

Sialoendoscopy in children

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Sialoendoscopy is a minimally invasive overall safe procedure for the treatment salivary gland diseases performed in general anesthesia. It has diagnostic and therapeutical benefits resulting in relieving symptoms for patients with obstructive sialodenitis with or without sialolithiasis and non-neoplastic duct obstructive sialodenitis. Methods: Sialoendoscopy provides the visualization of the gland ductal system for parotid or submandibular glands. Endoscopy procedure for the salivary gland excretion system makes it possible to either detect ductal stenosis, inflammation or to diagnose and remove a ductal stone. It requires sialoendoscope, source of light, endoscopy column, anesthesiologist and ICU. The benefit of sialoendoscopy is a rather short-term general anesthesia in a non-complicated case of sialodenosis and through a one-day surgery protocol. Results: Sialoendoscopy is indicated in the recurrence of sialodenosis in children, in most cases in juvenile recurrent parotitis, other inflammatory swelling or sialolithiasis. The main benefit of this rather non-invasive procedure for a patient is a relief of painful swelling, and swelling frequency, and unblocking the salivary gland regarding sialodenitis with or without sialolithiasis and non-neoplastic obstructive sialodenitis. Conclusion: Salivary duct system diseases in children present a rare condition requiring autoimmune, acute infection viral or bacterial, with or without stones, or caused by trauma or a tumor. Sialodenitis in children is most commonly caused by recurrent parotitis that resolves spontaneous in puberty but diminishes life quality with recurrent acute painful swelling and school or social absence. Sialoendoscopy as a non-invasive procedure provides relief for recurrent painful gland swelling and improves life quality.

Key words: pediatric sialoendoscopy, pediatric otorhinolaryngology, recurrent parotitis