA, Self S et al. Immunological function in posttraumatic splenosis. *Clin Immunol Immunopathol* 1995; 74/2: 143-150.
6. Zoli G, Corazza GR, D'amato G, Bartoli R et al. Splenic autotransplantation after splenectomy; tuftsin activity correlates with residual splenic function. *British J Sur* 1994; 81: 716-718.
7. Normand JP, Rioux M, Durmont M et al. Thoracic splenosis after blunt trauma; frequency and imaging findings. *AJR* 1993; 19: 739-741.
8. Hibbeln JF, Wilbur AC, Schreiner VC et al. Subcutaneous splenosis. *Clin Nucl Med* 1995; 20/7: 591-593.
9. Stovall TG, Ling FW. Splenosis: report of a case and review of literature. *Obstet. Gynecol. Surv.* 1988; 43: 69-72.