## PC054

## Pediatric Middle Ear Cholesteatoma: Retrospective Analysis of Surgical Cases

OTOLOGIE

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Introduction	Results	
Middle ear cholesteatoma is defined as an abnormal accumulation of squamous	<ul> <li>Mean age = 10.7 years / male predominance.</li> </ul>	Mastoiditis 5 cases
epithelium and keratin debris, typically affecting the middle ear and mastoid. It can be	- A functional sign in 89.4% of cases	Meningitis (+ mastoiditis) 2 cases
either congenital or acquired. In the latter case, it may manifest as a primary or	- A complication was present in10.5% of cases.	Abcess 3 cases Thrombosis of the lateral sinus 2 cases
secondary condition. The most prevalent cause of acquired cholesteatoma in children		
	Otoscopic examination under a microscope:  ⇒ a retraction pocket in 47 cases (38.2%)	
is retraction pockets in the tympanic membrane resulting from atelectatic processes	⇒ a tympanic perforation in 46 cases (37.4%).	
following prolonged Eustachian tube dysfunction	- Audiometry: pure conductive hearing loss in 98 cases (90.8%), and mixed hearing lossin 11 cases (9.2%), with an	
	average audiometric leakage of 35 dB.	
Aim of the study	<ul> <li>Temporal CT scans (36 patients prior to surgery): ⇒ to assess</li> </ul>	the extent of the cholesteatoma.
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This study aims to retrospectively analyse the clinical characteristics,	⇒ to detect any associated preoperative complications	
surgical outcomes, and predictive factors for recurrence of pediatric middle	⇒ to identify any recurrence during follow-up.	
ear cholesteatoma.	- Cholesteatoma is treated surgically.	
	⇔ closed tympano	plasty in 49 cases (35.8%).
Methods	- Outcome: was considered good in 102 cases (74.5%).	
	- Cholesteatomatous recurrence was noted in 35 cases (25.5%) requiring repeat surgery.	
A retrospective descriptive study was conducted involving 123 children aged 3		
to 16 years who underwent surgery for acquired middle ear cholesteatoma.	<ul> <li>→ Analytically, ⇒ the age less than 7 years,</li> <li>⇒ the presence of a lysed ossicular chain</li> </ul>	
Data were collected over a 33-year period from 1990 to 2023 in our ENT and		
	⇒ the extension of the cholesteatoma to the wind	low region recurrence
Head and Neck Surgery Department.	⇒ the closed technique.	J
Conclusion		

The eradication of cholesteatoma and restoration of hearing function in pediatric patients present unique surgical challenges. The optimal balance between these two goals is related to the incidence of recidivism, the degree of ossicular damage, and the experimental evidence that this disease exhibits a more aggressive behavior than in adults. Fortunately, intratemporal and intracranial complications, such as inner ear fistula, facial nerve paralysis, and epidural or intracerebral abscess, are rare in children. Early and appropriate management of pediatric middle ear cholesteatoma is essential to minimize functional sequelae and reduce the risk of recurrence.

