

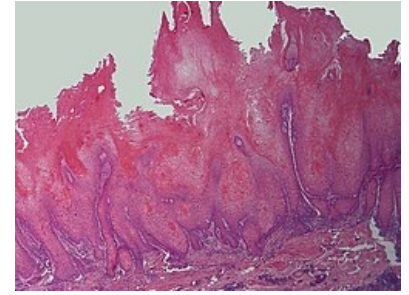
# Verrucous Carcinoma

Verrucous carcinoma (Carcinoma verrucosum) is a highly differentiated variant of squamous cell carcinoma of the skin, which is characterized by slow growth and a warty surface.

It is an invasive carcinoma, but has very little tendency to metastasize.

## Epidemiology

It occurs mainly in elderly patients in areas with scars, chronic wounds, and chronic venous insufficiency. In some cases, an association with HPV 6 and 11 has been demonstrated.



*Carcinoma verrucosum*

## Clinical Picture

There are four forms, mostly according to location.

|  | Clinical Picture   | Location  |
|--|--|---|
| <b>1. Epithelioma cuniculatum</b>  | A large cauliflower formation permeated with tunnels and crypts, later a greasy material can be expelled from the formation. Metatarsal bones can be damaged.  | Most often in old men on the soles of the feet.   |
| <b>2. Papillomatosis cutis carcinoides</b><br>(Skin verrucous carcinoma) | Restricted deposits up to the size of a palm with hyperkeratosis and cauliflower vegetation that do not heal for years.  | On the lower legs in places with chronic venous insufficiency or in the vicinity of ulcers. |
| <b>3. Oral florid papillomatosis</b>                                     | Leukoplactic deposits with papillomatous surface, on the mucosa. It can grow up to the mandible and cause difficulty eating and speaking. Poor oral hygiene, alcoholism, tobaccoism are predisposing conditions. | Surface of the oral cavity, lips, larynx.   |
| <b>4. Large Condylomas</b> (Buschke-Löwenstein)                          | Gray to pink sessile cauliflower formations. They are very invasive.   | On the penis, vulva and perianogenital region.  |

## Diagnosis

Histological. It is an asymmetrically proliferating formation into the epidermis. Contains keratin-filled crypts.

## Therapy

Surgical treatment is necessary. It is supplemented by radiotherapy, chemotherapy, laser destruction of the tumor, total treatment with retinoids, or interferons.

## Links

### Related Articles

- Malignant tumors: Melanoma | Bazocelular carcinoma | Spinocelular carcinoma
- Benign skin tumors
- Precancerous lesions in dermatology

### Bibliography

- ŠTORK, Jiří. *Dermatovenerologie*. 1. edition. 2008. 502 pp. ISBN 978-80-7262-371-6.