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### Sinonasal Papilloma in Chiang Mai University Hospital

Supranee Foonant, Thienchai Pattarasakulchai, Rak Tananuvat, Pichit Sittitrai, Saisawat Chaiyasate, Kannika Roongrotwattanasiri, Chonticha Srivanitchapoom

#### Abstract

**Objective:** To study sinonasal papilloma patients in terms of clinical characteristics, treatment, outcome, and complications.

**Material and Method:** A retrospective descriptive study was done. Sinonasal papilloma data were gathered between 1999 and 2009. There were 63 available patients from the 82 cases.

**Results:** There were nine cases of nasal papilloma (14.3%) and 54 of inverted papilloma (85.7%). The mean age of the inverted papilloma group was higher than the nasal papilloma group (54±12.97 years vs. 42.4±24.8 years). The most common symptom was unilateral nasal obstruction. There were three cases of synchronous malignancy in the inverted papilloma and two metachronous (9.3%). Thirty-nine patients (72%) could be followed-up for more than three months. Recurrence was more common in the inverted papilloma group than nasal papilloma (37% vs. 11.1%). The 50% recurrent time of the endoscopic group was 51 weeks and the external group was 14 weeks. The recurrence of the external approach group was 1.59 times the endoscopic group. Ten surgical complications were found in eight inverted papilloma patients (16%) and included three in the endoscopic and five in the external group. Most of them were minor. They were hypoesthesia and epiphora.

**Conclusion:** Sinonasal inverted papilloma was common, able to recur, and associated with malignancy. Though this was a limited retrospective study, it showed lower recurrence on the endoscopic approach. The life-long follow-up is needed in all cases.

**Keywords:** inverted papilloma, nasal papilloma, sinonasal papilloma, inverting papilloma

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#### The Medical Association of Thailand

Address: 4th Floor, Royal Golden Jubilee Building, 2 Soi Soonvijai, New Petchburi Road, Bangkok 10310, Thailand  
Telephone: 0-2716-6102, 0-2716-6962 press 0 Fax: 0-2314-6305

E-mail: [jmedassocthai@yahoo.com](mailto:jmedassocthai@yahoo.com), [math@loxinfo.co.th](mailto:math@loxinfo.co.th) 