

Manifestations of infectious diseases in the oral cavity

Herpetic gingivostomatitis (gingivostomatitis herpetica)

Herpetic gingivostomatitis is an enanthem disease of the tongue, gums and palate with small painful vesicles and ulcers and reddened mucosa. It is a manifestation of primary infection with herpes simplex virus, it occurs mainly in infants and toddlers. The pain does not allow the child to drink; the child salivates more.

Differential diagnosis

- aphthous stomatitis caused by other viruses
- herpangina (*Coxsackie A, B*) - sore throat, whitish vesicles on the soft palate, uvula and tonsils, no gums affected, occurring in older children and adolescents, rather in the summer months
- hand-foot-mouth syndrome (*Coxsackie A*)
- aphthae epizooticae
- aphthous and ulcerative manifestations in HIV-infected patients
- primary syphilis
- recurrent aphthae of various etiologies (carious teeth, dietary damage - nuts, rose hips)
- Bednár's aphids of newborns
- Stevens-Johnson syndrome
- Behçet syndrome
- pemphigus vulgaris



Aphthous stomatitis

Manifestation of exanthematous diseases in the oral cavity

Palate

- scarlatina (Scarlet fever), rubeola (rubella), morbilli (measles) - enanthema or petechiae
- mononucleosis infectiosa (petechiae = **Holzel's sign**)

Tonsils

- scarlatina (Scarlet fever, catarrhal to lacunar angina)
- mononucleosis infectiosa (coating angina)
- enterovirus rash (aphthae and ulceration in herpangina)



Infectious mononucleosis

Buccal mucosa

- morbilli (measles) - **Koplik's stains**
- varicella

Tongue

- scarlatina (Scarlet fever) - raspberry tongue = **lingua scarlatinosa**
- varicella

Lips

- scarlatina, Kawasaki syndrome - deep red
- morbilli (measles) - deep red



Koplik's stains

Manifestations of HIV infection in the oral cavity

Infection

- **fungal:** *Candida albicans* and non-albicans species (stomatitis angularis), *Histoplasma capsulatum*, *Cryptococcus neoformans*
- **viruses:** *EBV* (hairy leukoplakia), *HSV* (oral herpes simplex), *VZV* (orofacial herpes zoster), *CMV* (ulceration)
- **bacteria:** *Treponema pallidum* (syphilis primaria)

Tumors

- Kaposi's sarcoma
- non-Hodgkin's lymphoma

Other diseases

- aphthous stomatitis
- primary HIV ulceration
- HIV gingivitis
- ulcerative HIV gingivitis
- HIV periodontitis
- necrotizing stomatitis



Kaposi's sarcoma

Epidemic parotiditis (parotitis epidemica)

Differential diagnosis:

- purulent parotitis, sialoadenitis
- sialolithiasis
- recurrent aseptic parotitis
- parotitis caused by herpes viruses (*CMV*) or enteroviruses (*Coxsackie A*)
- parotidomegaly of HIV positive children
- toxic parotidomegaly rarely caused by heavy metal poisoning (Hg, Pb)
- tumorous swelling of the gland (hemangioma, lymphosarcoma, etc.)
- Mikulicz syndrome (leukemia)
- Sjögren's syndrome
- metabolic sialopathy in diabetes (Charvat's symptom)

Links

Source

- BENEŠ, Jiří. *Studijní materiály* [online]. [cit. 2010]. <<http://jirben.wz.cz>>

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References

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