Objectives: To study the evolution of outpatient procedures in pediatric otology from 2010 to 2016 in our university hospital.

Methods: retrospective study

Results: 2724 procedures concerning 1886 patients, between 01/01/2010 and 31/12/2016 were studied. The median age was 7.3 years and concerned 54.6% of boy and 45.4% girls.

Outpatient procedures went from 59% in 2010 to 75.1% in 2016.

Tymanostomy and grommets were performed in outpatient from 92.6% to 97.9% according to the year.

Tymanoplasty and cholesteatoma removal were performed in outpatient from 12.9% in 2010 to 47.1% in 2016.

Cochlear implant were performed in outpatient from 0 to 43 % from 2010 to 2016.

Readmission occurred in 16 cases in the grommets group (1.15%) and in 24 cases in the tymanoplasty group (2.13%).

Conclusions: Outpatient procedure in pediatric otological procedures is safe and effective