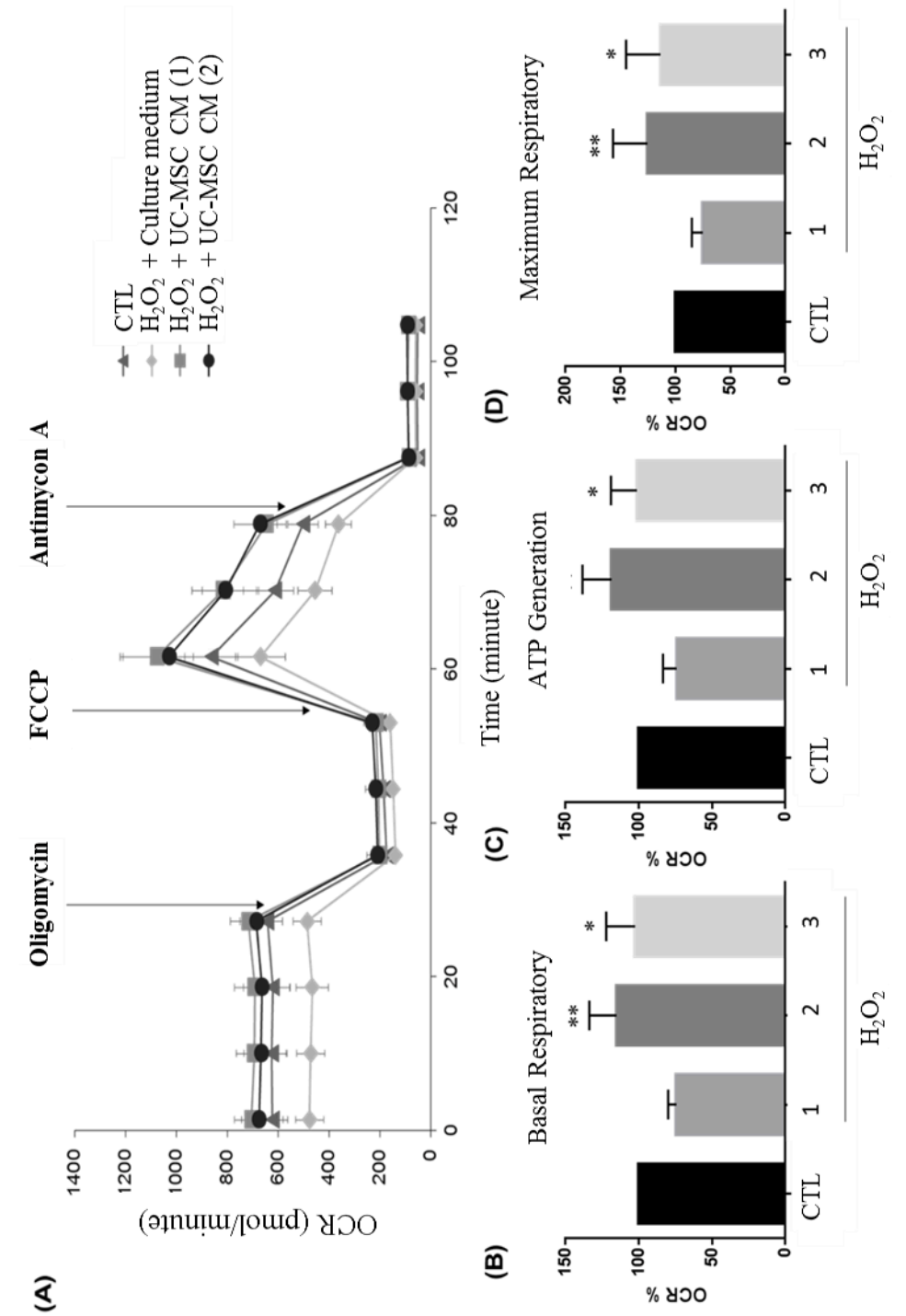

(A)
Oligomycin
FCCP
Antimycon A
CTL
H2O2 + Culture medium
H2O2 + UC-MSC CM (1)
H2O2 + UC-MSC CM (2)
OCR (pmol/minute)
Time (minute)
(B)
Basal Respiratory
(C)
ATP Generation
(D)
Maximum Respiratory
OCR %
CTL
H2O2

Fig. 1

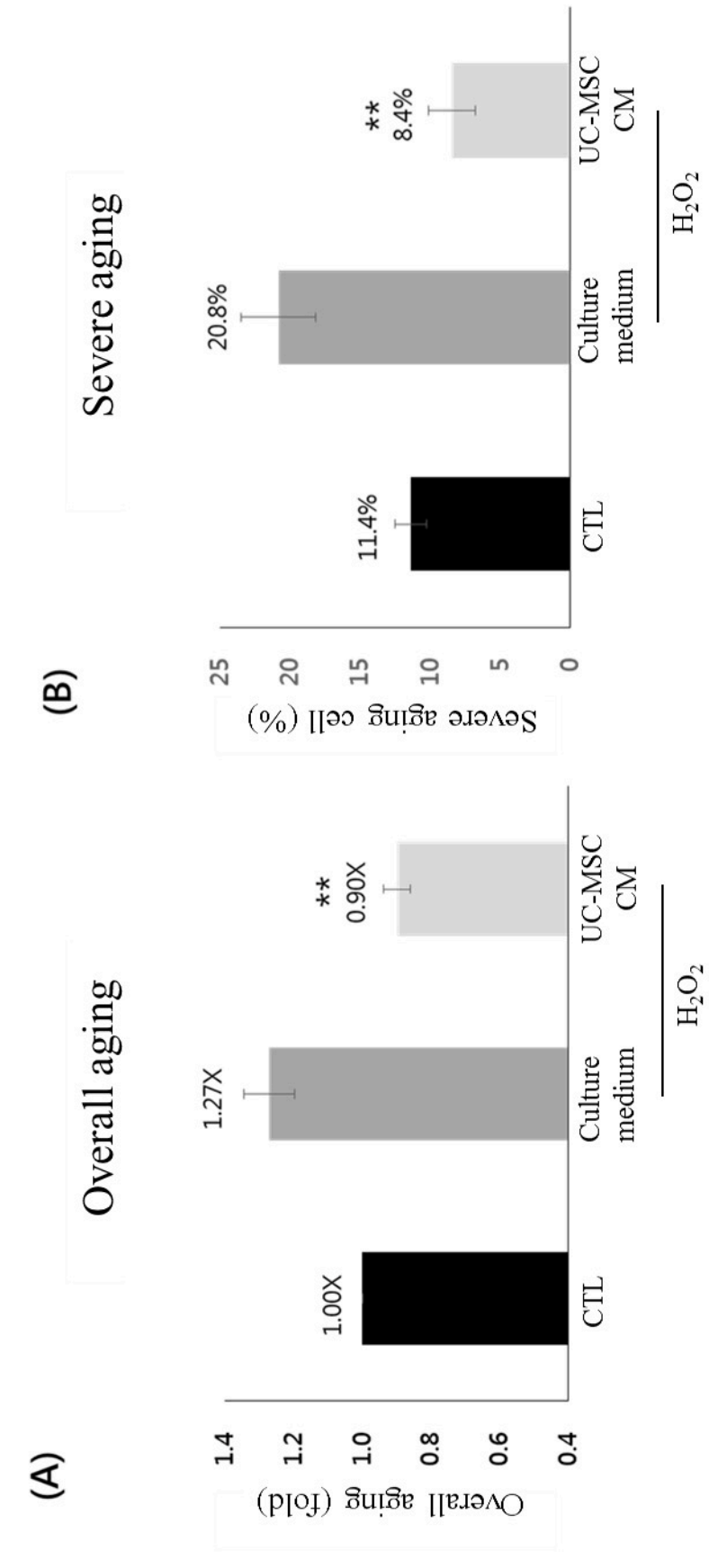

(A)
Overall aging
Overall aging (fold)
1.4
1.2
1.0
0.8
0.6
0.4
1.00X
1.27X
** 0.90X
CTL
Culture medium
UC-MSC CM
H2O2
(B)
Severe aging
Severe aging cell (%)
25
20
15
10
5
0
11.4%
20.8%
** 8.4%
CTL
Culture medium
UC-MSC CM
H2O2

Fig. 2

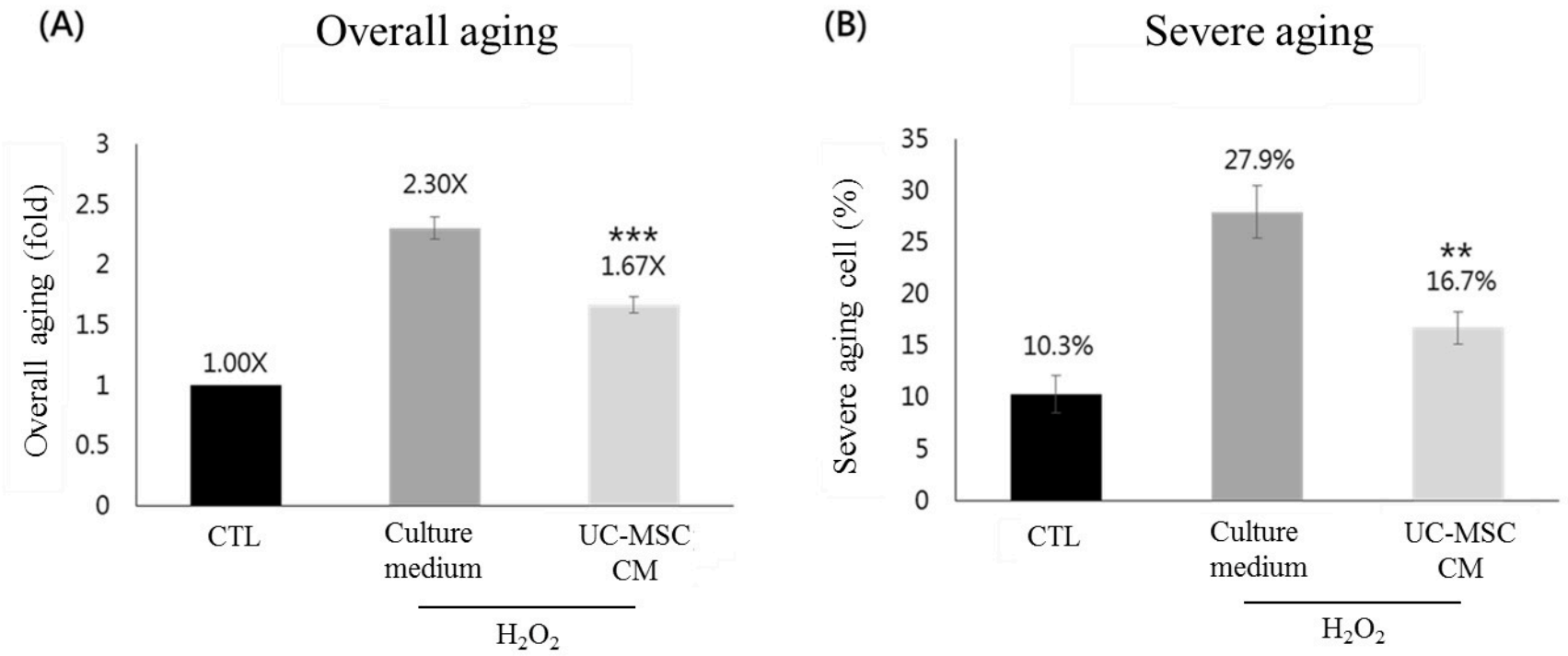

(A)
Overall aging
Overall aging (fold)
3
2.5
2
1.5
1
0.5
0
1.00X
2.30X
***
1.67X
CTL
Culture medium
UC-MSC CM
H2O2
(B)
Severe aging
Severe aging cell (%)
35
30
25
20
15
10
5
0
10.3%
27.9%
**
16.7%
CTL
Culture medium
UC-MSC CM
H2O2

Fig. 3