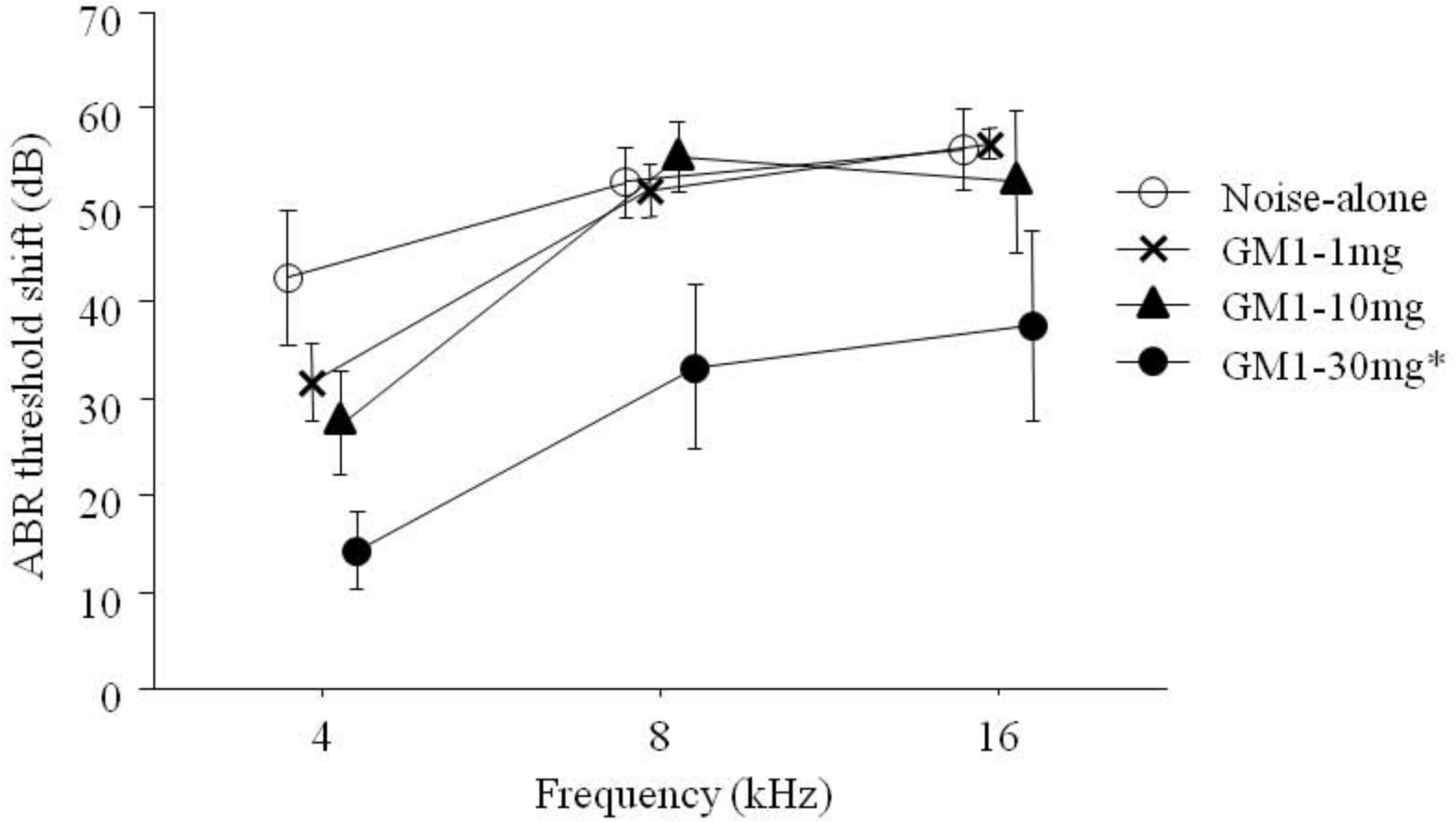
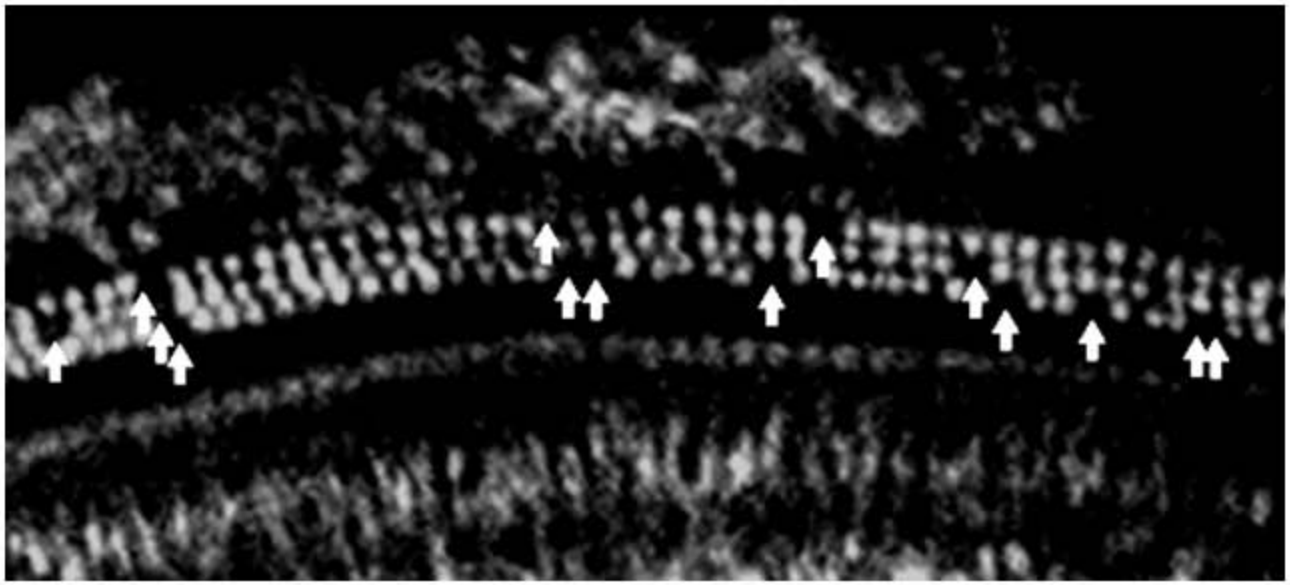

70
60
50
40
30
20
10
0
ABR threshold shift (dB)
4
8
16
Frequency (kHz)
Noise-alone
GM1-1mg
GM1-10mg
GM1-30mg*

Fig1

A



B

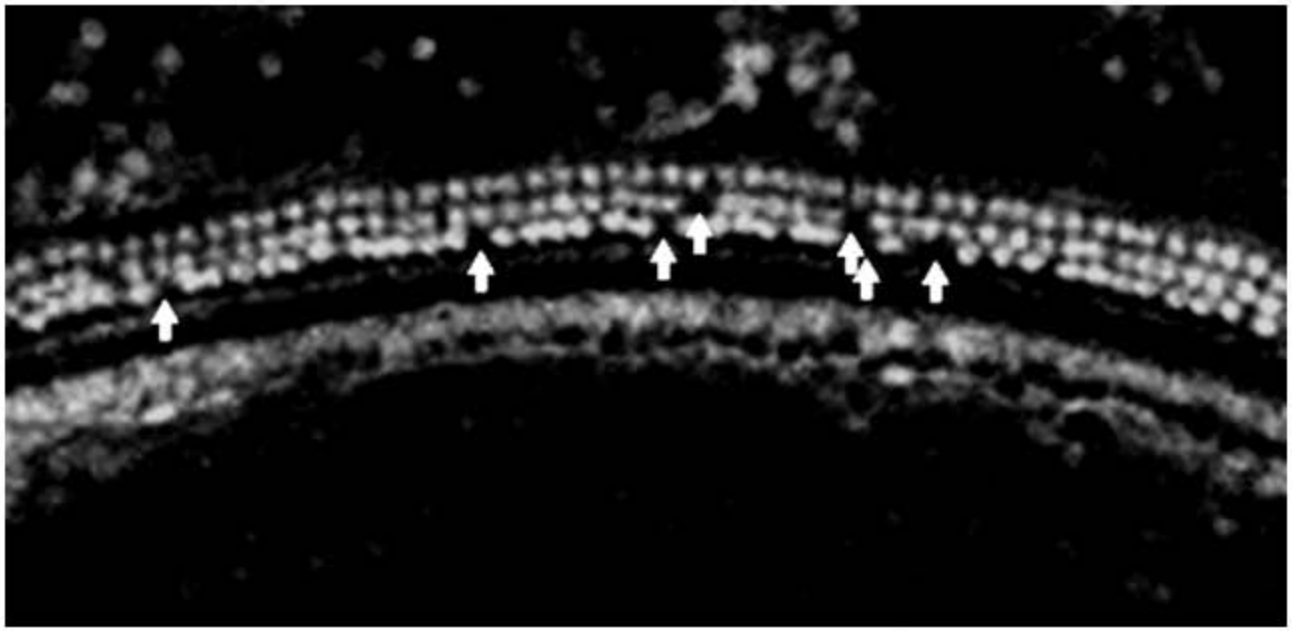


Fig2

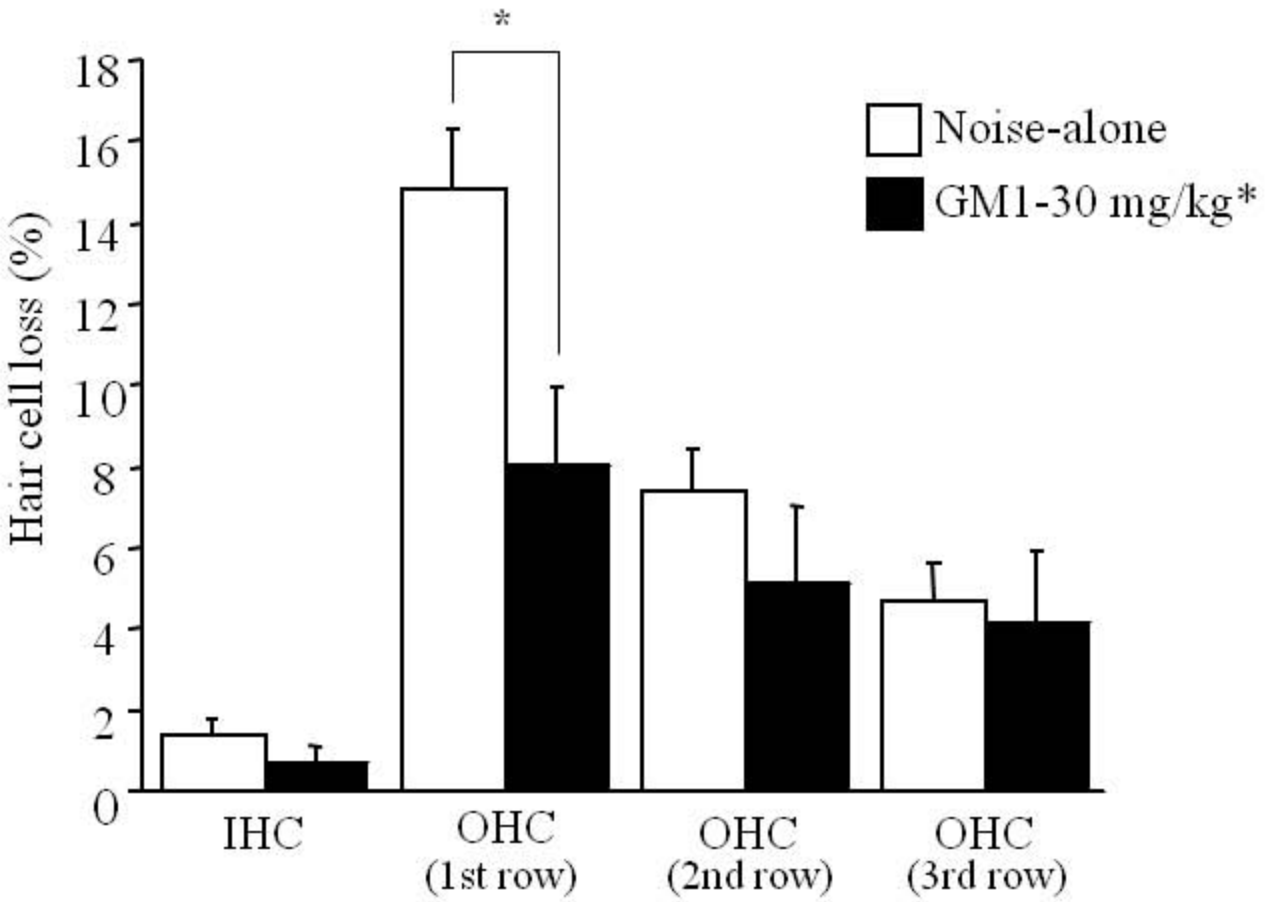

*
18
16
14
12
10
8
6
4
2
0
Hair cell loss (%)
Noise-alone
GM1-30 mg/kg*
IHC
OHC
(1st row)
OHC
(2nd row)
OHC
(3rd row)

Fig3

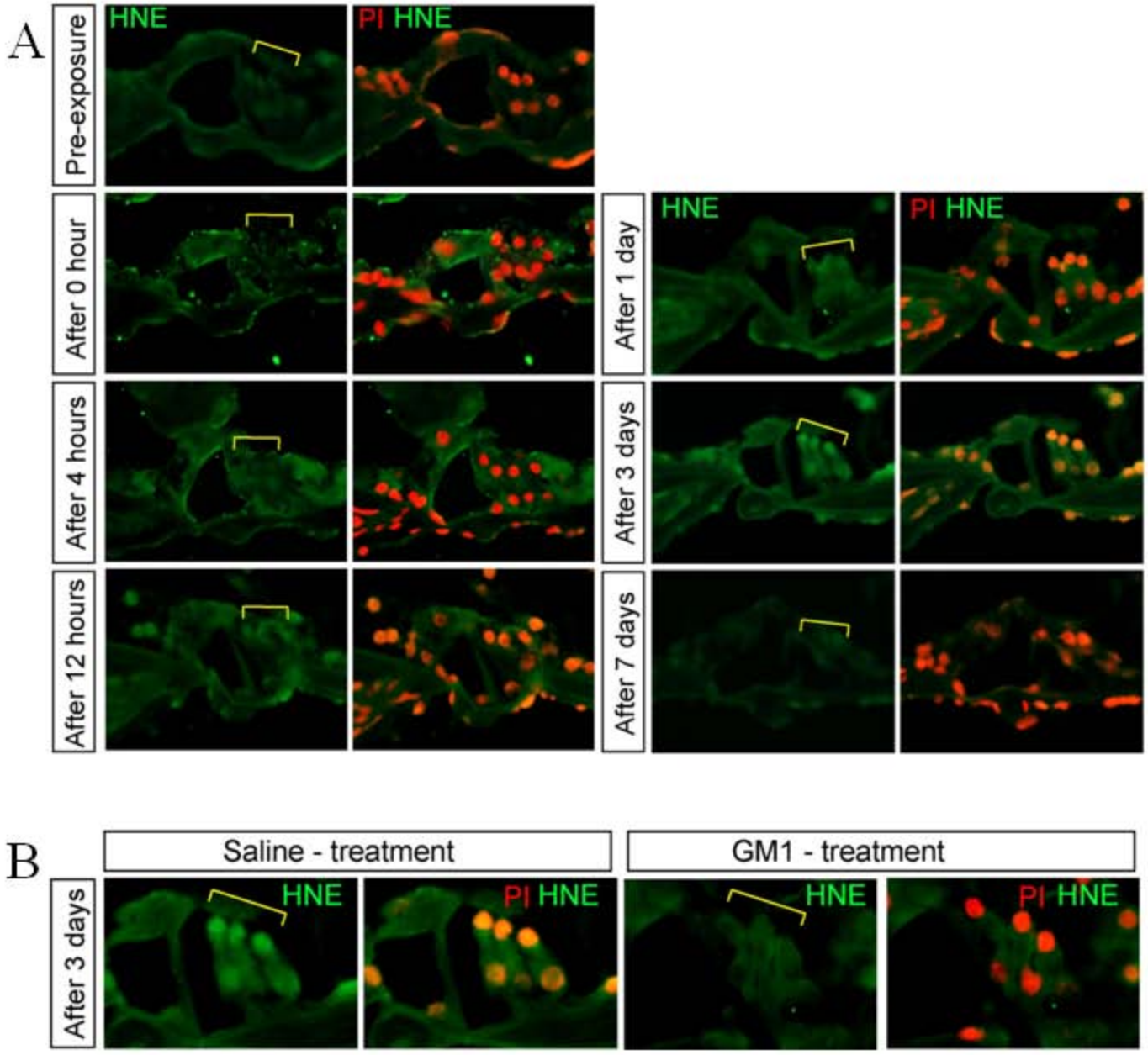

A
Pre-exposure
HNE
PI HNE
After 0 hour
After 1 day
After 4 hours
After 3 days
After 12 hours
After 7 days
B
Saline - treatment
GM1 - treatment
After 3 days
HNE
PI HNE

Fig4

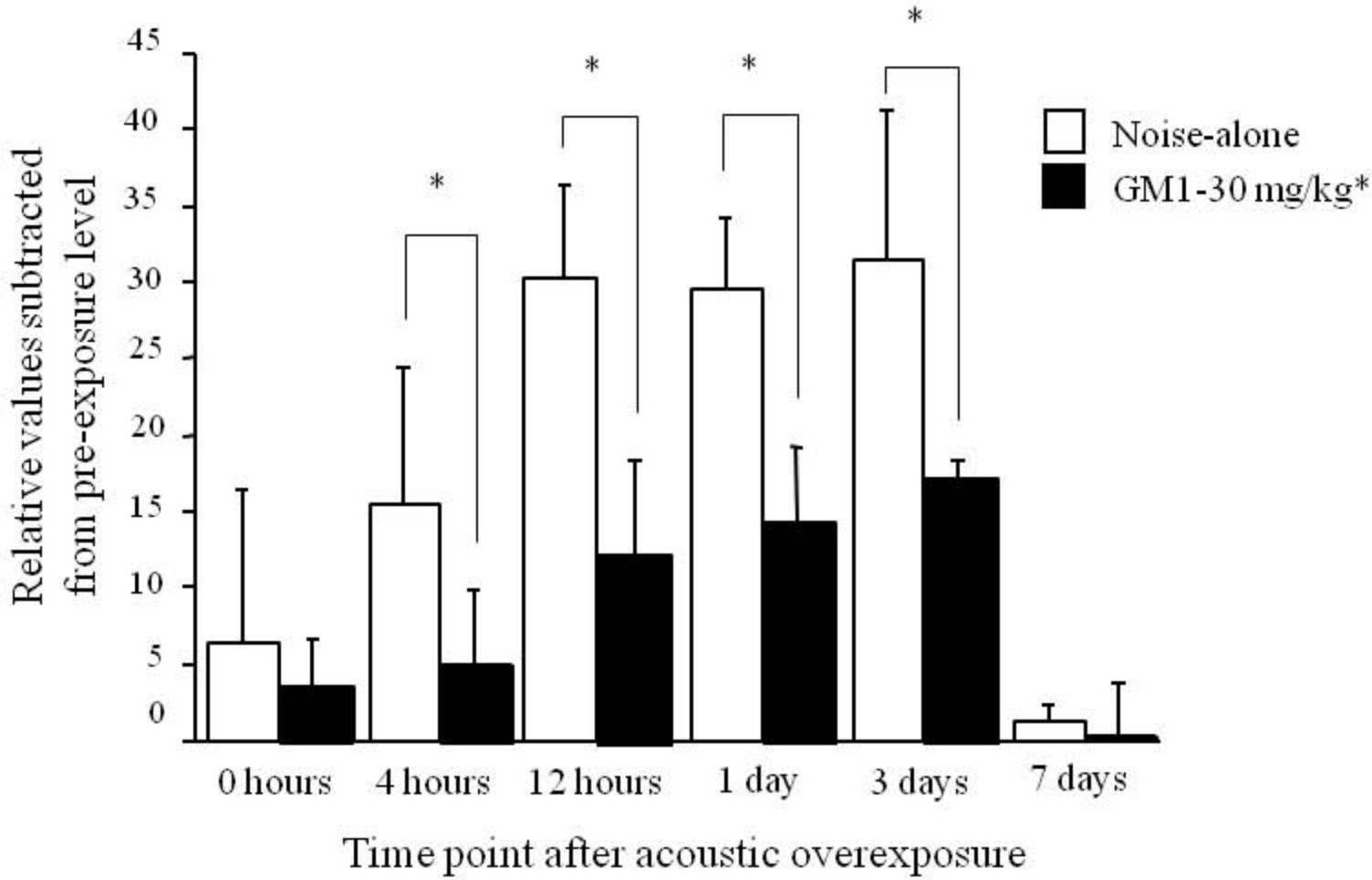

Relative values subtracted from pre-exposure level
45
40
35
30
25
20
15
10
5
0
*
*
*
*
Noise-alone
GM1-30 mg/kg*
0 hours
4 hours
12 hours
1 day
3 days
7 days
Time point after acoustic overexposure

Fig5