

**Table 3. Occurrence of recurrent otitis media related to presence of penicillin resistant streptococcus pneumoniae in middle ear fluid.**

PRSP infection in middle ear increase the risk of developing recurrent otitis media, compared with the others.

	ROM(+)	ROM(-)	Total
PRSP	8	0	8
The others	42	37	79

P=0.011

ROM=recurrent otitis media

MEF=middle ear fluid

PRSP=penicillin resistant streptococcus pneumoniae

**Table 4. Occurrence of otitis media with effusion related to presence of viral infection in middle ear.**

Presence of otitis media with effusion was evaluated at 6 months after initial treatments. Viral infection in middle ear increase the risk of developing otitis media with effusion.

	viral infection(+)	viral infection(-)	total
OME(+)	8	1	9
OME(-)	24	21	45

P=0.048

OME=otitis media with effusion

**Table 5. The relation of patients' age and occurrence of recurrent otitis media**

Children under 2 years old had increased the risk of developing recurrent otitis media.

age	ROM(+)	ROM(-)	total
$\leq 2$	18	19	37
$2 <$	2	15	17
total	20	34	54

P=0.009

ROM=recurrent otitis media