



Life-threatening Complications of Otitis Media

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AIM OF THE WORK

The aim of the study is to analyse the epidemiology of life-threatening complications of otitis media in a cohort of patients treated for otitis media at the ENT clinic in Pilsen in 2012-2022.

MATERIALS AND METHODS

The retrospective, analytical study included 46 872 patients who were treated as outpatients for otitis media (acute or chronic) at the ENT clinic of the University Hospital in Pilsen during the studied years. Of these, 9 817 adults (20.94%) and 37 055 children (79.06%). A total of 1 030 patients (2.20%) had to be hospitalized, including 572 children and 458 adults, i.e. 1.54% and 4.67% of the total number of outpatients. Surgical management was resorted to in 299 inpatients (29.03%), of whom 198 were adults (66.23%) and 101 were pediatric patients (33.77%).

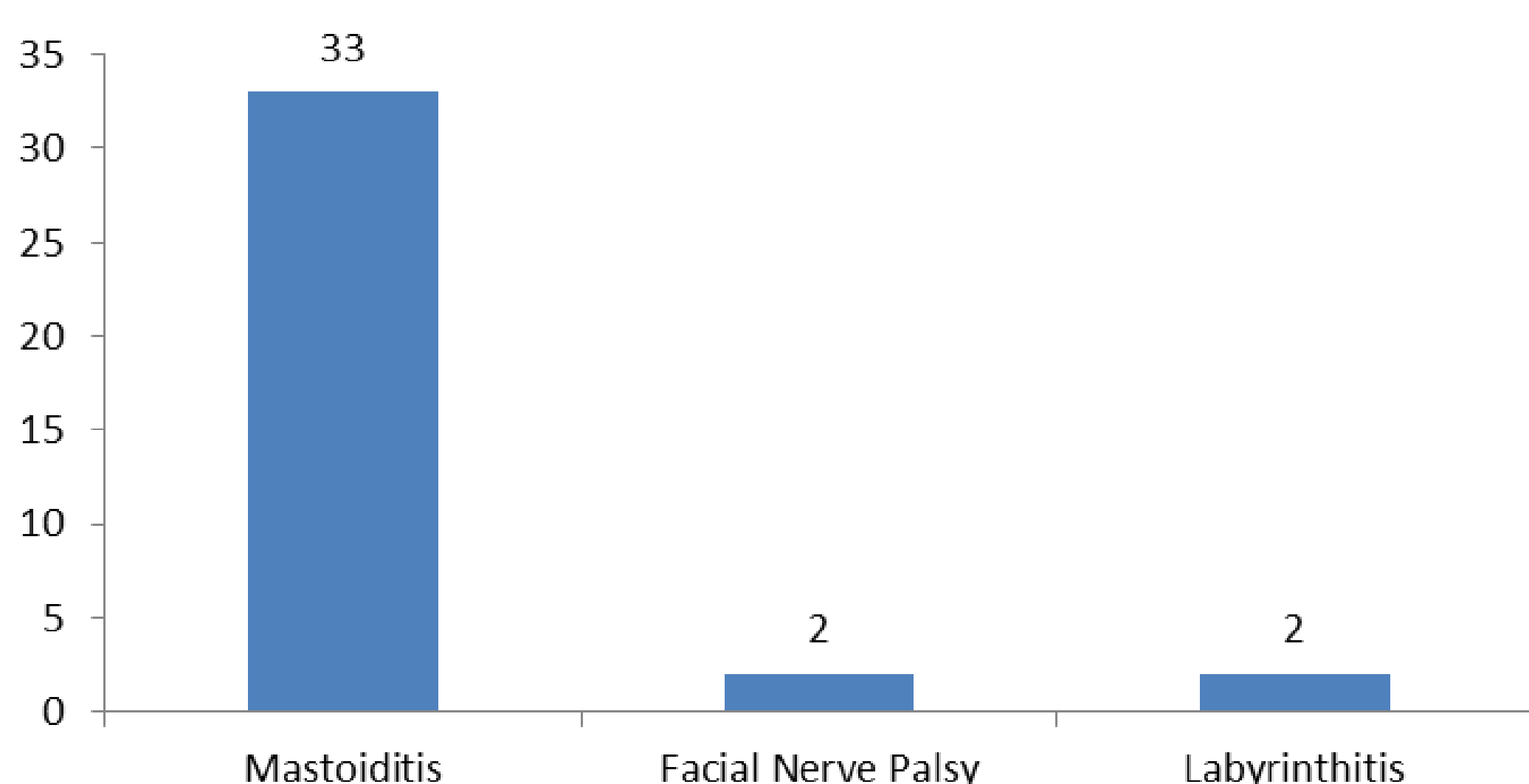
RESULTS

The cohort of treated outpatients produced a total of 47 patients (0.10 %) with life-threatening complications of otogenic origin; 16 females, 31 males. In the group of intratemporal inflammation there were 37 patients (33 with mastoiditis, 2 with paresis N. VII, 2 with labyrinthitis), 8 patients in the intracranial group (3 with meningitis, 1 with epidural abscess, 1 with subdural abscess, 0 with cerebral abscess, 3 with cerebral venous sinus thrombosis) and 2 patients in the extratemporal complications group (1x Bezold's abscess, 1x internal jugular vein thrombosis, 0x phlegmon of the neck).

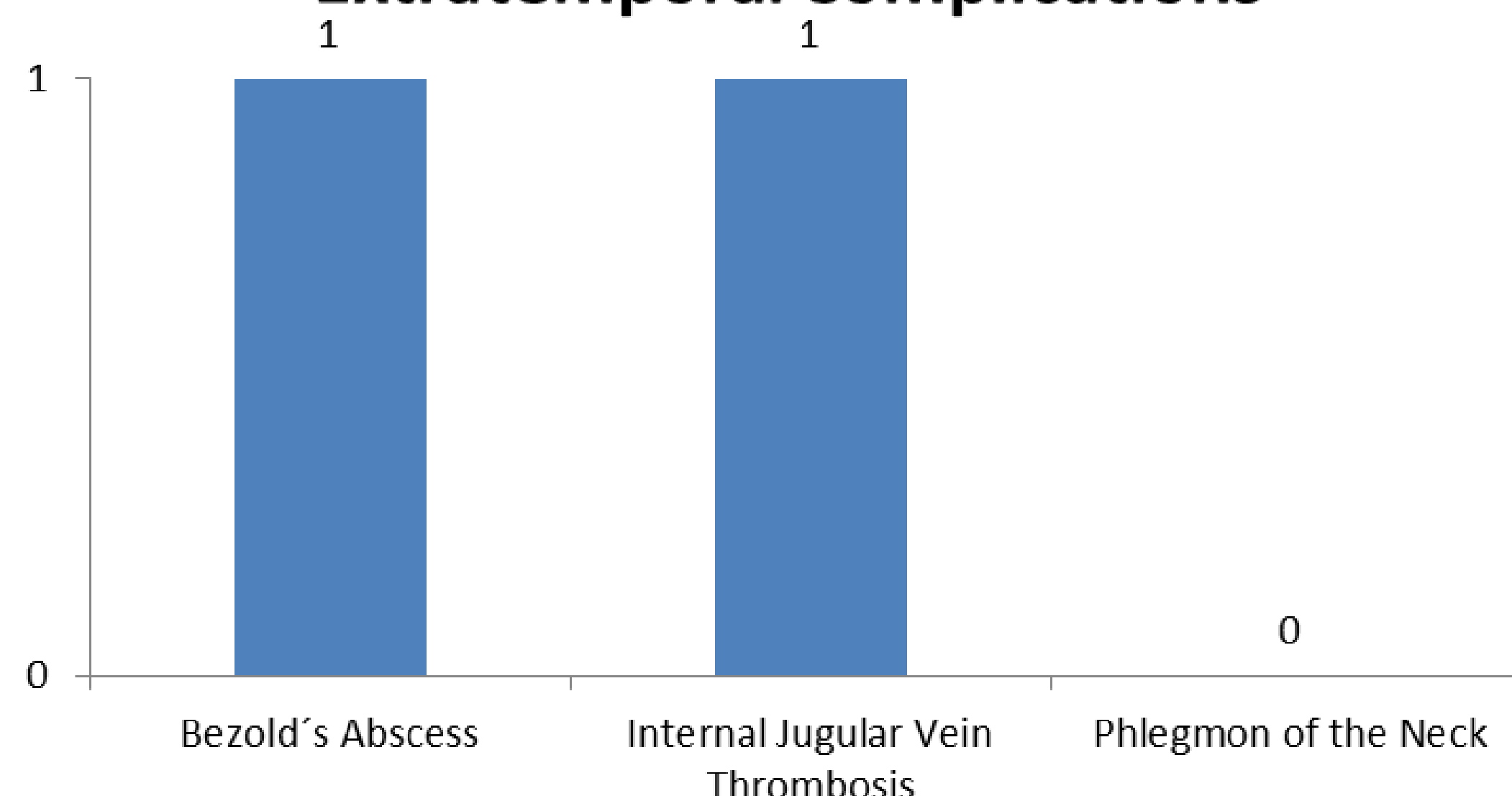
Total number of outpatients treated	46 872			
	AOM 43 242 (92.3 %)	COM 3 630 (7.7 %)	Adults 9 817 (20.94 %)	Children 37 055 (79.06 %)
Hospitalized	1 030 (2.20 %)			
	AOM 547 (53.1 %)	COM 483 (46.9 %)	Adults 458 (4.67 %)	Children 572 (1.54 %)
With the need for surgical treatment	299 (29.03 %)			
	AOM 34 (11.4 %)	COM 265 (88.6 %)	Adults 198 (66.23 %)	Children 101 (33.77 %)

AOM – acute otitis media
COM – chronic otitis media

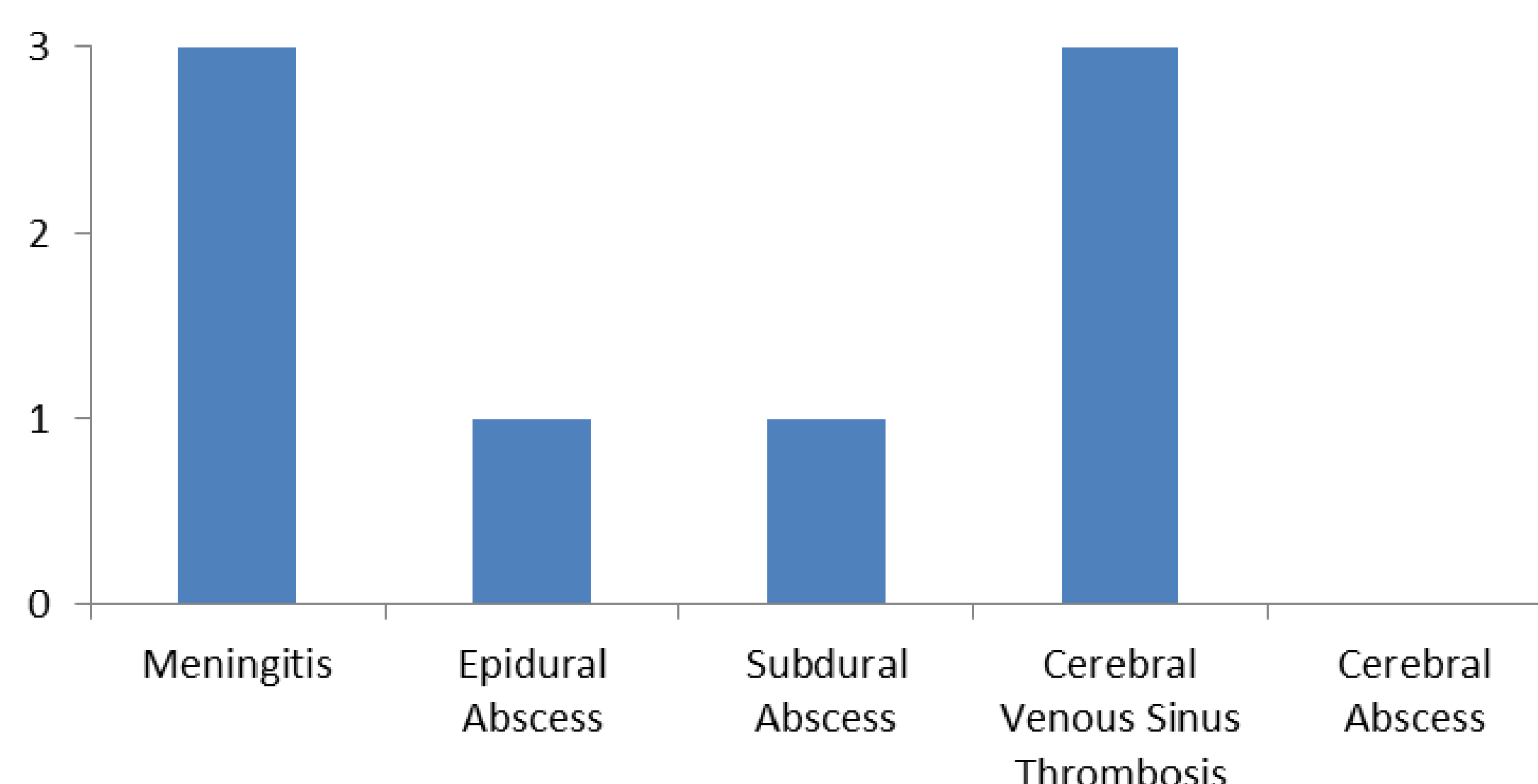
Intratemporal Complications



Extratemporal Complications



Intracranial Complications



CONCLUSION

- Life-threatening complications of OM are rare (0.6 % of OM treated in 10 years)
- Predominance of complications after COM (90 %)
- Adults outnumber children (2:1)
- Early diagnosis and intensive antibiotic treatment are necessary