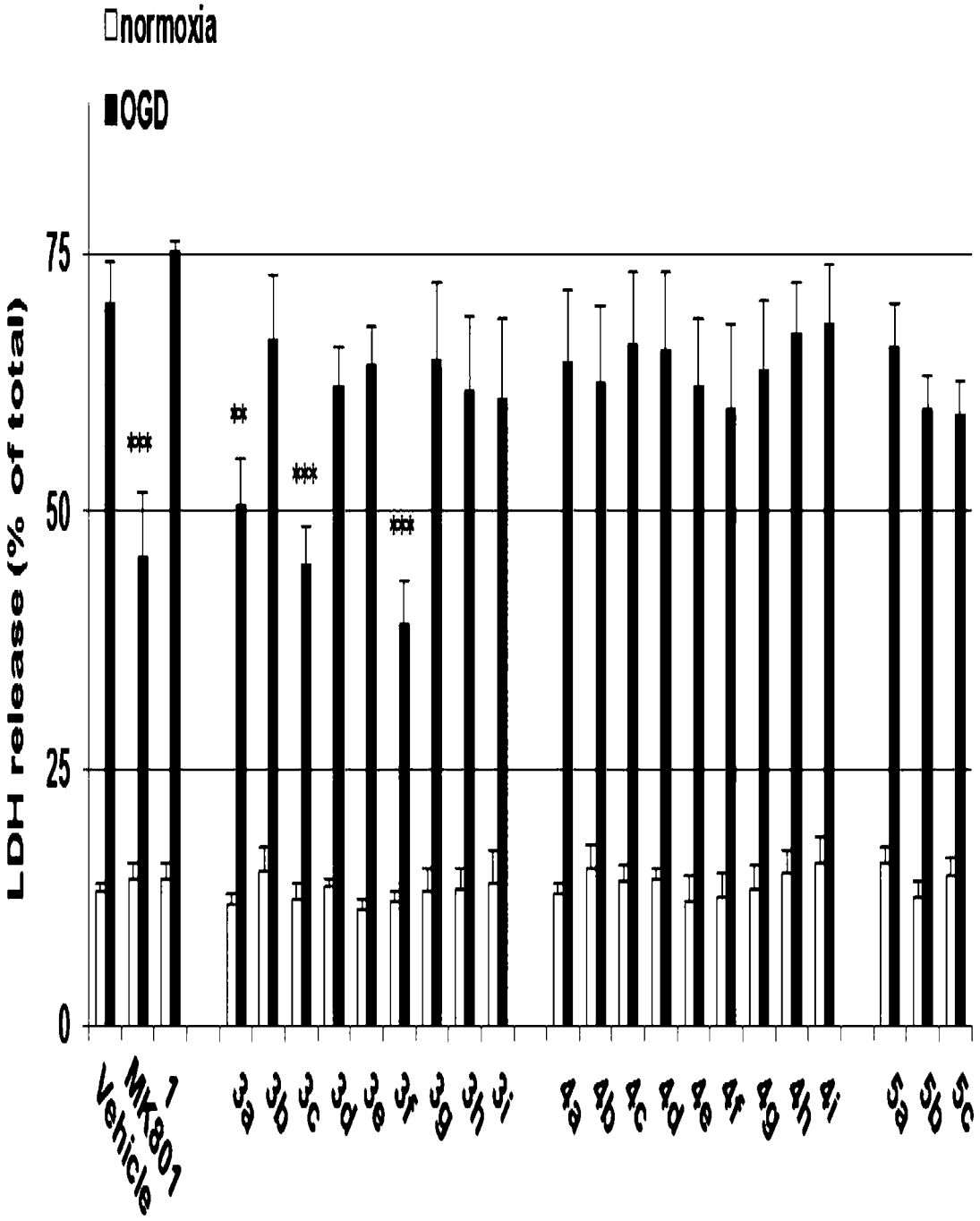
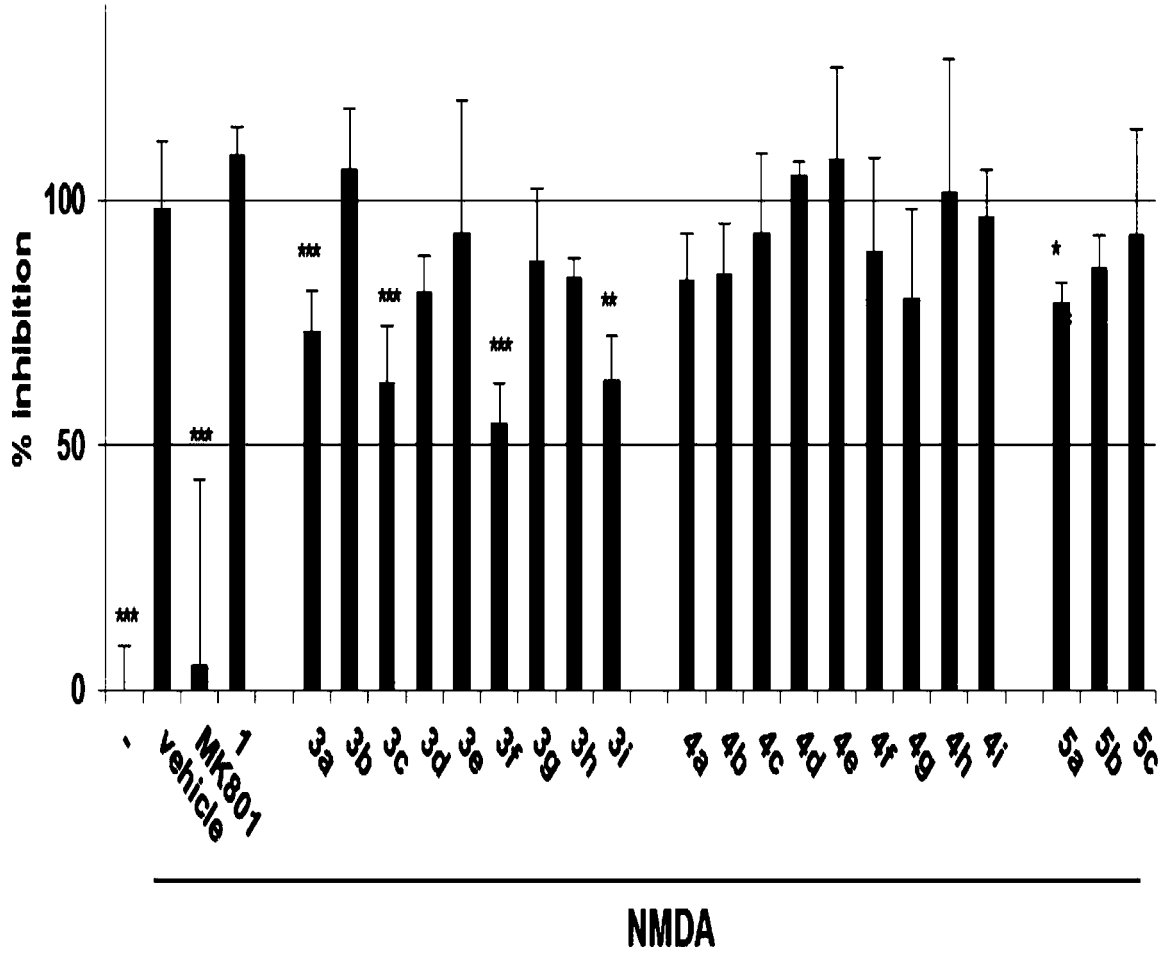
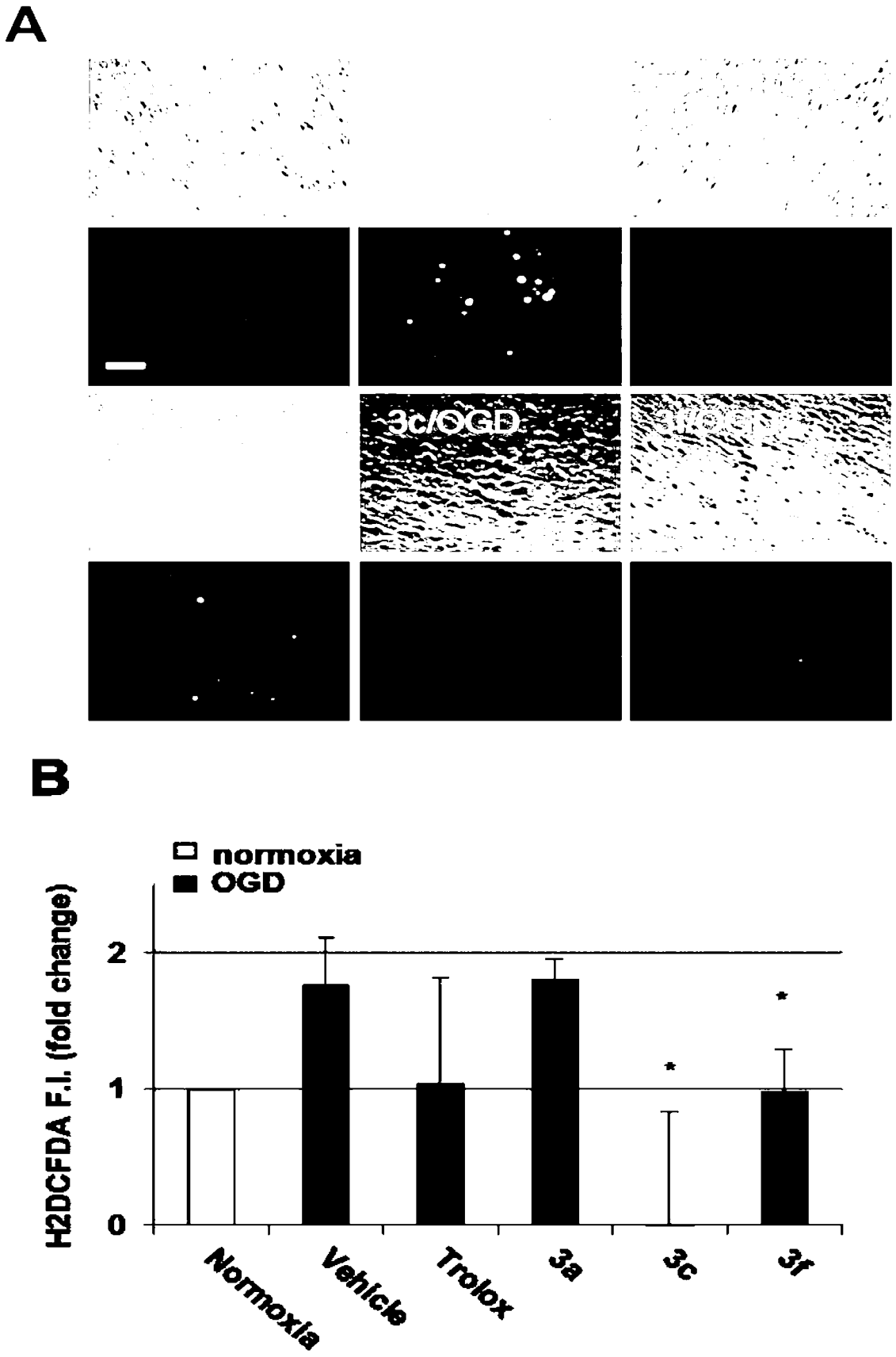
[Fig. 1]


normoxia
OGD
LDH release (% of total)
75
50
25
0
***
**
***
***
Vehicle
MK801
3a
3b
3c
3d
3e
3f
3g
3h
3i
4a
4b
4c
4d
4e
4f
4g
4h
4i
5a
5b
5c

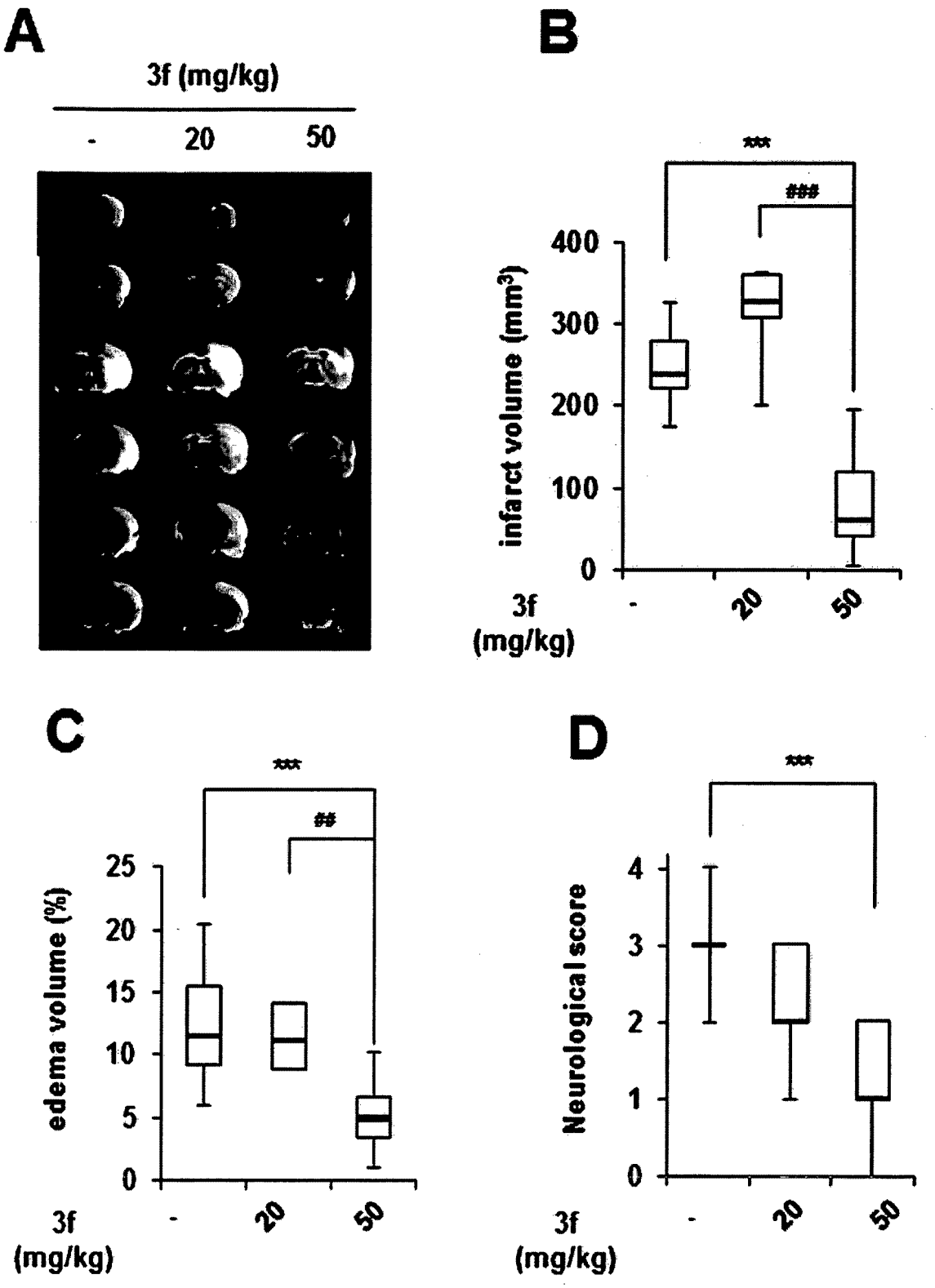
[Fig. 2]


% inhibition
100
50
0
-
vehicle
MK801
1
3a
3b
3c
3d
3e
3f
3g
3h
3i
4a
4b
4c
4d
4e
4f
4g
4h
4i
5a
5b
5c
NMDA

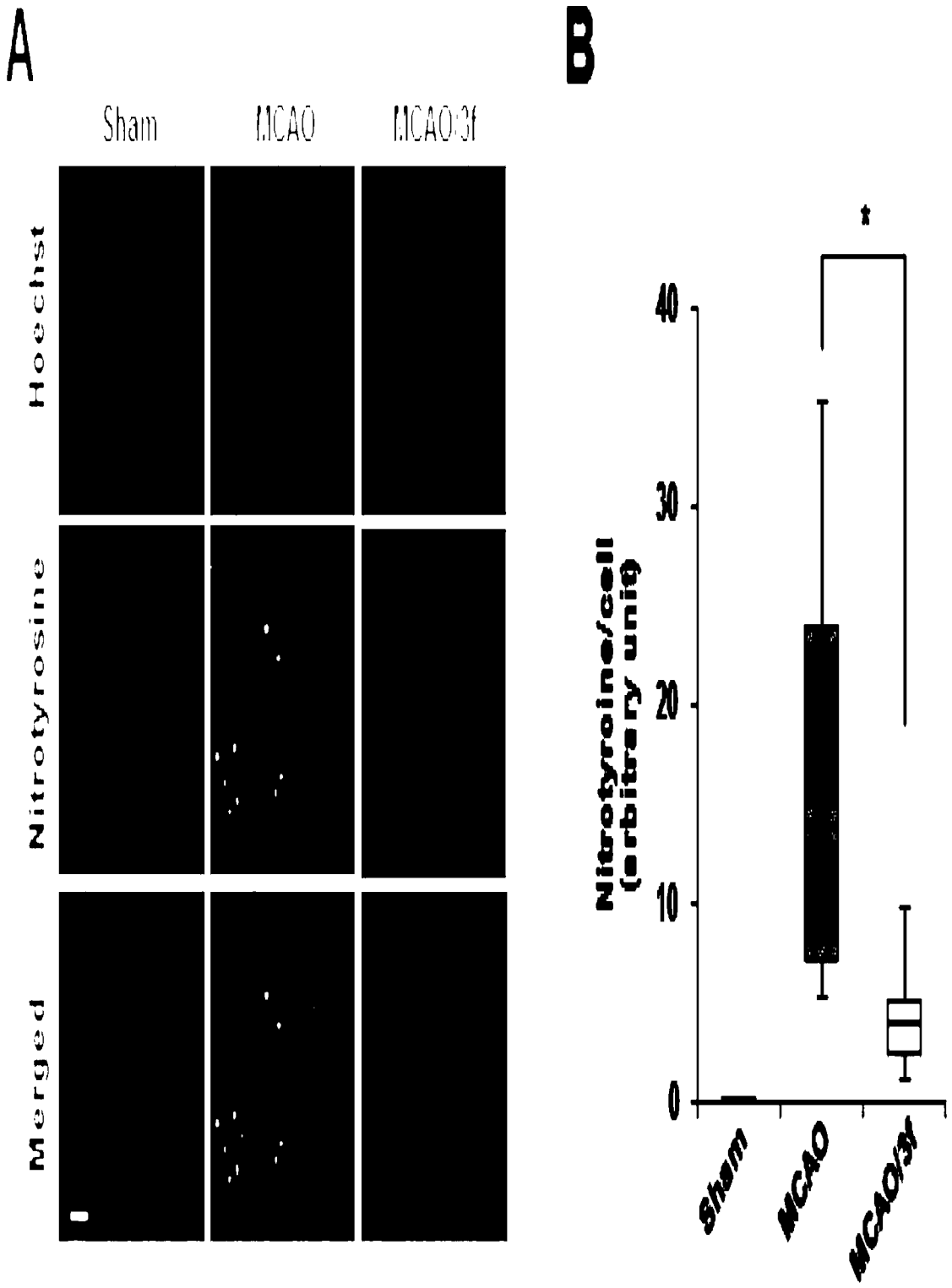
[Fig. 3]


A
3c/OGD
B
normoxia
OGD
H2DCFDA F.I. (fold change)
2
1
0
Normoxia
Vehicle
Trolox
3a
3c
3f
*
*

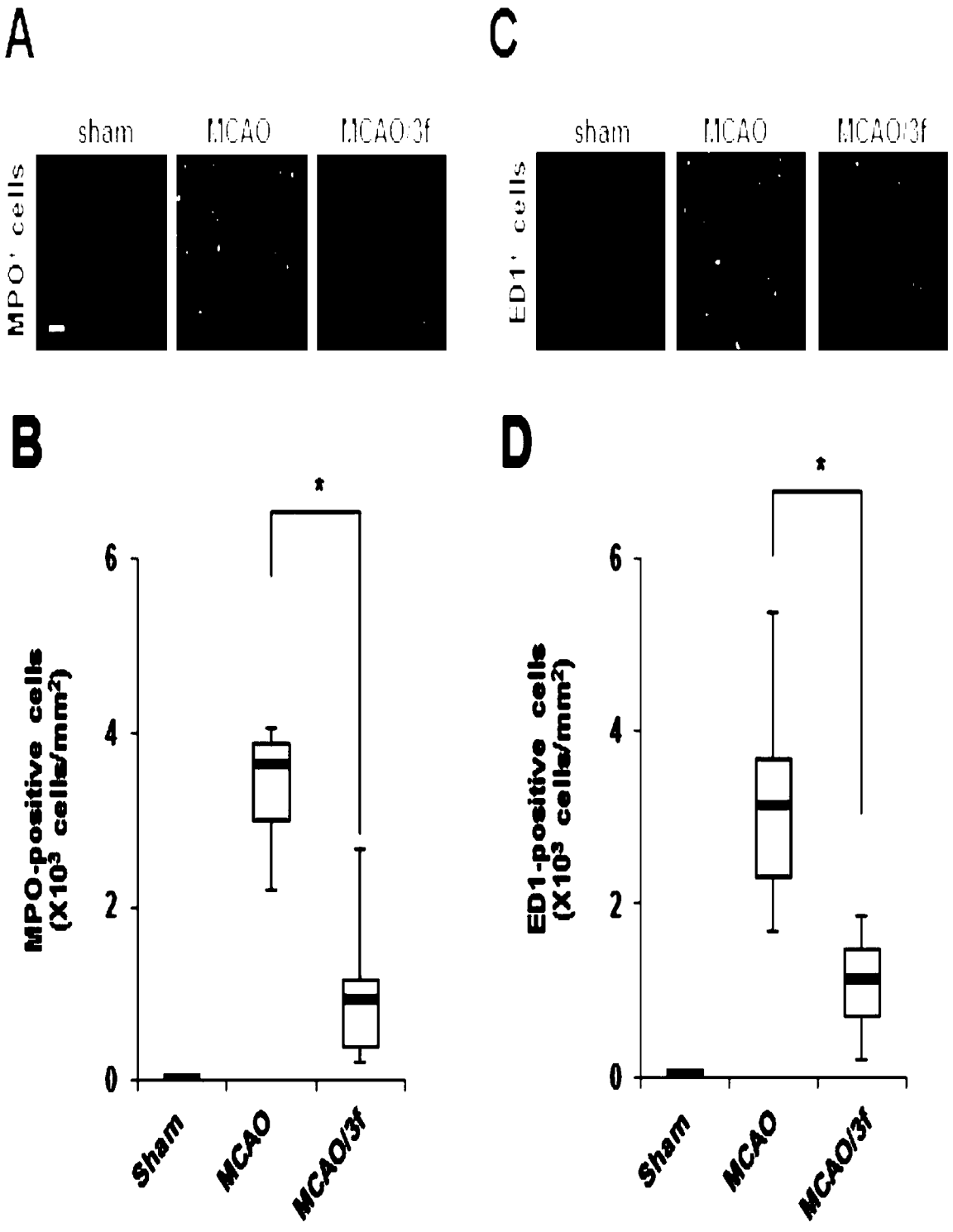
[Fig. 4]


A
3f (mg/kg)
-
20
50
B
***
###
infarct volume (mm3)
400
300
200
100
0
3f
(mg/kg)
-
20
50
C
***
##
edema volume (%)
25
20
15
10
5
0
3f
(mg/kg)
-
20
50
D
***
Neurological score
4
3
2
1
0
3f
(mg/kg)
-
20
50

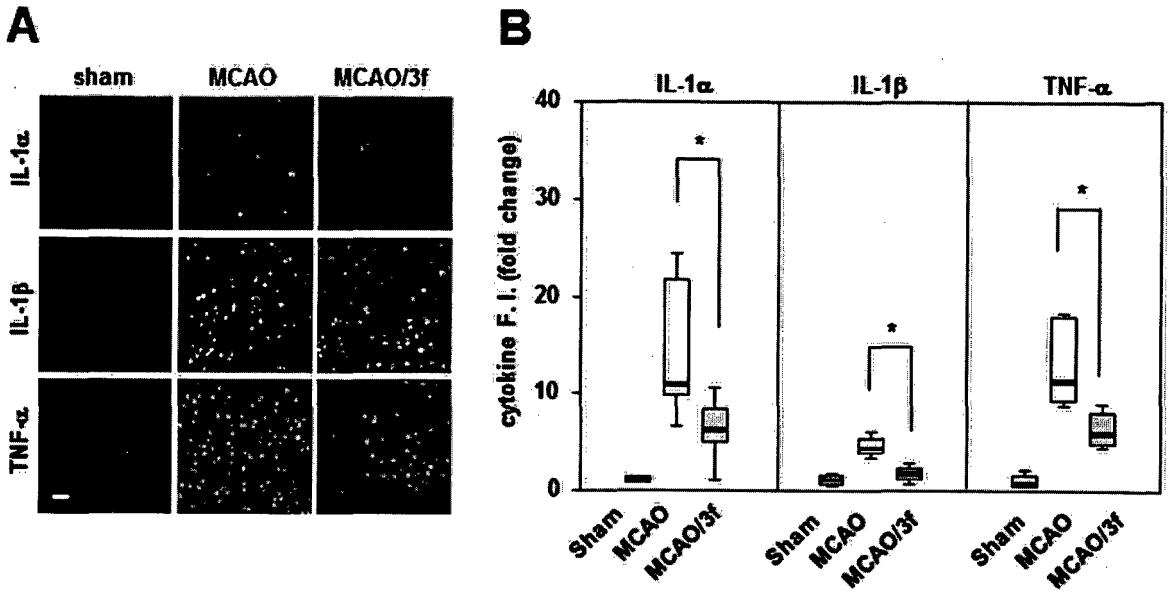
[Fig. 5]


A
Sham
MCAO
MCAO/3f
Hoechst
Nitrotyrosine
Merged
B
*
Nitrotyroine/cell (arbitrary unit)
40
30
20
10
0
Sham
MCAO
MCAO/3f

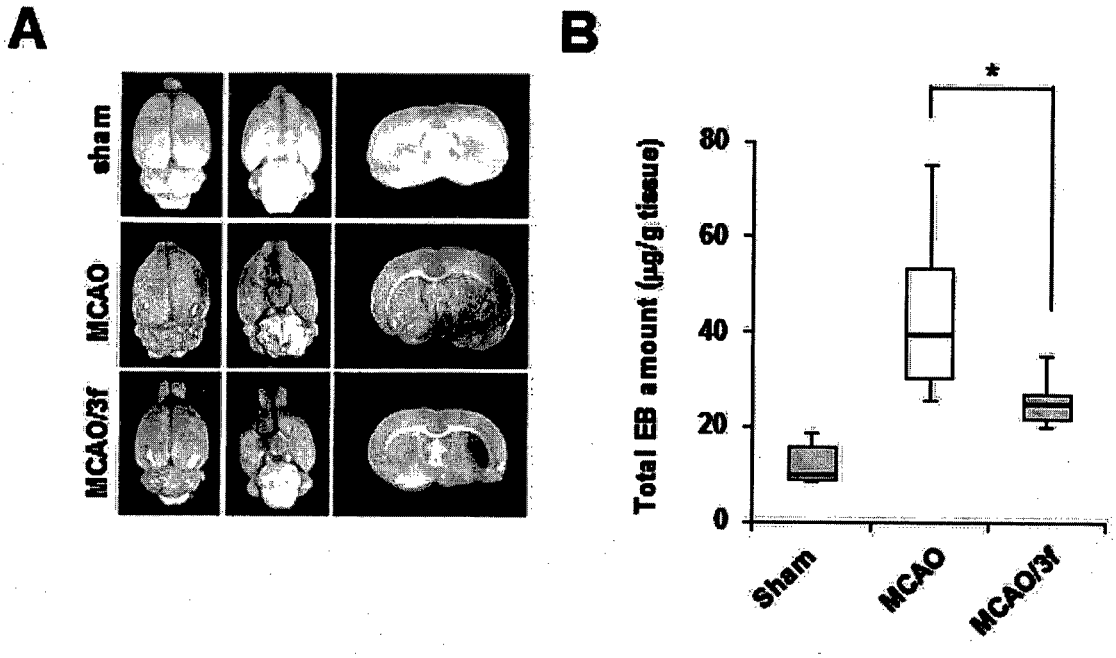
[Fig. 6]


A
sham
MCAO
MCAO/3f
MPO+ cells
C
sham
MCAO
MCAO/3f
ED1+ cells
B
MPO-positive cells
(X10³ cells/mm²)
0
2
4
6
*
Sham
MCAO
MCAO/3f
D
ED1-positive cells
(X10³ cells/mm²)
0
2
4
6
*
Sham
MCAO
MCAO/3f

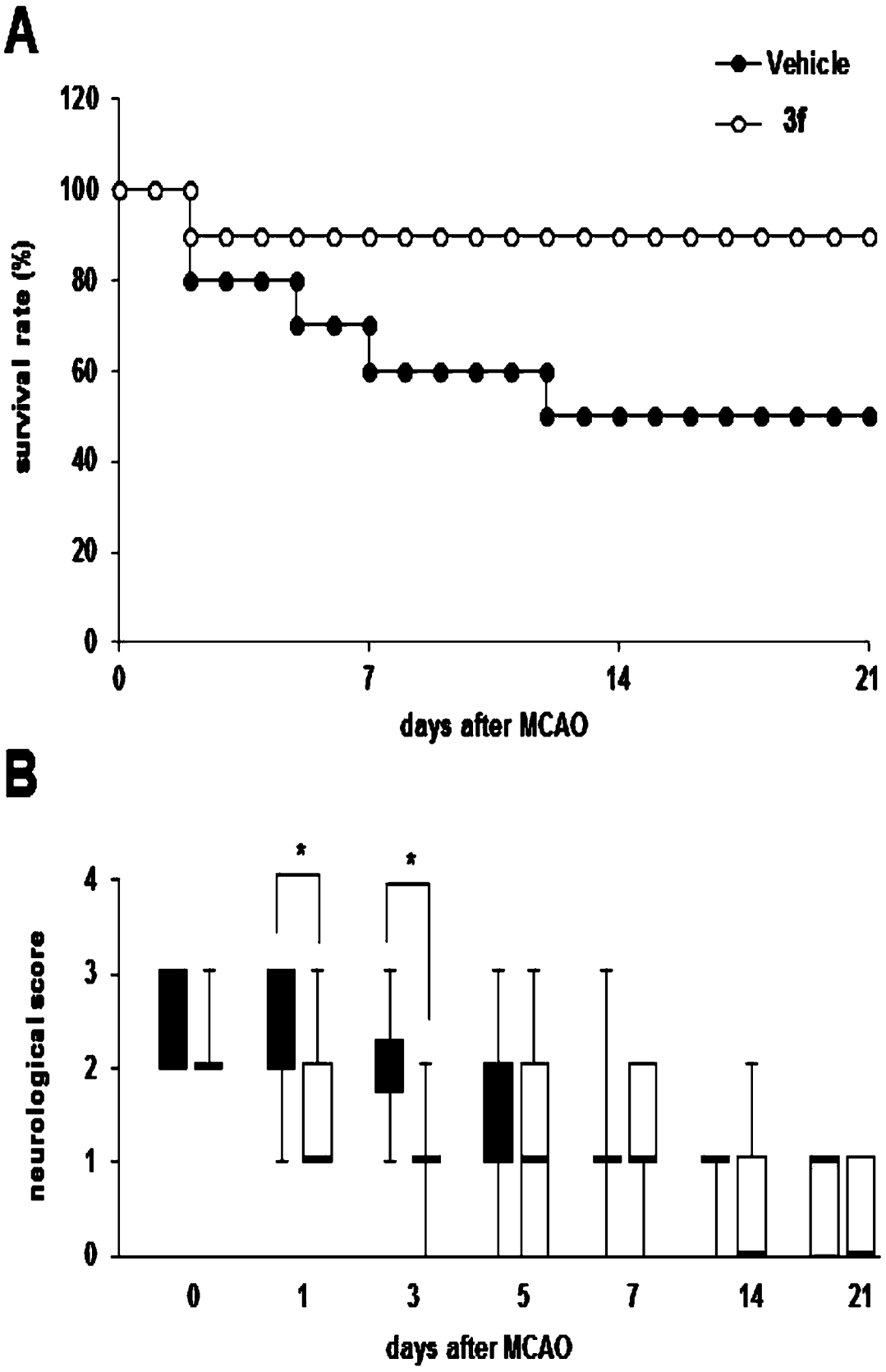
[Fig. 7]


A
sham
MCAO
MCAO/3f
IL-1α
IL-1β
TNF-α
B
IL-1α
IL-1β
TNF-α
cytokine F. I. (fold change)
40
30
20
10
0
*
Sham
MCAO
MCAO/3f

[Fig. 8]


A
sham
MCAO
MCAO/3f
B
Total EB amount (μg/g tissue)
0
20
40
60
80
*
Sham
MCAO
MCAO/3f

[Fig. 9]


A
Vehicle
3f
survival rate (%)
120
100
80
60
40
20
0
0
7
14
21
days after MCAO
B
neurological score
4
3
2
1
0
*
*
0
1
3
5
7
14
21
days after MCAO

[Fig. 10]

