

REFERENCES

REFERENCES

- *Adewumi O, Aflatoonian B, Ahrlund-Richter L, et al.:* Characterization of human embryonic stem cell lines by the International Stem Cell Initiative. *Nat. Biotechnol.* 25 (7): 803–816; 2007.
- *Akasaka, Y; Saikawa, Y; Fujita, K et al.:* Expression of a candidate marker for progenitor cells, Musashi-1, in the proliferative regions of human antrum and its decreased expression in intestinal metaplasia. *Histopathology* . 47(4):348-356; 2005.
- *Amant F, Moerman P, Neven P et al. :* Endometrial cancer. *Lancet.* 366:491–505; 2005.
- *Anderson , Korbling M and Estrov Z :* Adult stem cells for tissue repair – A new therapeutic concept? *N Engl J Med.* 349:570–582;2005.
- *Andras N, Marina G, Kristina V et al.:* De Novo Isolation of Embryonic Stem (ES) Cell Lines from Blastocysts. *Cold Spring Harb.*10:1101-1115; 2006.
- *Andrian, Guasch G, Greco V et al.:* Defining the epithelial stem cell niche in skin. *Science.* 303:359–363;2006.
- *Aoi, Ambros RA and Kurman RJ:-* Identification of patients with stage I uterine endometrioid adenocarcinoma at high risk of recurrence by DNA ploidy, myometrial invasion and vascular invasion. *Gyn Oncol.* 45: 235-9; 2007.
- *Azziz R , Woods KS , Reyna R , et al. :* The prevalence and features of the polycystic ovary syndrome in an unselected population. *J Clin Endocrinol Metab* . 89: 2745-2747; 2004.
- *Banrabei VM, Cochrane BB, Aragaki AK, et al:* Menopausal symptoms and treatment-related effects of estrogen and progestin in

-
- the Women's Health Initiative. *Obstet Gynecol.* 105:1063-1064; 2006.
- *Barker N, van Es JH, Kuipers J et al.*: Identification of stem cells in small intestine and colon by marker gene *Lgr5*. *Nature.* 449:1003–1007; 2007.
 - *Barrilleaux B, Phinney DG, Prockop DJ et al.* .: Review: ex vivo engineering of living tissues with adult stem cells. *Tissue Eng.* 12 (11): 3007–3019; 2006.
 - *Beachy PA, Karhadkar SS and Berman DM* : Tissue repair and stem cell renewal in carcinogenesis. *Nature.* 432:324–331; 2004.
 - *Beckmann J, Scheitza S, Wernet P et al.* . : Asymmetric cell division within the human hematopoietic stem and progenitor cell compartment: identification of asymmetrically segregating proteins. *Blood* . 19 (12): 5494–5501; 2007.
 - *Behnamfar F , Khomehchian T , Mazoochi T et al.* : Diagnostic value of endometrial sampling with pipelle suction curettage for identifying endometrial lesions in patients with abnormal uterine bleeding. *J Res Med Sci* . 3: 21 – 23; 2004.
 - *Benevolo M, Mariani L, Vocaturo G et al.* .:Independent prognostic value of potential immunocytopathology in endometrial carcinoma. *Am J Surg Pathol*, 24: 241-247; 2000.
 - *Beral V, Bull D and Reeves G*: Endometrial cancer and hormone replacement therapy in the Million Women Study. *Lancet.* 65(9470):1543-1551; 2005.
 - *Berdnik D, Tytreo T, Gonzalez M et al.*: The endocytic protein α -Adaptin is required for numb-mediated asymmetric cell division in *Drosophila*. *Dev Cell.* 3:221–231; 2002.
 - *Bergman L, Beelen ML, Gallee MP, et al* : Risk and prognosis of endometrial cancer after tamoxifen for breast cancer. Comprehensive Cancer Centres' ALERT Group. Assessment of Liver and Endometrial
-

-
- cancer Risk following Tamoxifen. *Lancet*. 356(9233):881-887; 2000.
- *Bjerknes M& Cheng H.*: Gastrointestinal stem cells. II. Intestinal stem cells. *Am J Physiol Gastrointest Liver Physiol* .289: 381–387; 2005.
 - *Blumel J, Castelo-Branco C, Chedraudi P et al.*: Patients’ and clinicians’ attitudes after the Women’s Health Initiative study. *Menopause*. 11:57-58; 2004.
 - *Bobryshev Y.V., Freeman A.K., Botelho N.K., et al.,*: Expression of the putative stem cell marker Musashi-1 in Barrett's esophagus and esophageal adenocarcinoma. *International Society for Diseases of the Esophagus*.32(5):342-348:2010.
 - *Boyer LA, Lee TI, Cole MF, et al.*: Core transcriptional regulatory circuitry in human embryonic stem cells. *Cell*. 122 (6): 947–956; 2005.
 - *Brachtel EF, Sanchez EC, Moreno BG, et al.*: Distinct molecular alterations in complex endometrial hyperplasia (CEH) with and without immature squamous metaplasia (squamous morules). *Am J Surg Pathol*. 29(10):1322–1329; 2005.
 - *Bradlow, Iwasaki H, Kikuchi M et al.*: Characteristics of cloned cells of mixed mullerian tumor of the human uterus. Carcinoma cells showing myogenic differentiation in vitro. *Cancer*. 71: 3065–3075; 2006.
 - *Brenner H*: Long-term survival rates of cancer patients achieved by the end of the 20th century: a period analysis. *Lancet*. 60(9340):1131-1135; 2002.
 - *Bulun SE, Economos K, Miller D et al.*: CYP19 (aromatase cytochrome P450) gene expression in human malignant endometrial tumors. *J Clin Endocrinol Metab* . 79: 1831–1834; 2004.
 - *Caduff RF, Johnston CM and Frank TS*: Mutations of the Ki-ras oncogene in carcinoma of the endometrium. *Am J Pathol* . 146: 182–
-

- 188; 2008.
- *Cawkwell L*: Molecular genetics of cancer. In Anthony PP and MacSween RNM (eds), Recent advances in histopathology. Livingstone. 16:1- 20; 2004.
- *Chambers I, Colby D, Robertson M, et al.*: Functional expression cloning of Nanog, a pluripotency sustaining factor in embryonic stem cells. *Cell* 113 (5): 643–655; 2003.
- *Charrin, S; Le Naour F, Oualid M et al.* : The major CD9 and CD81 molecular partner. Identification and characterization of the complexes. *J. Biol. Chem.* 276 (17): 14329–14337;2001.
- *Chavum, Clurman BE and Groudine M*: Identification of stromal cell precursors in human bone marrow by a novel monoclonal antibody, STRO-1. *Blood*. 78:55–62; 2006.
- *Chen YL, Cheng WF, Lin MC et al.*: Concurrent endometrial carcinoma in patients with a curettage diagnosis of endometrial hyperplasia. *J Formos Med Assoc.* 108(6):502-507; 2009.
- *Cho NH, Park YK, Kin YTK et al.*: Lifetime expression of stem cell markers in the uterine endometrium. *Fertil Steril.* 81:403–407; 2004.
- *Clark TJ, Mann CH, Shah N et al.*: Accuracy of outpatient endometrial biopsy in the diagnosis of endometrial cancer: a systematic quantitative review. *BJOG: An Int J Obstet & Gynaecol* . 109: 313-314; 2002.
- *Clarke MF and Fuller M*: Stem cells and cancer: two faces of eve. *Cell*. 124:1111–1115; 2006.
- *Clarke MF, Dick JE, Dirks PB et al.*: Cancer Stem Cells- erspectives on Current Status and Future Directions: AACR Workshop on Cancer Stem Cells. *Cancer Research.* 39:3-14; 2006.
- *Clarke RB and Smith GH*: Stem cells and tissue homeostasis in mammary glands. *J Mammary Gland Biol Neoplasia* .10:1–3; 2005.

-
- *Clarke RB, Spence K, Anderson E et al.*: A putative human breast stem cell population is enriched for steroid receptor-positive cells. *Dev Biol.* 277:443–456; 2005.
 - *Clement PB & Young RH.*: Endometrioid carcinoma of the uterine corpus: a review of its pathology with emphasis on recent advances and problematic aspects. *Adv Anat Pathol.* 9:145–184; 2002.
 - *Cohen I* : Endometrial pathologies associated with postmenopausal tamoxifen treatment . *Gynecol Oncol* . 94 : 256-256; 2004 .
 - *Cooke PS, Buchanan DL, Young P et al.*: Stromal estrogen receptors mediate mitogenic effects of estradiol on uterine epithelium. *Proc Natl Acad Sci U S A.* 94: 6535–6540; 2005.
 - *Deligeoroglou E, Michailidis E and Creatsas G*: Oral contraceptives and reproductive system cancer. *Ann N Y Acad Sci.* 997:199-208; 2003.
 - *Doetsch F.*: A niche for adult neural stem cells. *Curr Opin Genet Devel* 13:543–550; 2003.
 - *Dor Y and Melton DA* : How important are adult stem cells for tissue maintenance? *Cell Cycle.* 3:1104–1106; 2004.
 - *Easton, Mankani M, Brahim J et al.*: Postnatal human dental pulp stem cells (DPSCs) in vitro and in vivo. *Proc Natl Acad Sci USA* .97:13625–13630; 2006.
 - *Eckfeldt CE, Mendenhall EM and Verfaillie CM*: The molecular repertoire of the ‘almighty’ stem cell. *Nat Rev Mol Cell Biol.* 6: 726–737; 2005.
 - *Ecochard R and Gougeon A .*:Side of ovulation and cycle characteristics in normally fertile women. *Human reproduction.* 15 (4): 752-755; 2000.
 - *Edling CE & Hallberg B* : c-Kit--a hematopoietic cell essential receptor tyrosine kinase. *Int. J. Biochem. Cell Biol.* 39 (11): 1995–
-

-
- 1998; 2007.
- *Enrique BG, Carmen DS, Antonio C et al.*: Association Between the Menses and Suicide Attempts: A Replication Study. *Psychosomatic Medicine* .65 (2): 237–44; 2003.
 - *Eschelman JR & Markowitz SD.* : Microsatellite instability in inherited and sporadic neoplasms. *Curr Opin Oncol* .7: 83–89; 2005.
 - *Fan LF, Dong WG, Jiang CQ et al.*: Expression of putative stem cell genes Musashi-1 and beta1-integrin in human colorectal adenomas and adenocarcinomas. *Int J Colorectal Dis.* 25(1):17-23; 2010.
 - *Farhi DC, Nosanchuk J and Silverberg SG*: Endometrial adenocarcinoma in women under 25 years of age. *Obest Gynecol.* 68: 741-5; 2006.
 - *Ferenczy A& Gelfand M*: The biologic significance of cytologic atypia in progestogen-treated endometrial hyperplasia. *Am J Obstet Gynecol* . 160:126-140;2003.
 - *Ferenczy A*: Chromosome 3p14 homozygous deletions and sequence analysis of FRA3B. *hum Mol Genet.* 6: 193-203; 2009.
 - *Fillips, Booth C, O'Shea JA et al.* : Maintenance of functional stem cells in isolated and cultured adult intestinal epithelium. *Exp Cell Res.* 249:359–366; 2006.
 - *Ford, Weber JM, Olson DP et al.* : Osteoblastic cells regulate the haematopoietic stem cell niche. *Nature.* 425:841–846;2006.
 - *Fox*: Association between teen-age obesity and cancer in 56,111 women: all cancers and endometrial carcinoma. *Prev Med.* 5: 20; 2004.
 - *Fujita M, Shroyer KR, Markham NE, et al*: Association of human papillomavirus with malignant and premalignant lesions of the uterine endometrium. *Hum Pathol.* 26: 650-658; 2005.
 - *Fu-Shing Liu*: *Molecular Carcinogenesis of Endometrial Cancer.* (1):
-

-
- 26-32 ;2007.
- *Gardner R.*: Stem cells: potency, plasticity and public perception". *Journal of Anatomy*. 200 (3): 277–282; 2002.
 - *Gardner R*: Isolation and characterization of functional mammary gland stem cells. *Cell Prolif* . 36:17–32; 2003.
 - *Gargett BE & Chan RW.*: Endometrial stem/progenitor cells and proliferative disorders of the endometrium.*Minerva Ginecol*. 58(6):511-526; 2006.
 - *Gargett CE* : Identification and characterisation of human endometrial stem/progenitor cells. *Aust NZ J Obstet Gynaecol*. 46:250–253; 2006.
 - *Gargett CE, Polyak K and Hahn WC* : Roots and stems: stem cells in cancer. *Nat Med*. 12:296–300;2004.
 - *Gargett CE. Chan RW. Schwab KE*: Endometrial stem cells. *Curr pin Obstet Gynecl*. 19(4):377-383; 2007.
 - *Gemer O, Uriev L, Voldarsky M et al.*: The reproducibility of histological parameters employed in the novel binary grading systems of endometrial cancer. *Eur J Surg Oncol*. 35(3):247-251; 2009.
 - *Gerrard L. Cui W, Clark AJ, Zhao D*: Stably transfected human embryonic stem cell clones express OCT4-specific green fluorescent protein and maintain self-renewal and pluripotency. *Stem cells*.23 (1):124-133; 2005.
 - *Gimble JM, Katz AJ and Bunnell BA.*: Adipose-derived stem cells for regenerative medicine. *Circ Res* . 100 (9): 1249–1260; 2007.
 - *Goldstein SR.*:The role of transvaginal ultrasound or endometrial biopsy in evaluation of menopausal endometrium . *Int J Gynecol Pathol* .201(1):5-11;2009.
 - *Gotte M, Wolf M, Staebler A et al.* : Increased expression of the adult stem cell marker Musashi-1 in endometriosis and endometrial
-

-
- carcinoma. *J Pathol.* 215:317–329; 2008.
- *Guasch G and Fuchs E .:* Mice in the world of stem cell biology. *Nat Genet.* 37:1201–1206; 2005.
 - *Gupta JK, Chien PF, Voit D, et al ;* Ultrasonographic endometrial thickness for diagnosing endometrial pathology in women with postmenopausal bleeding: a meta-analysis. *Acta Obstet Gynecol Scand.* 81(9):799-816; 2002 .
 - *Gurin CC, Federici MG, Kang L et al.:* Causes and consequences of microsatellite instability in endometrial carcinoma. *Cancer Res.* 59: 462–466; 2007.
 - *Hale GE, Hughes CL and Cline JM.:* Endometrial cancer: hormonal factors, the perimenopausal “window at risk”, and isoflavones. *J Clin Endocrinol Metab.* 87: 3 -5; 2006.
 - *Hayes MP, McPherson CP, Sellers TA et al.:* PIK3CA and PTEN mutations in uterine endometrioid carcinoma and complex atypical hyperplasia. *Clin Cancer Res.* 12:5932-5938; 2006.
 - *Hayward P, Kalmar T and Martinez AA.:* Wnt/Notch signaling and information processing during development. *Development.* 135:411–424; 2008.
 - *Hendrickson M, Ross J, Eifel P et al.:* Uterine papillary serous carcinoma: a highly malignant form of endometrial adenocarcinoma. *Am J Surg Pathol .* 6: 93–108; 2008.
 - *Hernandez E:* Endometrial adenocarcinoma: a primer for the generalist. *Obstet Gynecol Clin North Am.* 28(4):743-57; 2001.
 - *Hernandez-RD, Cravioto-VA and Barragan-RA:* Rectal endometriosis: entity difficult to diagnose. *J Formos Med Assoc.* 73(3):159-162; 2008.
 - *Herzog AG, Harden C and, Liporace J.:* Frequency of catamenial seizure exacerbation in women with localization-related epilepsy.
-

- Annals of neurology .56 (3): 431–434; 2004.
- *Hofman, Chung LW, Shannon JM et al.*: Hormone-induced morphogenesis and growth: role of mesenchymal-epithelial interactions. *Recent Prog Horm Res* .39:559–598;2005.
 - *Holliday LS, Lu M, Lee BS, et al.*: The amino-terminal domain of the B subunit of vacuolar H⁺-ATPase contains a filamentous actin binding site. *J Biol Chem*. 275: 32331–32337; 2000.
 - *Howard AZ, Robert LG and Marcus J*: Endometrial Hyperplasia. (2nd ed). Pp32-67; 2007.
 - *Hubbard S & Gargett C .*: A cancer stem cell origin for human endometrial carcinoma?. *Reproduction*. 20:113-119; 2010
 - *Hubbard SA, Friel AM, Kumar B et al.*: Evidence for cancer stem cells in human endometrial carcinoma. *Cancer Res*. 1; 69(21):8241-8248; 2009.
 - *Ignar TD, Risinger JI, Dent GA et al.*: Mutations of the Ki-ras oncogene in endometrial carcinoma. *Am J Obstet Gynecol* . 167: 227–232; 2008.
 - *Imai T, Tokunaga A, Yoshida T et al.*: The neural RNA-binding protein Musashi 1 translationally regulates mammalian numb gene expression by interacting with its mRNA. *Mol Cell Biol*. 21:3888–3900; 2001.
 - *Izadi-Mood N, Khaniki M, Irvanloo G et al.*: Determining the inter- and intraobserver reproducibility of the diagnosis of endometrial hyperplasia subgroups and well-differentiated endometrioid carcinoma in endometrial curettage specimens. . *Int J Gynecol Pathol*.12(4):377-382; 2009.
 - *Jemal A , Siegel R , Ward E et al .* : Endometrial cancer, obesity, and body fat distribution. *Cancer J Clin*. 56: 106 – 130; 2006.
 - *Jiang Y, Jahagirdar BN, Reinhardt RL et al.*: Pluripotency of

-
- mesenchymal stem cells derived from adult marrow. *Nature*. 418 (6893): 41–49; 2006.
- *John M G*: All About Menstruation. (3rd ed.) pp. 65; 2007.
 - *Jordan, Blau HM, Brazelton TR and Weimann JM* : The evolving concept of a stem cell: entity or function? *Cell*. 105:829–841; 2006.
 - *Kakurrai M, Fujita N, Kiyosawa T et al.*: Vasoactive intestinal peptide and cytokines enhance stem cell factor production from epidermal keratinocytes *DJMI. J Invest Dermatol*. 119(5):1183–1188; 2002.
 - *Kanemura Y, Mori K, Sakakibara S et al* : Musashi1, an evolutionarily conserved neural RNA-binding protein, is a versatile marker of human glioma cells in determining their cellular origin, malignancy, and proliferative activity. *Differentiation*. 68:141–152; 2001.
 - *Kaplan , Konishi I, Fujii S et al.* : Development of smooth muscle in the human fetal uterus: an ultrastructural study. *J Anat*. 139(2):239–252; 2007.
 - *Katoh M* .: NUMB is a break of WNT-Notch signaling cycle. *Int J Mol Med*. 18(3):517–521; 2006.
 - *Katz F, Povey S, Parkar M et al.* : Chromosome assignment of monoclonal antibody-defined determinants on human leukemic cells. *Eur J Immunol* 13 (12): 1008–1013; 2004.
 - *Kazmerczak B, Richard C and Saul S* : Reproductive factors and risk of endometrial cancer. The Iowa Women's Health Study. *Genes Chromosome Cancer* .23:279–298; 2002.
 - *Kempson RL & Hendrickson MR.* : smooth muscle, endometrial stromal, and mixed Mullerian tumors of the uterus. *Mod Pathol*. 13:328–342; 2000.
 - *Kippley, J and Sheila K* : The Art of Natural Family Planning (4th ed.). Cincinnati, OH: The Couple to Couple League. pp. 92; 2006.
 - *Kiry O, Salm R and Evans DJ.* : Myxoid leiomyosarcoma. *Histopathol*
-

- .9(2):159–169;2007.
- *Krainer, Hayashi K, Hu J et al.* : Comparative developmental biology of the mammalian uterus. *Curr Top Dev Biol.* 68:85–122; 2007.
 - *Krock & Lexi .:* Fertility Throughout Life. (1st ed).pp43;2001.
 - *Kurman RJ, Felix JC, Archer DF et al:* Norethindrone acetate and estradiol-induced endometrial hyperplasia. *Obstet Gynecol* .96: 3733–3734; 2000.
 - *Lai CH& Huang HJ:* The role of hormones for the treatment of endometrial hyperplasia and endometrial cancer. *Curr Opin Obstet Gynecol.* 18(1):29-34; 2006.
 - *Latta E and Chapman WB :* PTEN mutations and evolving concepts in endometrial neoplasia. *Curr Opin Obstet Gynecol.* 14:59–65; 2002.
 - *Lax SF, Pizer ES, Ronnett BM et al. :* Clear cell carcinoma of the endometrium is characterized by a distinctive profile of p53, Ki-67, estrogen, and progesterone receptor expression. *Hum Pathol.* 29: 551–558; 2008.
 - *Lax SF.:* Molecular genetic pathways in various types of endometrial carcinoma: from a phenotypical to a molecular-based classification. *Virchows Arch.* 444: 213–223; 2004.
 - *Lehner R, Enomoto T, McGregor JA et al.:* Quantitative analysis of telomerase hTERT mRNA and telomerase activity in endometrioid adenocarcinoma and in normal endometrium. *Gynecol Oncol* .84:120–125; 2002.
 - *Leong KG, Wang BE, Johnson L et al. :* Generation of a prostate from a single adult stem cell. *Nature.* 456: 804; 2008.
 - *Levine DA , Lin O , Barakat RR , et al .:* Risk of endometrial carcinoma associated with BRCA mutation . *Gynecol Oncol* . 80 : 395-396; 2001 .
 - *Levine RL, Ferenczy A and Gelfand M:* PTEN mutations and

-
- microsatellite instability in complex atypical hyperplasia, a precursor lesion to uterine endometrioid carcinoma. *Cancer Res.* 58:3254-3265; 2002.
- *Li L and Xie T .:* Stem cell niche: structure and function. *Annu Rev Cell Dev Biol.* 21:605–631; 2005.
 - *Li-Fang Fan &Wei-Guo Dong & Cong-Qing Jiang et al.:* expression of putative stem cell genes Musashi-1and α 1-integrin in human colorectal adenomas and adenocarcinomas. *Springer.*13:234-238;2009.
 - *Lim P, McPherson CP, Sellers TA et al.:* Early stage uterine papillary serous carcinoma of the endometrium: effect of adjuvant whole abdominal radiotherapy and pathologic parameters on outcome. *Cancer.* 91:752-765; 2001.
 - *Lindvall O.:* Stem cells for cell therapy in Parkinson's disease. *Pharmacol Res.* 47 (4): 279–287; 2003.
 - *Linheng Li and William B.:* Normal Stem Cells and Cancer Stem Cells: The Niche Matters. *Cancer Research.*66:4553-4557; 2006.
 - *Litta P, Merlin F, Saccardi C, et al:* Role of hysteroscopy with endometrial biopsy to rule out endometrial cancer in postmenopausal women with abnormal uterine bleeding. *Maturitas. Ultrasound Obstet Gynecol.* 50(2):117-23; 2005.
 - *Llewellyn H:* Observer variation, dysplasia grading, and HPV typing: a review. *Am J Clin Pathol.*114(suppl):S21–S35; 2000.
 - *Loffe OB, Ashkenazi A and VM Dixit:-* Death receptors: signaling and modulation. *Science.* 281: 1305-8; 2007.
 - *Losos, J B.; Raven DE, Peter H. et al.:* Experimental induction of uterine adenocarcinoma in rates by estrogen and N-methyl-N-nitrosourea. *In Vivo.* 3(23): 1207–1209; 2002.
 - *Lotfallah H, Farag K, Hassan I, et al:* One-stop hysteroscopy clinic
-

-
- for postmenopausal bleeding. *J Reprod Med.* 50(2):101-107; 2005.
- *Manson JE, Hsia J; Johnson KC et al:* Estrogen plus Progestin and the Risk of Coronary Heart Disease. *NEJM.* 349(6) :523–534; 2003.
 - *Mareel MM and De Mets M:* Effect of microtubule inhibitions on invasion and on related activities of tumor cells. *Internal Rev. Cytol.* 90: 125–168;1984.
 - *Mark E S:* Theories of Endometrial Carcinogenesis: A Multidisciplinary Approach. *Mod Pathol.* 13(3):295–308; 2000.
 - *Masuko K and Masaru K:* WNT Signaling Pathway and Stem Cell Signaling Network. *Clinical Cancer Research.* 13: 4042;2007.
 - *Matthai C, Horvat R, Noe M et al.:* Oct-4 expression in human endometrium. *Mol Hum Reprod.* 12:7–10; 2006.
 - *Max, B N, Occhiodoro-Scott T, Ramakrishnan A et al. :* Mesenchymal stem cells. *Arch Med Res.*34:565–571; 2006..
 - *Maxwell GL, Richard Cote and Saul Suster:* Mutation of the PTEN tumor suppressor gene in endometrial hyperplasias. *Cancer Res .* 58:2500-2555; 2004.
 - *Miller SJ, Lavker RM and Sun TT :* Interpreting epithelial cancer biology in the context of stem cells: tumor properties and therapeutic implications. *Biochim Biophys Acta.* 1756:25–52; 2005.
 - *Mitalipov SM, Zhou Q, Byrne JA et al.:* Reprogramming following somatic cell nuclear transfer in primates is dependent upon nuclear remodeling. *Hum Reprod.* 22 (8): 2232–2242; 2007.
 - *Mody DR:* Glandular lesions in cervicovaginal cytology: conventional, ThinPrep and SurePath. *Microscopic Tutorial* 10. 53rd Annual Scientific Meeting of the American Society and Cytopathology. pp 1–15; 2005.
 - *Mokhtar N (ed):* Cancer Pathology Registry2003-2004 and time trend
-

-
- analysis, Publ. By Department of Pathology NCI. P. 51; 2007.
- *Montz FJ, Boldog F, Gemmill RM et al:* Significance of ‘normal’ endometrial cells in cervical cytology from asymptomatic postmenopausal women receiving hormonal replacement therapy. *Gynecol Oncol.* 81:33–39; 2002.
 - *Montz FJ:* Racial differences in endometrial cancer survival: the black/white cancer survival study. *Obstet Gynecol.* 88: 919–926; 2001.
 - *Moore KA and Lemischka IR.:* Stem cells and their niches. *Science.* 311:1880–1885; 2006.
 - *Moreno-Bueno G, Hardisson D, Sanchez C et al.:* Abnormalities of the APC/beta-catenin pathway in endometrial cancer. *Oncogene.* 21:7981–7990; 2002.
 - *Morris RJ, Liu YP, Marles L et al. :* Capturing and profiling adult hair follicle stem cells. *Nat Biotechnol.* 22:411–417; 2004.
 - *Mount SL:* Significant increase of benign endometrial cells on Papanicolaou smears in women using hormone replacement therapy. *Obstet Gynecol.* 100:445–450; 2002.
 - *Murray SK, Clement PB and Young RH. :* Endometrioid carcinomas of the uterine corpus with sex cord-like formations, hyalinization, and other unusual morphologic features: a report of 31 cases of a neoplasm that may be confused with carcinosarcoma and other uterine neoplasms. *Am J Surg Pathol.* 29(2):157–166; 2005.
 - *Musina RA, Belyavski AV, Tarusova OV et al.:* Endometrial mesenchymal stem cells isolated from the menstrual blood. *Bull Exp Biol Med.* 145(4):539-543; 2008.
 - *Mutter GL:* The Endometrial Collaborative Group: Endometrial intraepithelial neoplasia (EIN): will it bring order to chaos? *Gynecol Oncol .* 76:287–290; 2000.
 - *Naessen, T & Rodriquez MK:* Endometrial thickness and uterine
-

-
- diameter not affected by ultralow doses of 17β estradiol in elderly women. *Am J Obstet Gynecol.* 186:944-947; 2002.
- *Nagai N, Uebaba Y, Oshita T et al.:* Endometrial cytodiagnosis using a new Softcyte versus a conventional Endocyte. *Oncol Rep.* 9:483–487;2002.
 - *Nagaoka T, Takeuchi M, Onodera H et al.:*Experimental induction of uterine adenocarcinoma in rates by estrogen and N-methyl-N-trosourea. *In Vivo.* 7: 525; 2003.
 - *Narod M, Blau HM, Brazelton TR et al.:* The evolving concept of a stem cell: entity or function? *Cell .*105:829–841; 2005.
 - *Nassar A, Fleisher SR and Nasuti JF:* Value of histiocyte detection in Pap smear for predicting endometrial pathology. *Acta Cytol.* 47:762–767; 2003.
 - *Nishimura S, Wakabayashi N, Toyoda K et al:* Expression of Musashi-1 in human normal colon crypt cells: a possible stem cell marker of human colon epithelium. *Dig Dis Sci .*48:1523–1529; 2003.
 - *Nishimura Y, Watanabe J, Jobo T et al.:* Cytologic scoring of endometrioid adenocarcinoma of the endometrium. *Cancer.* 105:8–12; 2005.
 - *Noctor, Fuchs E, Tumber T et al. :* Socializing with the neighbors: stem cells and their niche. *Cell.* 116:769–778; 2007.
 - *Norimatsu Y, Shimizu K, Kobayashi TK et al.:* Cellular features of endometrial hyperplasia and well-differentiated adenocarcinoma using the Endocyte sampler. Diagnostic criteria based on the cytoarchitecture of tissue fragments. *Cancer Cytopathol.* 108: 77–85; 2002.
 - *Norimatsu Y, Tomioka Y; Shimizu Y, et al:-* Cancer-associated myofibroblasts possess various factors to promote endometrial tumor progression. *Clin Cancer Res.*7(10):3097-3105; 2006.
-

-
- *Novinec , Chalas E, Auguste M et al.:* Uterine papillary serous carcinoma evolves via a p53-driven pathway. *Hum Pathol* . 27: 1295–1300; 2008.
 - *O’Leary JJ, Landers RJ, Healy I, et al:* Human papillomavirus and mixed epithelial tumors of the endometrium. *Human Pathology*.29(4): 383-389; 2008.
 - *Oda K, McPherson CP, Sellers TA et al.:* High frequency of coexistent mutations of PIK3CA and PTEN genes in endometrial carcinoma. *Cancer Res* .65:106-169; 2005.
 - *Ohkawara S, Jobo T, Sato R et al.:* Comparison of endometrial carcinoma coexisting with and without endometrial hyperplasia. *Eur J Gynaecol Oncol*. 21: 573–577; 2000.
 - *Ohno E:* Endometrial cytology. *Priming Biomed*.1:26–37; 2004.
 - *Okano H, Kawahara H, Toriya M et al.:* Function of RNA-binding protein Musashi-1 in stem cells. *Exp Cell Res*.306:349–356; 2005.
 - *Ollikainen M , Abdel-Rahman WM , Moisio AL , et al.:* Molecular analysis of familial endometrial carcinoma: a manifestation of hereditary nonpolyposis colorectal cancer or a separate syndrome ?. *J Clin Oncol*. 23: 4609-4911; 2005.
 - *Opmeer BC, van Doorn HC, Heintz AP, et al:* Improving the existing diagnostic strategy by accounting for characteristics of the women in the diagnostic work up for postmenopausal bleeding. *BJOG*. 114(1):51-58; 2007.
 - *Papadimitriou JC & Drachenberg CB.:* Correlation of proliferation indices, apoptosis, and related oncogene expression (bcl-2 and c-erbB-2) and p53 in proliferative, hyperplastic, and malignant endometrium. *. Int J Gynecol Pathol*. 29(10):1035-1038; 2007.
 - *Panda JK:* One-stop clinic for postmenopausal bleeding. *J Reprod Med*. 47(9):761-6; 2002.
-

-
- *Prat J.*: Prognostic parameters of endometrial carcinoma. *Hum Pathol.* 35:649–662; 2004.
 - *Pellerin GP & Finan MA .*: Endometrial cancer in women 45 years of age or younger: a clinicopathological analysis . *Am J Obstet Gynecol.* 193 : 1640-1644; 2005.
 - *Pothuri B, Ramondetta L, Martino M, et al.*: Development of endometrial cancer after radiation treatment for cervical carcinoma. *Obstet Gynecol* 101:941–945; 2005.
 - *Pomerantz J and Blau HM .*: Nuclear reprogramming: a key to stem cell function in regenerative medicine. *Nat Cell Biol.* 6:810–816; 2004.
 - *Polyak K and Hahn WC* : Roots and stems: stem cells in cancer. *Nat Med.* 12:296–300; 2006.
 - *Pardal R, Clarke MF and Morrison SJ* : Applying the principles of stem-cell biology to cancer. *Nat Rev Cancer.* 3:895–902; 2003.
 - *Potten CS, Booth C, Tudor GL, et al.*: Identification of a putative intestinal stem cell and early lineage marker; Musashi-1. *Differentiation.* 71:28–41; 2003.
 - *Parkash V*: Uterine papillary serous carcinoma after radiation therapy for carcinoma of the cervix. *Cancer.* 69:496; 2002.
 - *Prithner , Gorai I, Doi C et al.*: Establishment and characterization of carcinosarcoma cell line of the human uterus. *Cancer.* 71: 775–786; 2008.
 - *Quscenberry , Iwashita T, Yilmaz OH, et al.*: SLAM family receptors distinguish hematopoietic stem and progenitor cells and reveal endothelial niches for stem cells. *Cell.* 121:1109–1121; 2005.
 - *Raff M* : Adult stem cell plasticity: fact or artifact? *Annu Rev Cell Dev Biol.* 19:1–22; 2003.
 - *Randall TC & Kurman RJ*: Progestin treatment of atypical hyperplasia
-

-
- and well-differentiated carcinoma of the endometrium in women under age 40. *Obstet Gynecol* . 90: 434–440; 2007.
- *Ratajczak MZ, Machalinski B, Wojakowski W, et al.*: A hypothesis for an embryonic origin of pluripotent Oct-4(+) stem cells in adult bone marrow and other tissues. *Leukemia*. 21 (5): 860–867; 2007.
 - *Reid-Nicholson M, Iyengar P, Hummer AJ, et al.*: Immunophenotypic diversity of endometrial adenocarcinomas: implications for differential diagnosis. *Mod Pathol*. 19(8):1091–1100; 2006.
 - *Richard C, Saul S, Lawrence W, et al.* : *Modern Surgical Pathology* .2:7216-7253; 2002.
 - *Risinger JI, Hayes AK, Berchuck A, et al.*: PTEN/MMAC1 mutations in endometrial cancers. *Cancer Res* . 57: 4736–4738;2009.
 - *Robey, P.G.*: Stem cells near the century mark. *J. Clin. Invest.* 105:1489-1499; 2000.
 - *Ron Winslow*: First Embryonic Stem-Cell Trial Gets Approval from the FDA. *The Wall Street Journal* .2:23-24; 2009.
 - *Sahdev A*: Imaging the endometrium in postmenopausal bleeding. *BMJ*. 24: 635-636; 2007.
 - *Sancho E, Batlle E and Clevers H .:* Signalling pathways in intestinal development and cancer. *Annu Rev Cell Dev Biol*. 20:695–723; 2004.
 - *Sancho E, Batlle E and Clevers H .:* Signalling pathways in intestinal development and cancer. *Annu Rev Cell Dev Biol* . 20,695–723;2004.
 - *Santos M, Montagut C, Mellado B, et al.*: Immunohistochemical staining for p16 and p53 in premalignant and malignant epithelial lesions of the endometrium. *Int J Gynecol Pathol*. 23:206–214; 2004.
 - *Scharfman HE & MacLusky NJ .:* The influence of gonadal hormones on neuronal excitability, seizures, and epilepsy in the female. In *Vivo*.47 (9): 1423–1440; 2006.
-

-
- *Schmeler KM, Lynch HT, Chen LM, et al.*: Prophylactic surgery to reduce the risk of gynecologic cancers in the Lynch Syndrome . N Eng J Med. 354 : 261 – 269 ; 2006.
 - *Schulenburg A, Cech P, Herbacek I, et al.*: CD44-positive colorectal adenoma cells express the potential stem cell markers Musashi antigen-Strassmann BI .:The evolution of endometrial cycles and menstruation. . Int J Gynecol Pathol .71 (2): 181–220; 2007.
 - *Schwab KE, Chan RW and Gargett CE* : Putative stem cell activity of human endometrial epithelial and stromal cells during the menstrual cycle. Fertil Steril. 84:1124–1130; 2005.
 - *Scott G. Chudnoff.*: Medscape Ob/Gyn & Women's Health. Volume 59 (5):368-378; 2005.
 - *Seaberg , Rosenshein NB, Delgado G, et al.*:- Uterine serous carcinoma: a morphologically diverse neoplasm with unifying clinicopathologic features. Am J Surg Pathol. 16: 600- 10; 2004.
 - *Seigel GM, Hackam AS, Ganguly A et al.* : Human embryonic and neuronal stem cell markers in retinoblastoma. Mol Vis. 13:823–832;2007.
 - *Shackleton M, Vaillant F, Simpson KJ, et al.* : Generation of a functional mammary gland from a single stem cell. Nature. 439:84–88; 2006.
 - *Shiraishi M* .:Studies on identification of menstrual blood stain by fibrin-plate method. I. A study on the incoagulability of menstrual blood. In Vivo. 16: 192–200;2008.
 - *Shostak S* .:(Re)defining stem cells. Bioessays. 28 (3): 301–308; 2006.
 - *Shu HJ, Saito T, Watanabe H, et al.* : Expression of the Musashi1 gene encoding the RNA-binding protein in human hepatoma cell lines. Biochem Biophys Res Commun. 293:150–154;2002.
-

-
- *Shuman and Tracy.*: Your Guide to Menopause. (2nd ed.).pp.43;2006.
 - *Siddall NA, McLaughlin EA and Hime GR*: The RNA-binding protein Musashi is required intrinsically to maintain stem cell identity.Proc Natl Acad Sci USA. 103:8402-8407; 2006.
 - *Siddall NA, McLaughlin EA, Marriner NL, et al.*: The RNA binding protein Musashi is required intrinsically to maintain stem cell identity. Proc Natl Acad Sci USA . 103:8402–8407; 2006.
 - *Silverberg , Balasch J & Vanrell J*:- Corpus luteum insufficiency and fertility: a matter of controversy. Hum Reprod. 2: 557-67; 2002.
 - *Silverberg SG*: Problems in the differential diagnosis of endometrial hyperplasia and carcinoma. Mod Pathol .13:309-321; 2000.
 - *Skotheim RI, Korkmaz KS, Klok TI, et al.*: NKX3.1 expression is lost in testicular germ cell tumors.Am J Pathol.163(6):2149-2154;2003.
 - *Smith-Bindman R, Weiss E and Feldstein V*: How thick is too thick? When endometrial thickness should prompt biopsy in postmenopausal women without vaginal bleeding. Ultrasound Obstet Gynecol. 24(5):558-65; 2004.
 - *Snyder EY and Loring JF.*: A role for stem cell biology in the physiological and pathological aspects of aging. J Am Geriatr Soc. 53:S287–S291; 2005.
 - *Soliman PT, Slomovitz BM, Broaddus RR, et al.*: Synchronous primary cancers of the endometrium and ovary: a single institution review of 84 cases. Gynecol Oncol. 94: 456 -457; 2004.
 - *Song X, Zhu C, Doan C, et al.*; Germline stem cells anchored by adherens junctions in the Drosophila ovary niches. Science. 296 (5574): 1855–1857; 2002.
 - *Sovak MA, Dupont J, Hensley ML, et al*: Paclitaxel and carboplatin in the treatment of advanced or recurrent endometrial cancer: a large retrospective study. Int J Gynecol Cancer. 17(1):197-203; 2007.
-

-
- *Sripathi M. S, Randal M, Robert J. G, et al;* Knockdown of RNA Binding Protein Musashi-1 Leads to Tumor Regression In Vivo . AGA Institute. 23(3):223-226;2008.
 - *Stefansson IM, Salvesen HB and Akslen LA.:* Loss of p63 and cytokeratin 5/6 expression is associated with more aggressive tumors in endometrial carcinoma patients. Int J Cancer. 118(5):1227-1233; 2006.
 - *Steffen J, Johnston CM, Svoboda-Newman SM, et al.:* Clinical and pathological significance of microsatellite instability in sporadic endometrial carcinoma. Am J Pathol . 148: 1671–1678;2007.
 - *Stingl J, Eirew P, Ricketson I, et al. :* Purification and unique properties of mammary epithelial stem cells. Nature. 439:993–997; 2006.
 - *Strassman BI:* Human adipose tissue is a source of multipotent stem cells. Baraket JCO. 24(4):587-592; 2004.
 - *Sugiyama NY, Akiyama M, Shibata S, et al.:* Expression of RNA-binding protein Musashi in hair follicle development and hair cycle progression. Am J Pathol .168:80–92; 2006.
 - *Sureban SM, George RJ, Dieckgraefe BK, et al.:* Knockdown of RNA binding protein musashi-1 leads to tumor regression in vivo.Gastroenterology. 134(5):1448-1458; 2008.
 - *Susaki K, Kaneko J, Yamano Y, et al.:* Musashi-1, an RNA-binding protein, is indispensable for survival of photoreceptors. 88(3):347-355; 2009.
 - *Takahashi K & Yamanaka S.:* Induction of pluripotent stem cells from mouse embryonic and adult fibroblast cultures by defined factors. Cell. 126 (4): 663–676; 2006.
 - *Takahashi, Fearson ER, Hamilton SR, et al.:-* Genetic alterations during colorectal tumor development. N Engl J Med. 319: 525- 32; 2006.
-

- *Takashi M, Murase T, Kinjo T, et al.*: Epithelial Membrane Antigen as an Immunohistochemical Marker for Transitional Cell Carcinoma of the Urinary Bladder. *Urologia Internationalis*. 42 (3): 2007.
- *Tashiro H, Blazes MS, Wu R, et al.*: Mutations in PTEN are frequent in endometrial carcinoma but rare in other common gynecological malignancies. *Cancer Res*. 57: 3935–3940; 2007.
- *Tosh D and Slack JMW.*: How cells change their phenotype. *Nat Rev Mol Cell Biol* .3:187–194; 2002.
- *Trimble CL, Ferenczy A and Gelfand M*: Concurrent endometrial carcinoma in women with a biopsy diagnosis of atypical endometrial hyperplasia: a Gynecologic Oncology Group study. *Cancer* . 106:812-822; 2006.
- *Tsujimura A, Koikawa Y, Salm S, et al.* :(Proximal location of mouse prostate epithelial stem cells: a model of prostatic homeostasis. *J Cell Biol*. 157:1257–1265; 2002.
- *Tuch BE .* : Stem cells—a clinical update. *Australian Family Physician*. 35 (9): 719–721; 2006.
- *Tumbar T, Guasch G, Greco V, et al.* : Defining the epithelial stem cell niche in skin. *Science*. 303:359–363; 2004.
- *Turusov VS*: Uterine sarcomas in CBA mice induced by combined treatment with 1,2- dimethylhydrazine and estradiol dipropionate. *Exp Toxicol Pathol*. 45: 161; 2003.
- *Ulloa-Montoya F, Verfaillie CM and Hu WS*: JulCulture systems for pluripotent stem cells. *J Biosci Bioeng*. 100 (1): 12–27; 2005.
- *Van Doorn LC, Dijkhuizen FP, Kruitwagen RF, et al*: Accuracy of transvaginal ultrasonography in diabetic or obese women with postmenopausal bleeding. *Obstet Gynecol*. 104(3):571-8; 2004.
- *Van Es JH, Jay P, Gregorieff A, et al.*: Wnt signalling induces maturation of Paneth cells in intestinal crypts. *Nat Cell Biol* .7:381–

-
- 386; 2005.
- Varnat F, Heggeler BB, Grisel P, et al.: PPARbeta/delta regulates paneth cell differentiation via controlling the hedgehog signaling pathway. *Gastroenterology* .131:538–553; 2006.
 - Via M, Yang Z, Nguyen J, et al. : Stem cells in the hair follicle bulge contribute to wound repair but not to homeostasis of the epidermis. *Nat Med*. 11:1351–1354;2005.
 - Vilgelm A, Ferenczy A and Gelfand M: Akt-mediated phosphorylation and activation of estrogen receptor alpha is required for endometrial neoplastic transformation in Pten+/- mice. *Cancer Res*. 66:3375-3381; 2006.
 - Wagers AJ and Weissman IL .: Plasticity of adult stem cells. *Cell*. 116:639–648; 2004.
 - Wagers AJ, Christensen JL and Weissman IL. : Cell fate determination from stem cells. *Gene Therapy*.9:606-612; 2002.
 - Wantanabe K, Sasano H, Harada N, et al. : Aromatase in human endometrial carcinoma and hyperplasia. Immunohistochemical, in situ hybridization, and biochemical studies. *Am J Pathol* . 146: 491–500;2009.
 - Weschler & Toni.: Taking Charge of Your Fertility .New York: HarperCollins. 359–361; 2002.
 - Wildemeersch D & Dhont M: Treatment of non-atypical and atypical endometrial hyperplasia with a levonorgestrel-releasing intrauterine system. *Am J Obstet Gynecol*. 188:1292-1293; 2003.
 - William T, Creasman MD and J Marion Sims: Allelic loss at chromosome 3p are seen in human papilloma virus 16 associated transitional cell carcinoma of the cervix. *Gynecologic Oncology*. 74: 361-8; 2007.
 - William T: The influence of progesterone and androgens on the
-

- growth of endometrial carcinoma. *Cancer*. 71: 3565- 9; 2007.
- *Wilson A and Trumpp A* .: Bone-marrow haematopoietic-stem-cell niches. *Nat Rev Immunol* . 6:93–106;2006.
 - *Woodward WA, Chen MS, Behbod F , et al.* : On mammary stem cells. *J Cell Sci*. 118:3585–3594; 2005.
 - *Wu DC, Boyd AS and Wood KJ*.: Embryonic stem cell transplantation: potential applicability in cell replacement therapy and regenerative medicine. *Front Biosci* . 12: 4525–4535; 2007.
 - *Xiao Z, Zhang J, Zheng S, et al.*:- Loss of heterozygosity of tumor suppressor genes at chromosome 3p in transitional cell carcinoma of urinary bladder. *Zhonghua Yi Xue Za Zhi*, 82(20): 1375-1377; 2003.
 - *Xiaoz B, Scheitza S, Wernet P, et al.* :Asymmetric cell division within the human hematopoietic stem and progenitor cell compartment: identification of asymmetrically segregating proteins. *Blood*. 109 (12): 5494–5501; 2003.
 - *Xiong Y, Hannon GH, Zhang H, et al.*:- P21 is a universal inhibitor of cyclin kinases. *Nature*. 366: 701; 2003.
 - *Yager JD & Liehr JG*.: Molecular mechanisms of estrogen carcinogenesis. *Ann Rev Pharmacol Toxicol*. 36: 203–232; 2009.
 - *Yoriko SN, Masashi A, Shinsuke S, et al.*: Expression of RNA-Binding Protein Musashi in Hair Follicle Development and Hair Cycle progression .*American Journal of Pathology*. 168:80-92.; 2006.
 - *Yuqi L, Chengtang W, Ying W, et al.*: The expression of Msi-1 and its significance in small intestinal mucosa severely damaged by high-dose 5-FU.*Dig Dis Sci*. 53(9):2436-2442.; 2008.
 - *Zaino RJ*.: FIGO staging of endometrial adenocarcinoma: a critical review and proposal.*Int J Gynecol Pathol*. 28(5):477-478; 2009.
 - *Zheng W, Khurana R, Farahmand S, et al.*: p53 immunostaining as a significant adjunct diagnostic method for uterine surface carcinoma.

Am J Surg Pathol . 22: 163–173; 2008.

- Zhou C, Bae-Jump VL, Whang YE, et al. :The PTEN tumor suppressor inhibits telomerase activity in endometrial cancer cells by decreasing hTERT mRNA levels. Gynecol Oncol. 101:305–310; 2006.