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***"General Surgical Pathology"***

**Case 1**

27 y/o 300+ pound woman with irregular periods. Patient was later given Megace with rebiopsy in three months. The process persisted.

**Dx: Atypical endometrial hyperplasia with atypia**

Histopathology of endometrial hyperplasia and endometrial carcinoma: an update. Horn LC; Meinel A; Handzel R; Einkenkel J. Ann Diagn Pathol 11(4): p297-311, 2007.

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Benign endometrial hyperplasia sequence and endometrial intraepithelial neoplasia. Mutter GL; Zaino RJ; Baak JP; Bentley RC; Robboy SJ. Int J Gynecol Pathol 26(2): p103-14, 2007.

3

Histopathologic behavior of endometrial hyperplasia during tamoxifen therapy for breast cancer. Garuti G; Cellani F; Centinaio G; Sita G; Nalli G; Luerti M. Gynecol Oncol 101(2): p269-73, 2006.

4

Which surgical procedure for patients with atypical endometrial hyperplasia? Karamursel BS; Guven S; Tulunay G; Kucukali T; Ayhan A. Int J Gynecol Cancer 15(1): p127-31, 2005.

5

Endometrial adenocarcinoma in situ in complex atypical hyperplasia: correlation with findings in subsequent hysterectomy specimen. Ventura KC; Popiolek D; Mittal K. Int J Surg Pathol 12(3): p225-30, 2004.

**Case 2**

23 y/o woman with a right ovarian neoplasm.

**Dx: Dysgerminoma ovary**

Cytokeratin and CD30 expression in dysgerminoma. Cossu-Rocca P; Jones TD; Roth LM; Eble JN; Zheng W; Karim FW; Cheng L. Hum Pathol 2006 Aug;37(8): p1015-21.

Immunohistochemistry as a tool in the differential diagnosis of ovarian tumors: an update. Baker PM; Oliva E. Int J Gynecol Pathol 2005 Jan;24(1): p39-55.

Ovarian neoplasms composed of small round cells: a review. McCluggage WG. Adv Anat Pathol 11(6): p288-96, 2004.

A case of dysgerminoma of the ovary with early carcinomatous features. Ohta Y; Suzuki T; Ikeda K; Saito K; Shiokawa A; Mitsuya T; Kushima M; Ota H. Histopathology 51(2): p269-71, 2007.

### **Case 3**

Tumor within the oviduct of a 55 y/o woman.

#### **Dx: Endometroid Ca of oviduct**

Oviductal glycoprotein, a new differentiation-based indicator present in early ovarian epithelial neoplasia and cortical inclusion cysts. Woo MM; Gilks CB; Verhage HG; Longacre TA; Leung PC; Auersperg N. Gynecol Oncol 93(2):p315-9, 2004.

Histopathological aspects of endometroid carcinoma in correlation to the state of tumoral progression in women patients during their premenopausal period. Morarescu MD; Simionescu C; Rosculescu I; Bala S; Cernea N; Patru E. Rom J Morphol Embryol 47(1):p53-8, 2006.

Cathepsin D expression in normal, hyperplastic and malignant endometrial tissue: an immunohistochemical analysis. Mylonas I; Makovitzky J; Richter DU; Jeschke U; Briese V; Friese K. Acta Histochem 105(3):p245-52, 2003.

### **Case 4**

59 y/o woman with a left ovarian mass. Tumor was metastatic to multiple abdominal sites.

#### **Dx: Clear cell adenoca of ovary**

Ovarian clear cell adenocarcinoma: a continuing enigma. Tan DS; Kaye S. J Clin Pathol 60(4):355-60, 2007.

Clear cell adenocarcinoma associated with clear cell adenofibromatous components: a subgroup of ovarian clear cell adenocarcinoma with distinct clinicopathologic characteristics. Yamamoto S; Tsuda H; Yoshikawa T; Kudoh K; Kita T; Furuya K; Tamai S; Matsubara O. Am J Surg Pathol Jul;31(7):999-1006, 2007.

Intraoperative cytology of clear cell carcinoma of the ovary. Vrdoljak-Mozetic D; Stankovic T; Krasevic M; Versa-Ostojic D; Stemberger-Papic S; Rupcic S. Cytopathology 17(6):390-5, 2006.

Lack of effective systemic therapy for recurrent clear cell carcinoma of the ovary. Crotzer DR; Sun CC; Coleman RL; Wolf JK; Levenback CF; Gershenson DM. Gynecol Oncol 105(2):404-8, 2007.

Pure-type clear cell carcinoma of the ovary as a distinct histological type and improved survival in patients treated with paclitaxel-platinum-based

chemotherapy in pure-type advanced disease. Ho CM; Huang YJ; Chen TC; Huang SH; Liu FS; Chang Chien CC; Yu MH; Mao TL; Wang TY; Hsieh CY. Gynecol Oncol 94(1):197-203, 2004.

Carcinomas of ovary and lung with clear cell features: can immunohistochemistry help in differential diagnosis? Howell NR; Zheng W; Cheng L; Tornos C; Kane P; Pearl M; Chalas E; Liang SX. Int J Gynecol Pathol 26(2):134-40, 2007.

## **Case 5**

54 y/o man with multiple previous surgical procedures in the left deltoid area. This is skin from that area.

### **Dx: Keloid left deltoid area - male**

Topical mitomycin C in the prevention of keloid scar recurrence. Sanders KW; Gage-White L; Stucker FJ. Arch Facial Plast Surg 7(3):172-5, 2005.

A primary protocol for the management of ear keloids: results of excision combined with intraoperative and postoperative steroid injections. Rosen DJ; Patel MK; Freeman K; Weiss PR. Plast Reconstr Surg 120(5):1395-400, 2007.

Defective induction of senescence during wound healing is a possible mechanism of keloid formation. Blazic TM; Brajac I. Med Hypotheses 66(3):649-52, 2006.

Keloids - a frustrating hurdle in wound healing. Rekha A. Int Wound J 1(2): p145-8, 2004.

Head and neck keloid: treatment by core excision and delayed intralesional injection of steroid. Donkor P. J Oral Maxillofac Surg 65(7): p1292-6, 2007.

## **Case 6**

An 18 y/o man developed a 0.8 cm well-circumscribed black-brown macule on his right thigh.

### **Dx: Spitz Nevus**

Spitz nevus versus malignant melanoma: spitz nevi predominate on the thighs in patients younger than 40 years of age, melanomas on the trunk in patients 40 years of age or older. Schmoeckel C; Wildi G; Schafer T. J Am Acad Dermatol 56(5):753-8, 2007.

Differentiating spitzoid melanomas from Spitz nevi through CD99 expression. King MS; Porchia SJ; Hiatt KM. J Cutan Pathol 34(7):576-80, 2007.

Spitz nevus is relatively frequent in adults: a clinico-pathologic study of 247 cases related to patient's age. Cesinaro AM; Foroni M; Sighinolfi P; Migaldi M; Trentini GP. Am J Dermatopathol 27(6):469-75, 2005.

The spectrum of Spitz nevi: a clinicopathologic study of 83 cases. Ferrara G; Argenziano G; Soyer HP; Chimenti S; Di Blasi A; Pellacani G; Peris K; Piccolo D; Rubegni P; Seidenari S; Staibano S; Zalaudek I; De Rosa G. Arch Dermatol 141(11):1381-7, 2005.

Spitz naevus: diagnostic problems and their management implications. Dahlstrom JE; Scolyer RA; Thompson JF; Jain S. Pathology 36(5):452-7, 2004.

## **Case 7**

33 y/o woman with a nodule in the skin of the right thigh.

### **Dx: Eccrine Hidradenoma skin adnexa**

Cytomorphological features of nodular hidradenoma highlighting eccrine differentiation: a case report. Agarwal S; Agarwal K; Kathuria P; Jain M; Chauhan DS; Prakash O. Indian J Pathol Microbiol 49(3):411-3, 2006.

Malignant hidradenoma: a report of two cases and review of the literature. Liapakis IE; Korkolis DP; Koutsoumbi A; Fida A; Kokkalis G; Vassilopoulos PP. Anticancer Res 26(3B):2217-20, 2006.

Clear cell hidradenoma. Gilaberte Y; Grasa MP; Carapeto FJ. Comment On: J Am Acad Dermatol. 42(4):693-5, 2000. and J Am Acad Dermatol 54(5 Suppl):248-9, 2006.

Staining of eccrine and apocrine neoplasms and metastatic adenocarcinoma with IKH-4, a monoclonal antibody specific for the eccrine gland. Ishihara M; Mehregan DR; Hashimoto K; Yotsumoto S; Toi Y; Pietruk T; Mehregan AH; Mehregan DA. J Cutan Pathol 25(2):100-5, 1998.

Clear cell hidradenoma in a young girl. Faulhaber D; Worle B; Trautner B; Sander CA. Comment In: Am Acad Dermatol 54(5 Suppl):248-9, 2006. J Am Acad Dermatol 42(4):693-5, 2000.

## **Case 8**

87 y/o man with plaques on his skin. This is from the left thigh.

### **Dx: Mycosis fungoides**

Revisions to the staging and classification of mycosis fungoides and Sezary syndrome: a proposal of the International Society for Cutaneous Lymphomas (ISCL) and the cutaneous lymphoma task force of the European Organization of Research and Treatment of Cancer (EORTC). Olsen E; Vonderheid E; et al. Comment In: Blood 2007 110(6):1708-9, 1713-22, 2007.

Usefulness of flow cytometry in the diagnosis of mycosis fungoides. Oshtory S; Apisarnthanarax N; Gilliam AC; Cooper KD; Meyerson HJ. J Am Acad Dermatol 57(3):454-62, 2007.

Histologic mimickers of mycosis fungoides: a review. Reddy K; Bhawan J. J Cutan Pathol 34(7):519-25, 2007.

Defining early mycosis fungoides. Pimpinelli N; Olsen E; et al. J Am Acad Dermatol 53(6):1053-63, 2005.

Mycosis fungoides and the Sezary syndrome. Foss F. Curr Opin Oncol 16(5):421-8, 2004

Mycosis fungoides-type cutaneous T-cell lymphoma and neutrophilic dermatosis. Franck N; Carlotti A; Gorin I; Buffet M; Mateus C; Dupin N. Arch Dermatol 141(3):353-6, 2005.

Histopathologic features of early (patch) lesions of mycosis fungoides: a morphologic study on 745 biopsy specimens from 427 patients. Massone C; Kodama K; Kerl H; Cerroni L. Am J Surg Pathol 29(4):550-60, 2005.

### **Case 9**

A 47 y/o man had dysphagia and sharp substernal pain for 5 weeks prior to admission. No vomiting or hematemesis. Esophagoscopy showed multiple 5-10 mm polyps at the 25-35 cm level. Esophagogram showed a 10-12 cm long fungating mass in the middle third of the esophagus.

### **Dx: Esophageal melanoma**

[Primary malignant melanoma of the esophagus], [Melanome primitif de l'oesophage.] Benferhat S; Lessourd A; Levy P; Feydy P; Has H; Carton S. Gastroenterol Clin Biol 27(1):113-5, 2003.

Management of malignant stricture of the esophagogastric junction with a newly designed self-expanding metal stent with an antireflux mechanism. Shim CS; Jung IS; Cheon YK; Ryu CB; Hong SJ; Kim JO; Cho JY; Lee JS; Lee MS; Kim BS. Endoscopy 37(4):335-9, 2005.

Early stage primary malignant melanoma of the esophagus. Kido T; Morishima H; Nakahara M; Nakao K; Tanimura H; Nishimura R; Tsujimoto M. Gastrointest Endosc 51(1):90-1, 2000.

Primary malignant melanoma of the esophagus: radiographic findings in seven patients. Yoo CC; Levine MS; McLarney JK; Lowry MA. Radiology 209(2):455-9, 1998.

[Primary malignant melanoma of the esophagus], [Das primare maligne Melanom des Oesophagus.] Friedrich T; Emmrich P. Zentralbl Chir;123(3):276-9, 1998.

### **Case 10**

A 67 y/o woman noticed a mass in the vaginal introitus. A 4 cm firm, tender mobile mass arising by a wide pedicle was found in the posterior aspect of the urethra. It was hemorrhagic, 3.5 cm in greatest diameter, and was multi-nodular. The tumor recurred one year later and she died from

pneumonia. No autopsy.

### **Dx: Urethral melanoma**

Primary malignant melanoma of the male urethra. Watanabe J; Yamamoto S; Souma T; Hida S; Takasu K. Int J Urol 7(9):351-3, 2000.

Primary malignant melanoma of the urethra: a clinicopathologic analysis of 15 cases. Oliva E; Quinn TR; Amin MB; Eble JN; Epstein JI; Srigley JR; Young RH. Am J Surg Pathol 24(6):785-96, 2000.

[Primary malignant melanoma of the female urethra] [Primarni maligni melanom zenske uretre.] Markovic-Puac L; Reljic A; Kruslin B. Lijec Vjesn 121(3):98-9, 1999.

Primary malignant melanoma of the female urethra. Yoshizawa T; Kawata N; Sato K; Hirakata H; Igarashi T; Ichinose T; Yamaguchi K; Takahashi S. Urology 70(6):1222.e13-6, 2007

Melanoma of the penis, scrotum and male urethra: a 40-year single institution experience. R. Sanchez-Ortiz, S. F. Huang, P. Tamboli, V. C. Prieto, G. Hester and C. A. Pettaway. Comment On: J Urol. 2005 173(6):1958-65 & J Urol 2006 175(4):1574-5; author reply 1575-6  
Hankins CL; Weston P

Outcome of surgical treatment for primary malignant melanoma of the female urethra. Di Marco DS; Di Marco CS; Zincke H; Webb MJ; Keeney GL; Bass S; Lightner DJ. J Urol 171(2 Pt 1): p765-7, 2004.