

# Treatment of precancerous gynecological tumors

**Precancers of gynecological tumors**<sup>[1][2]</sup> can be treated either surgically with a curative result, which is the most common procedure, or conservatively.

## Surgical treatment

Surgical treatment is possibly **destructive** or **ablative**. During the destructive procedure, precancerous tissue is destroyed, so it can no longer be examined histologically. Therefore, it is necessary to take a biopsy sample in advance. Destructive methods are rarely used anymore. In the case of ablative, surgical removal of the tissue is performed, which can then be examined histologically.

### Vulva

Excision of the lesion or skinning is performed.

### Vagina

Among the destructive ones, we can mention *laser vaporization*, which is no longer used much. Of the ablative methods, **laser ablation** is used, with a more radical approach, **partial** or even **total colpectomy**.

### Cervix

Of the ablative methods, **conization** or **cylindrical dissection** is performed.<sup>[1]</sup> A common method is the **LEEP** (*loop electrosurgery excision procedure*), in which the cone of the cervix is cut out with an electrocoagulation loop. Another option is the *cold knife* method. Rarely, *laser ablation* is also performed.

### Endometrium

Hysterectomy with bilateral adnexectomy is performed. Fertility-preserving treatment is non-surgical (see below).

## Non-surgical treatment

For precancers of the vulva and vagina, immunomodulatory treatment against HPV with the preparation **Imiquimod** can be used. In endometrial precancer, progestagen treatment can be used to preserve the uterus and achieve regression of the lesion.

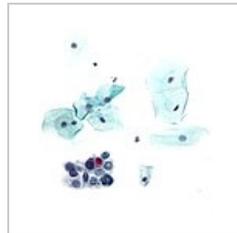
## Gallery



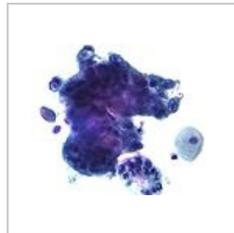
Physiological appearance of the cervicovaginal junction



LSIL: cells with enlarged nucleus and irregular chromatin



HSIL: smaller tumor cells with an enlarged nucleus and irregular chromatin



Adenocarcinoma: tumor cells filled with intracytoplasmic vacuoles with mucus

## Links

### Related articles

- Precancers in gynecology
- Cervical precancers

### External links

### References

1. SLÁMA, Jiří. *Precancerózy rodidel* [lecture for subject Gynekologie a porodnictví předstátnicová stáž, specialization Všeobecné lékařství, 1. lékařská fakulta Univerzita Karlova v Praze]. Praha. 13.2.2014.
2. ROB, Lukáš – MARTAN, Alois – CITTERBART, Karel. *Gynekologie*. 2. edition. Praha : Galén, 2008. 390 pp. pp. 179-213. ISBN 978-80-7262-501-7.

