



THE LATEST NEWS IN GYN (PART 1)

By Dr. Carlos Parra-Herran

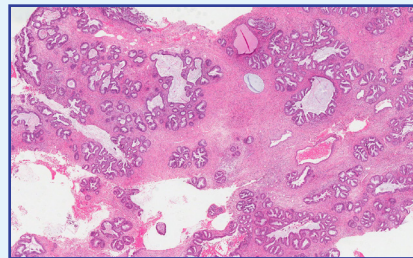
VULVA

- The World Health Organization has adopted the Lower Anogenital Squamous Terminology (LAST) recommended by the College of American Pathologists and the American Society for Colposcopy and Cervical Pathology for pre-cancerous squamous lesions of the vulva.
 - Low grade squamous intraepithelial lesion (flat [condyloma](#) and [vulvar intraepithelial neoplasia usual type](#) – VIN1)
 - High grade squamous intraepithelial lesion ([vulvar intraepithelial neoplasia usual type](#) – VIN2 or VIN3)
 - [Vulvar intraepithelial neoplasia, differentiated type](#)
- Vulvar [squamous cell carcinomas](#) with a fibromyxoid stromal response are associated with a higher risk of perineural invasion, recurrence and lymph node spread, compared to non-infiltrative invasive tumors.
- We have added a new topic – vulvar [mammary type myofibroblastoma](#)

CERVIX

- A new classification for HPV-associated invasive endocervical adenocarcinoma has been proposed. It is based on the pattern of stromal invasion, which is associated with the risk of regional nodal metastases and adverse outcome:
 - **Pattern A:** Non-destructive growth (0% prevalence of nodal spread).

- **Pattern B:** Focal destructive invasion (4% prevalence of nodal spread).
- **Pattern C:** Diffuse destructive invasion (23% prevalence of nodal spread).
- New insights on the morphology, immunophenotype and histogenesis of [gastric-type endocervical adenocarcinoma](#) have been recently published and incorporated into the current WHO classification.



Non-destructive endocervical adenocarcinoma (Silva system Pattern A): well differentiated glandular proliferation without destructive infiltration, desmoplasia or confluent growth. These carcinomas have a negligible risk of extrauterine spread or recurrence.

UTERUS – ENDOMETRIUM

- The current World Health Organization has unified the terminology for endometrioid glandular precursors into a two-tier classification:
 - [Benign \(non-atypical\) endometrial hyperplasia](#)
 - [Atypical endometrial hyperplasia / endometrioid intraepithelial neoplasia](#)
- The terms “simple” and “complex” have been removed from the classification, as they are not reproducible or significantly associated with differences in malignant outcome.
- The term “endometrial intraepi-

thelial neoplasia” has been recently endorsed by The American College of Obstetricians and Gynecologists and the Society of Gynecologic Oncology.

- We have added a new topic on [progesterin therapy related changes](#) in endometrial hyperplasia.
- In recent years, our understanding of the molecular landscape of endometrial carcinoma has increased, leading to a “molecular classification” useful to separate endometrioid and serous endometrial carcinomas into clinically and biologically different groups:
 - Ultra mutated: Characterized by mutations in POLE and POLD1 genes. Good prognosis.
 - Mismatch repair deficient: Alterations on mismatch repair genes. Intermediate prognosis.
 - Copy number low: Low number of mutations and copy number variations. Intermediate prognosis.
 - Copy number high: Frequent mutations and copy number variations. Frequent TP53 mutations. Poor prognosis.

MEET THE AUTHOR

Dr. Carlos Parra-Herran joined the editorial board of PathologyOutlines.com in 2014 and oversees the contents in gynecologic and obstetric pathology.

His post-graduate education included fellowship training in Brigham and Women’s Hospital and Sunnybrook Health Sciences Centre.

He has co-authored 28 peer-reviewed articles in pathology; his previous research has focused on biomarker discovery in gynecologic pathology and characterization of uterine myxoid mesenchymal neoplasms.