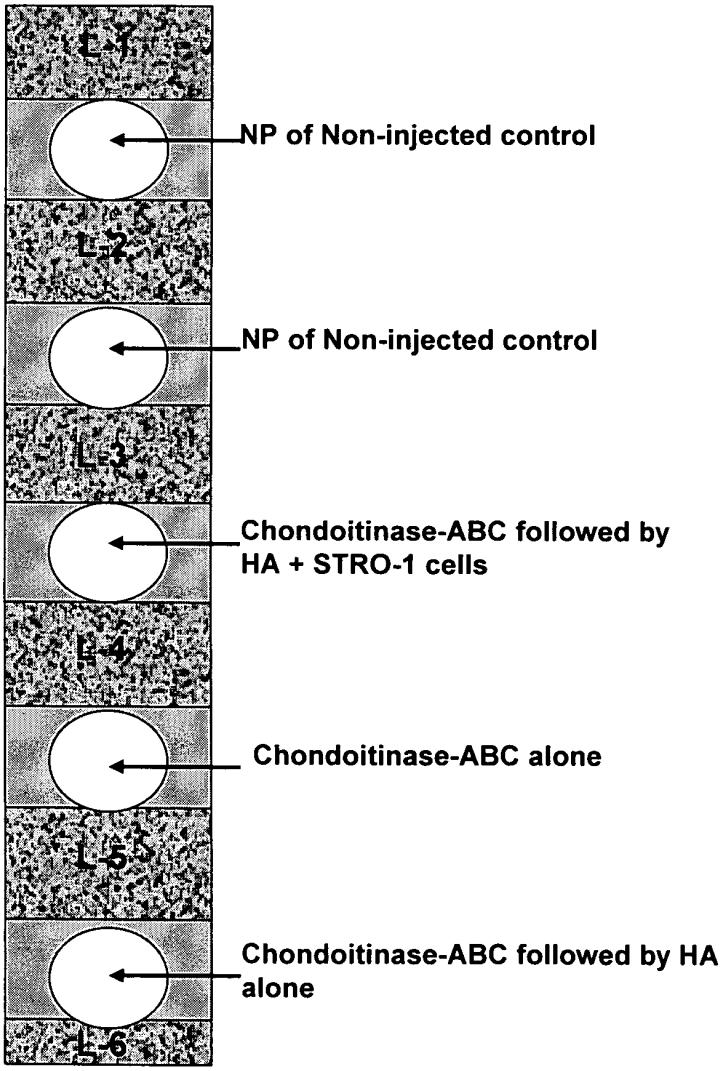

L-1
NP of Non-injected control
L-2
NP of Non-injected control
L-3
Chondoitinase-ABC followed by HA + STRO-1 cells
L-4
Chondoitinase-ABC alone
L-5
Chondoitinase-ABC followed by HA alone
L-6

Figure 1

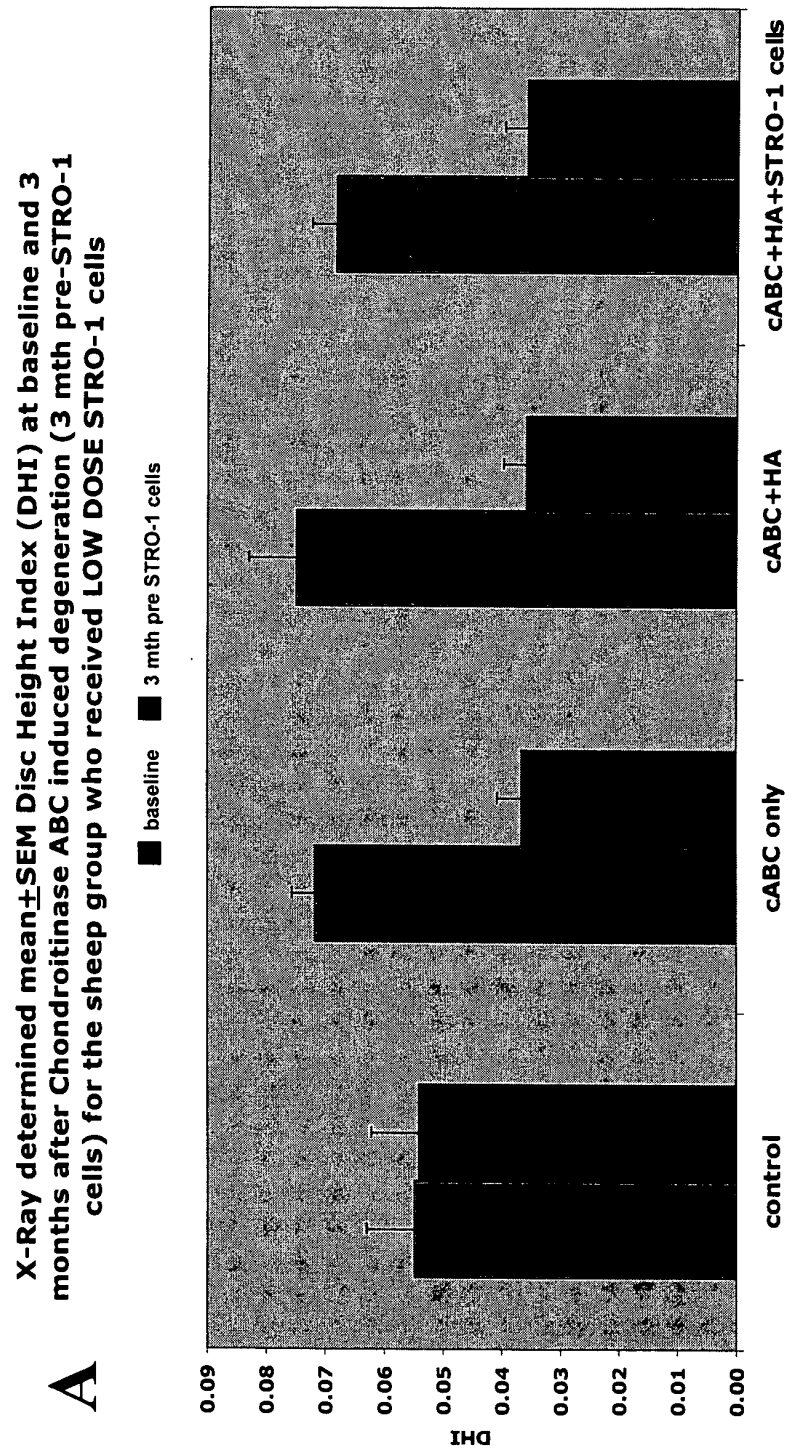
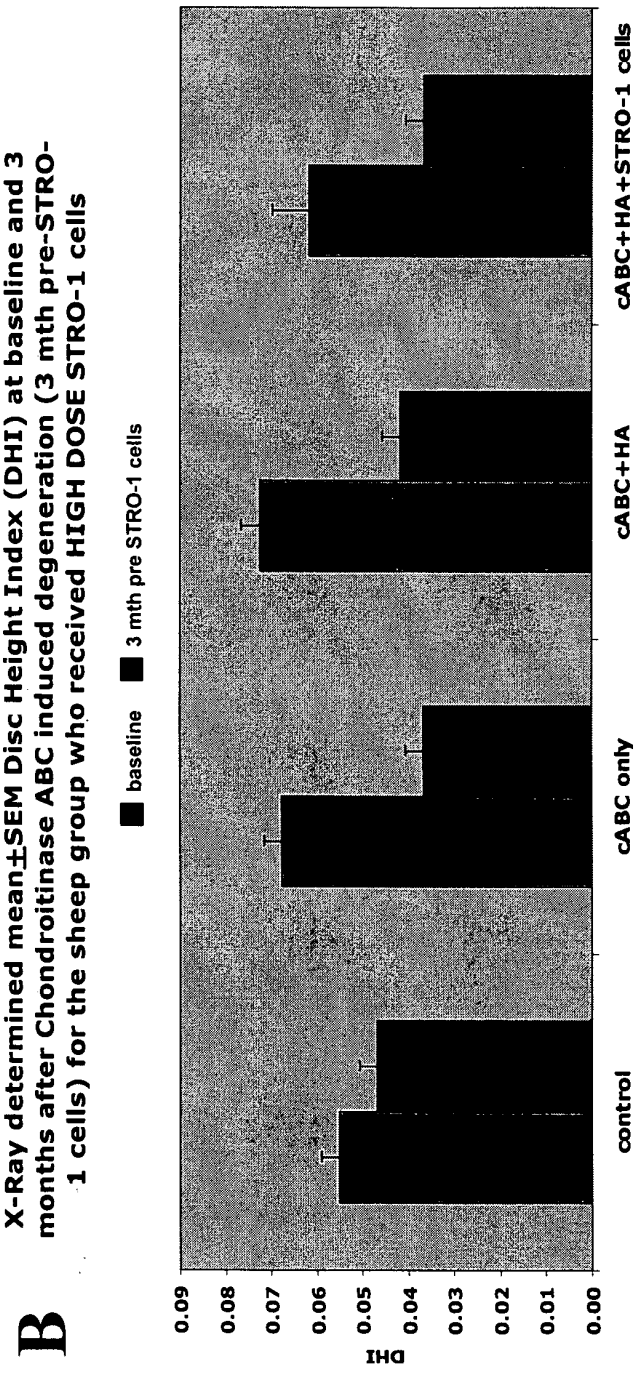

A
X-Ray determined mean±SEM Disc Height Index (DHI) at baseline and 3 months after Chondroitinase ABC induced degeneration (3 mth pre-STRO-1 cells) for the sheep group who received LOW DOSE STRO-1 cells
baseline
3 mth pre STRO-1 cells
DHI
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
control
cABC only
cABC+HA
cABC+HA+STRO-1 cells
PRE-INJECTION LOW DOSE STRO-1 CELLS

Figure 2



PRE-INJECTION HIGH DOSE STRO-1 CELLS

Figure 2 (continued)

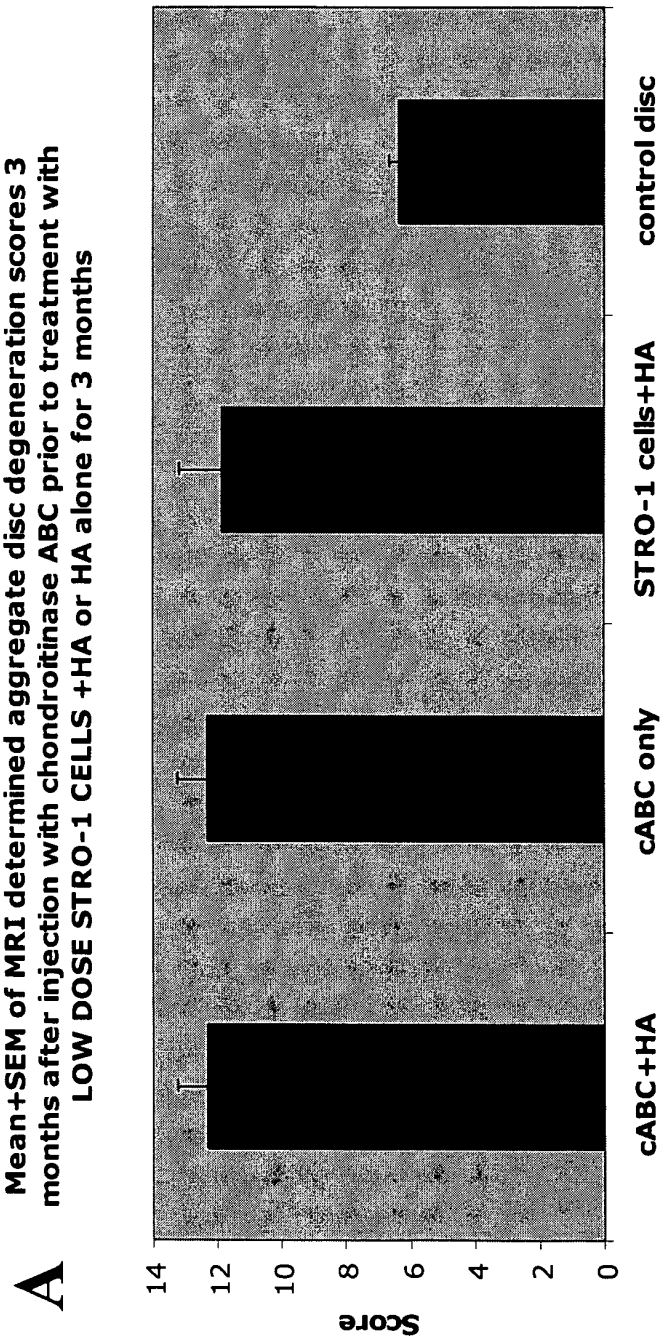

A
Mean+SEM of MRI determined aggregate disc degeneration scores 3 months after injection with chondroitinase ABC prior to treatment with LOW DOSE STRO-1 CELLS +HA or HA alone for 3 months
Score
0
2
4
6
8
10
12
14
cABC+HA
cABC only
STRO-1 cells+HA
control disc
3 MONTHS LOW DOSE STRO-1 CELLS

Figure 3

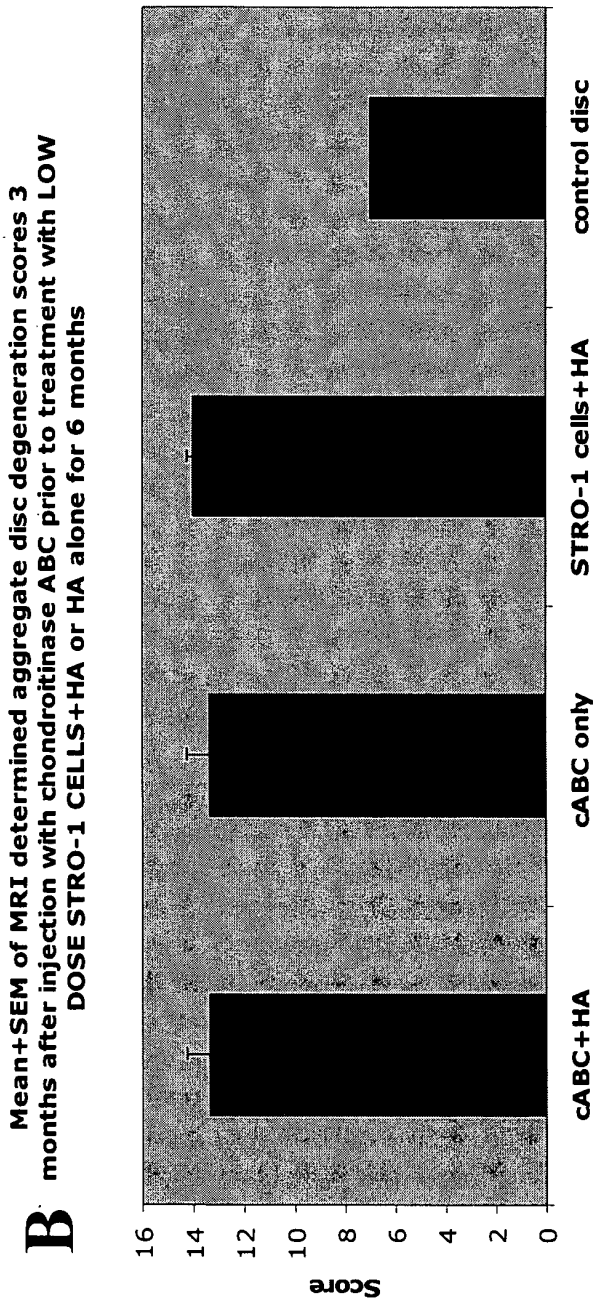


Figure 3 (continued)

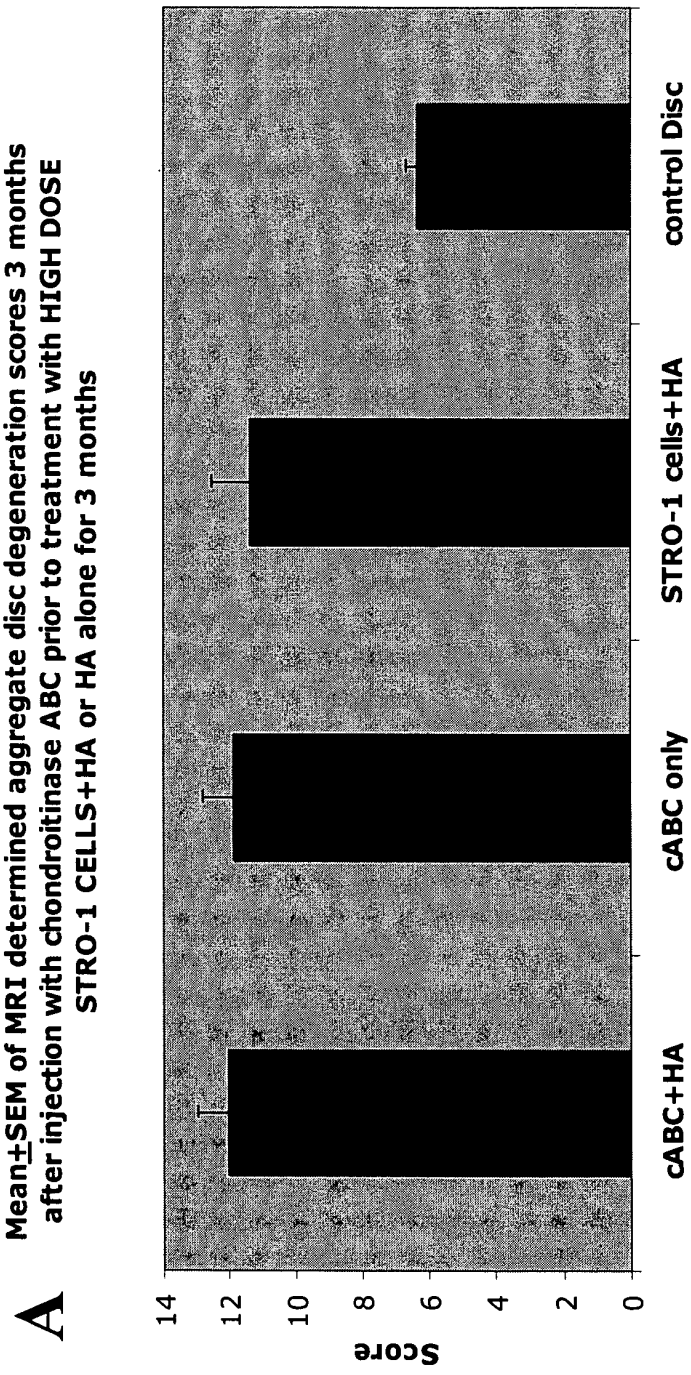

A
Mean±SEM of MRI determined aggregate disc degeneration scores 3 months after injection with chondroitinase ABC prior to treatment with HIGH DOSE STRO-1 CELLS+HA or HA alone for 3 months
Score
0
2
4
6
8
10
12
14
cABC+HA
cABC only
STRO-1 cells+HA
control Disc
3 MONTHS HIGH DOSE STRO-1 CELLS

Figure 4

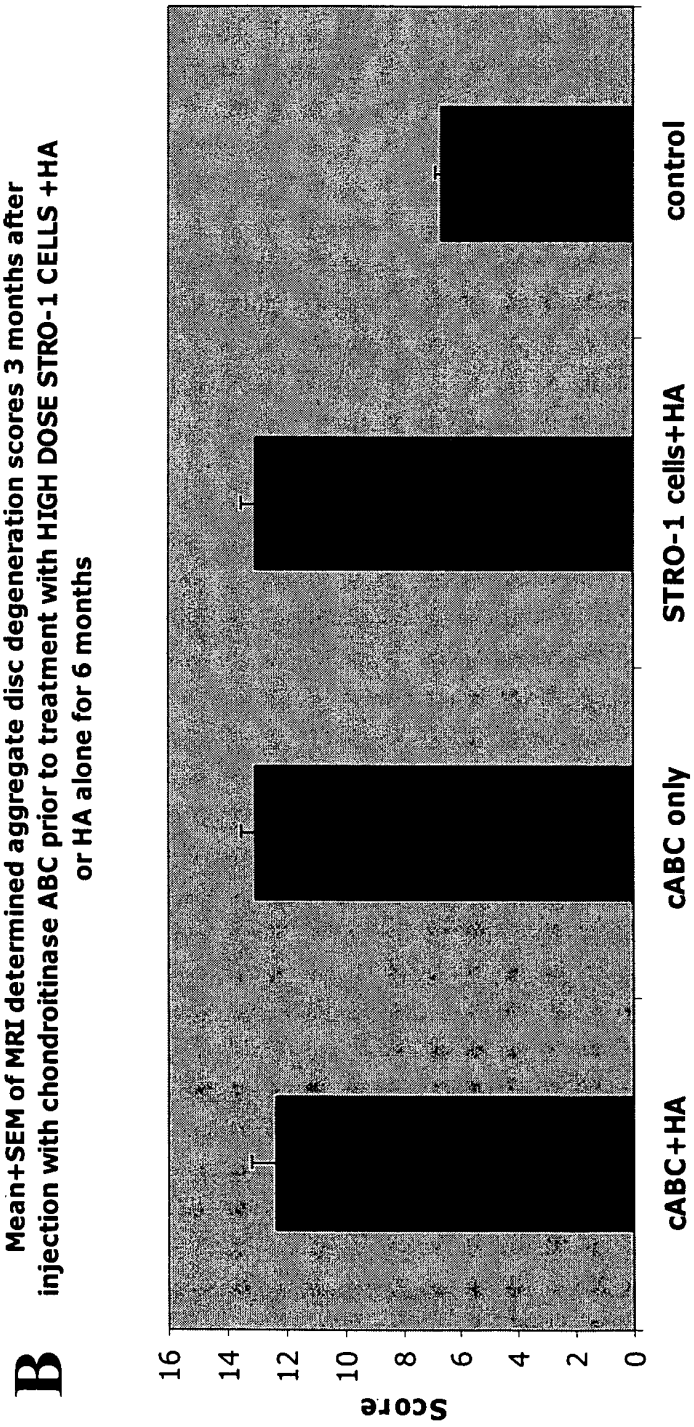


Figure 4 (continued)

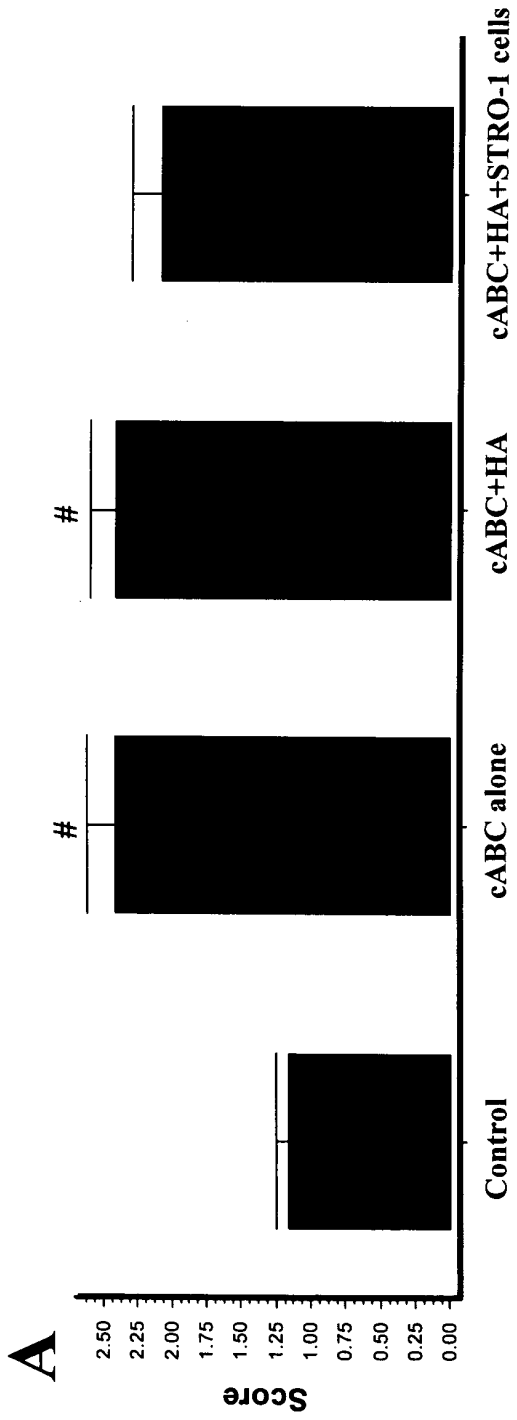

A
Score
2.50
2.25
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
#
#
Control
cABC alone
cABC+HA
cABC+HA+STRO-1 cells
LOW DOSE STRO-1 CELLS - 3 MONTHS

Figure 5

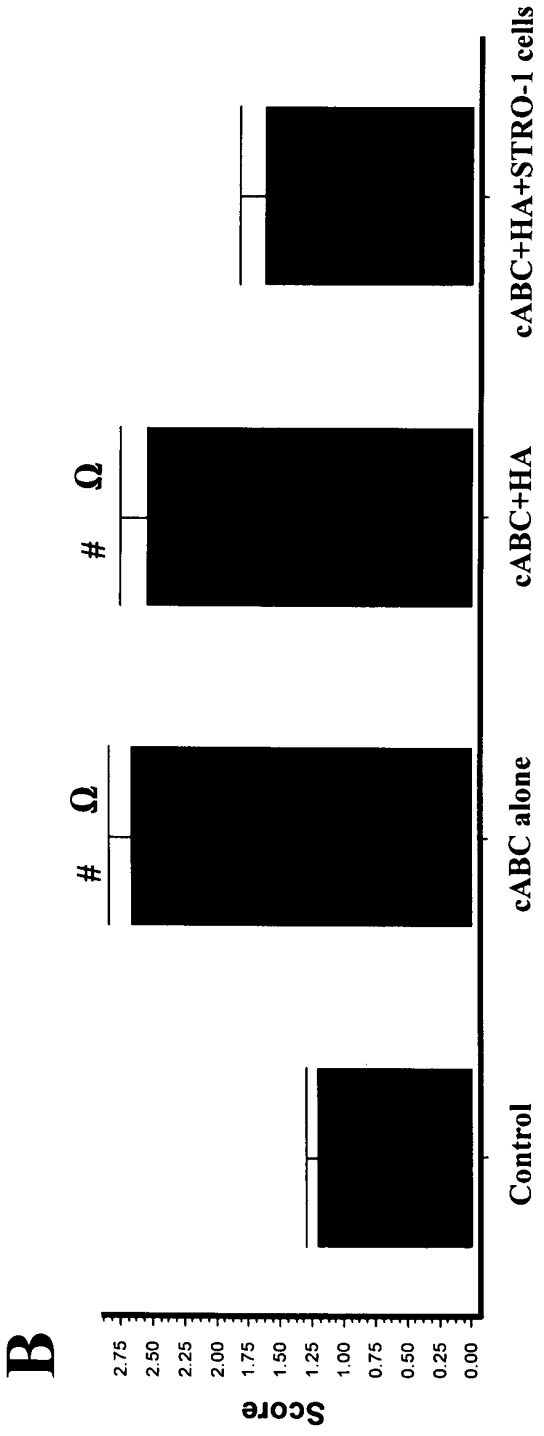


Figure 5 (continued)

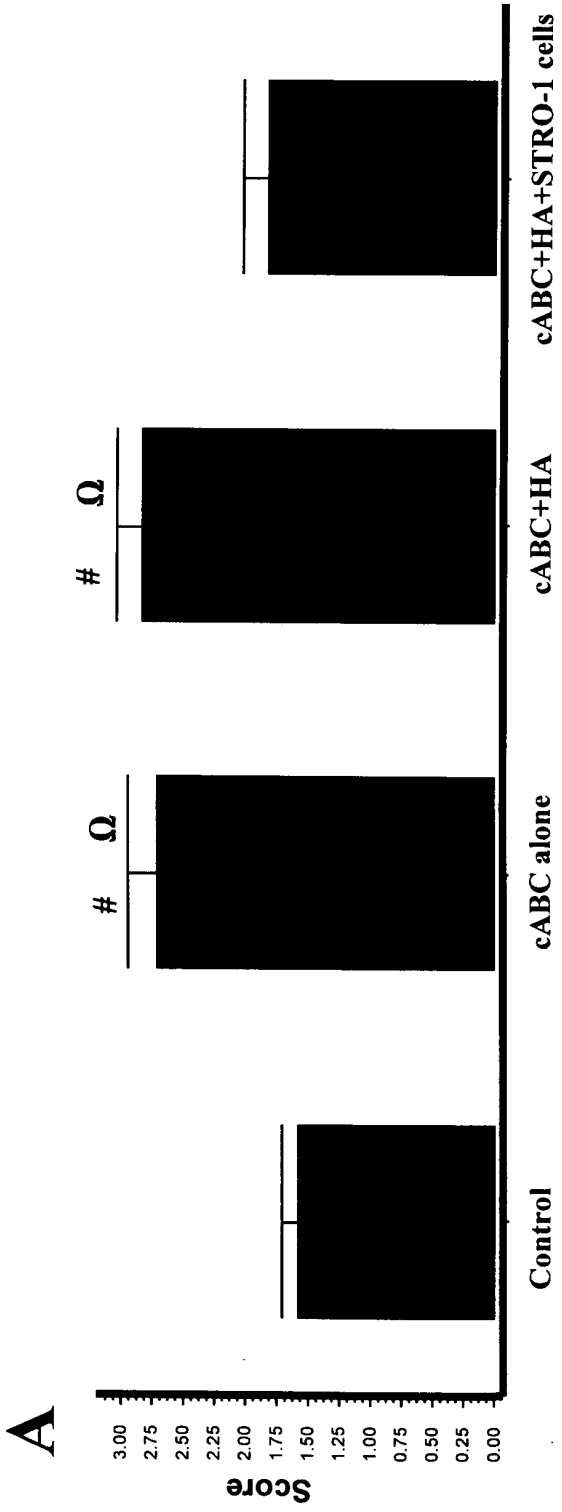

A
Score
3.00
2.75
2.50
2.25
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
Ω
Ω
Control
cABC alone
cABC+HA
cABC+HA+STRO-1 cells
HIGH DOSE STRO-1 CELLS - 3 MONTHS

Figure 6

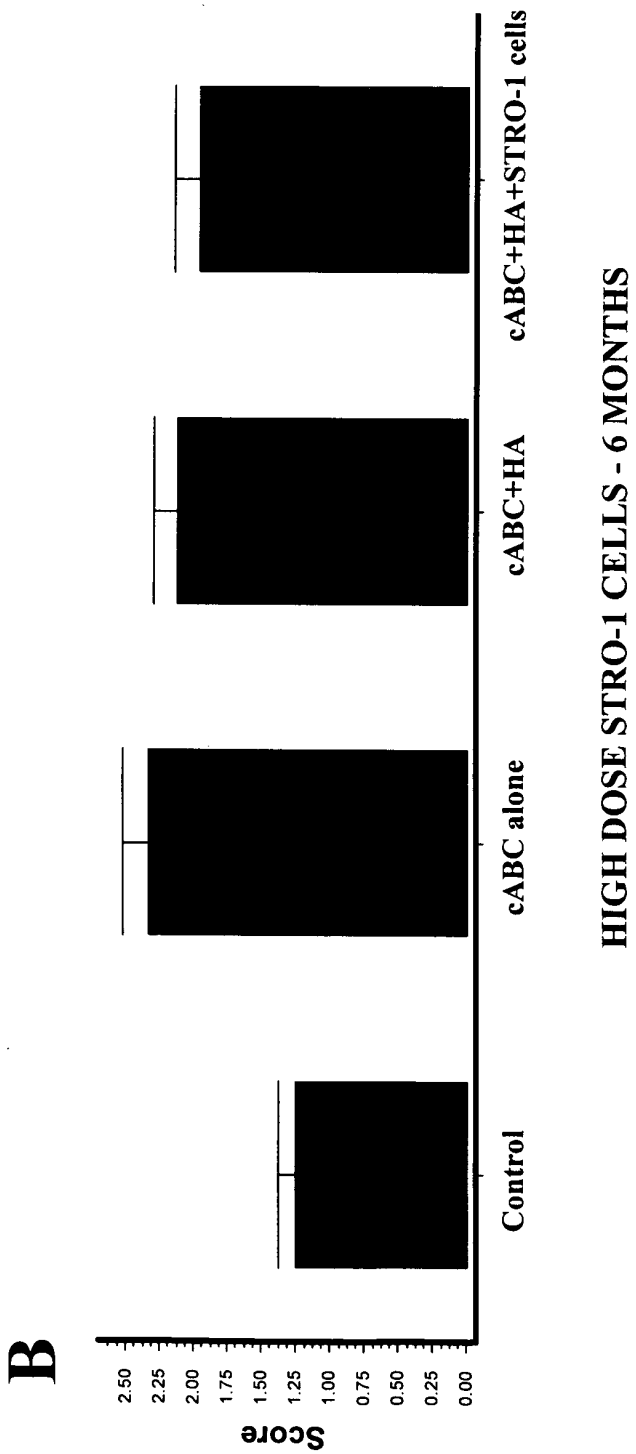


Figure 6 (continued)

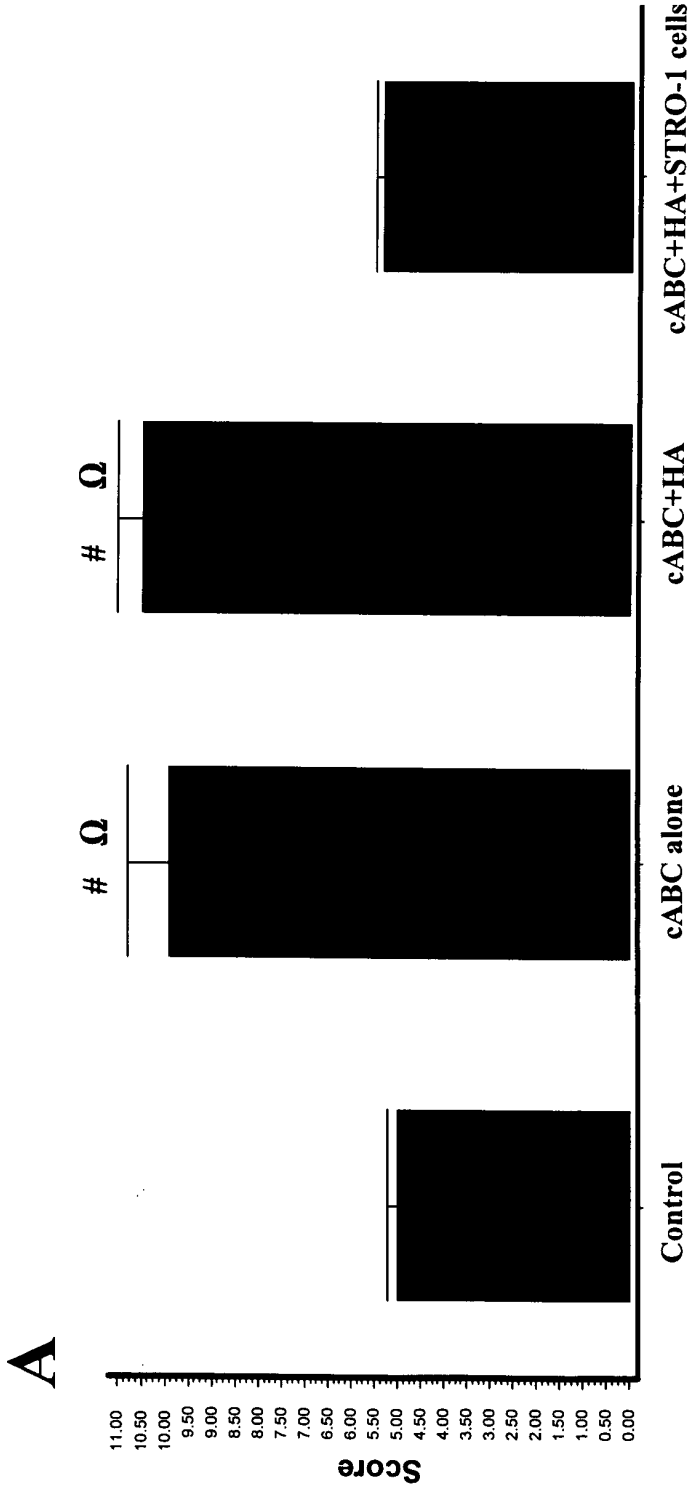

A
Score
11.00
10.50
10.00
9.50
9.00
8.50
8.00
7.50
7.00
6.50
6.00
5.50
5.00
4.50
4.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
Ω
Ω
Control
cABC alone
cABC+HA
cABC+HA+STRO-1 cells
LOW DOSE STRO-1 CELLS - 3 MONTHS

Figure 7

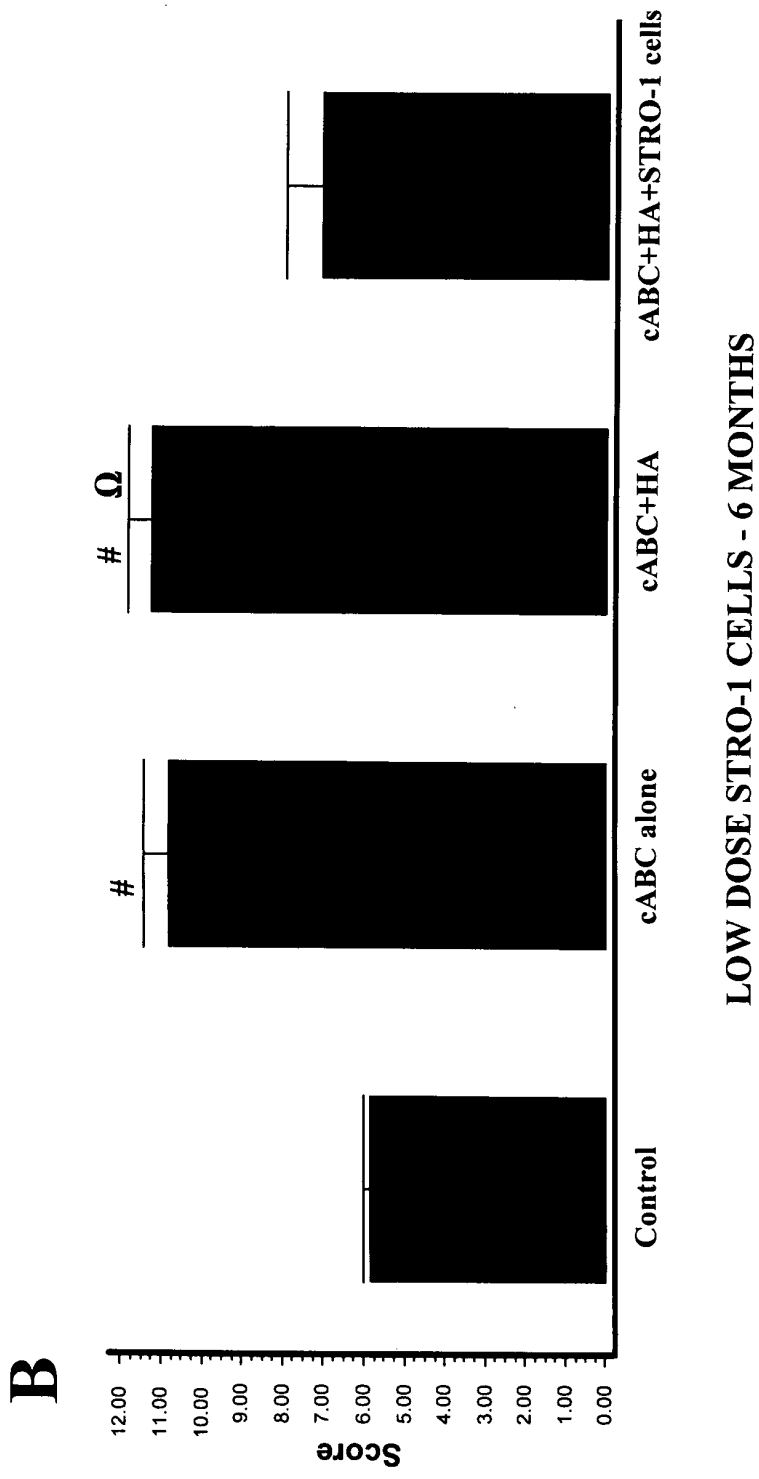


Figure 7 (continued)

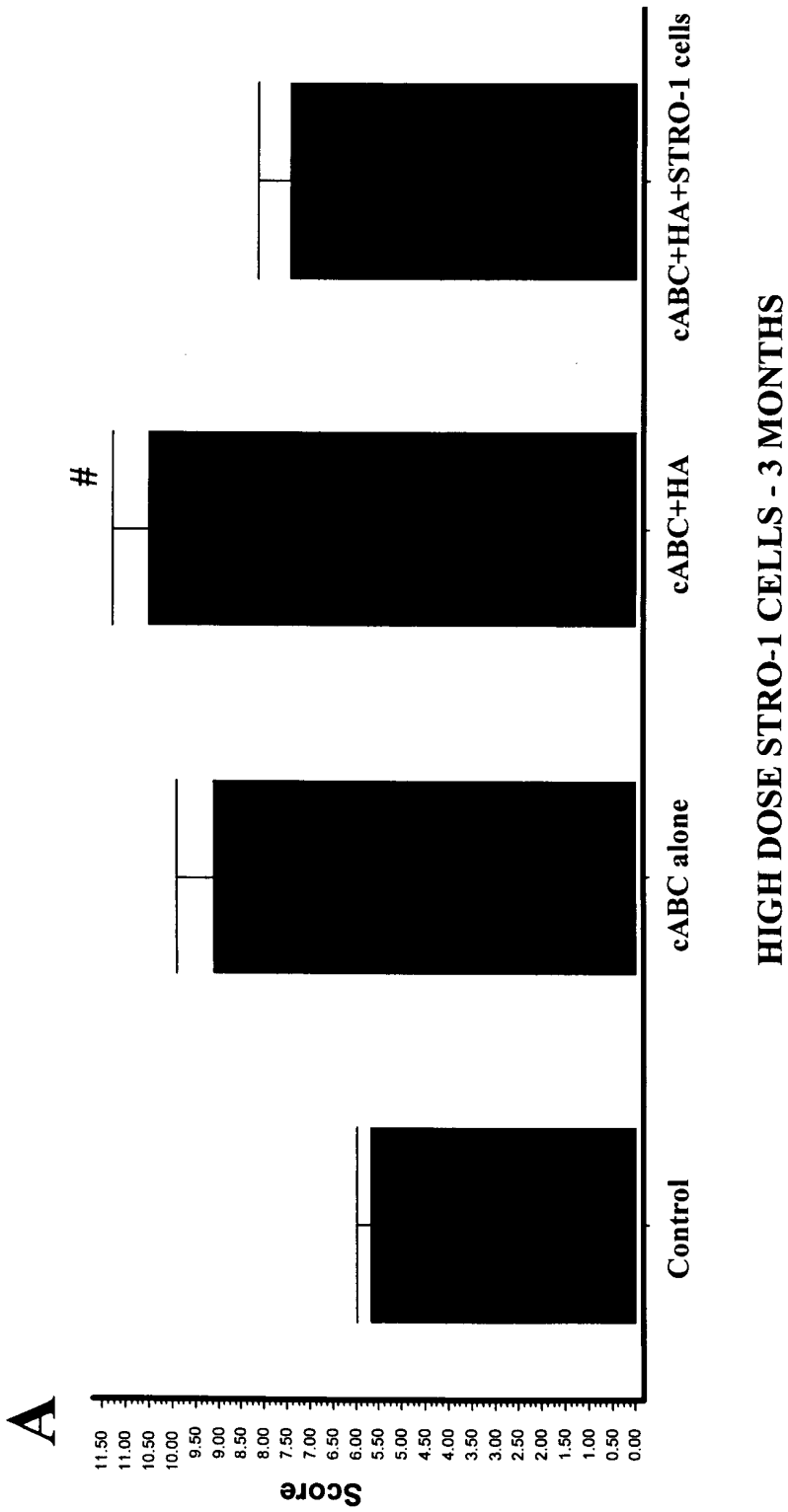

A
Score
11.50
11.00
10.50
10.00
9.50
9.00
8.50
8.00
7.50
7.00
6.50
6.00
5.50
5.00
4.50
4.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
#
Control
cABC alone
cABC+HA
cABC+HA+STRO-1 cells
HIGH DOSE STRO-1 CELLS - 3 MONTHS

Figure 8

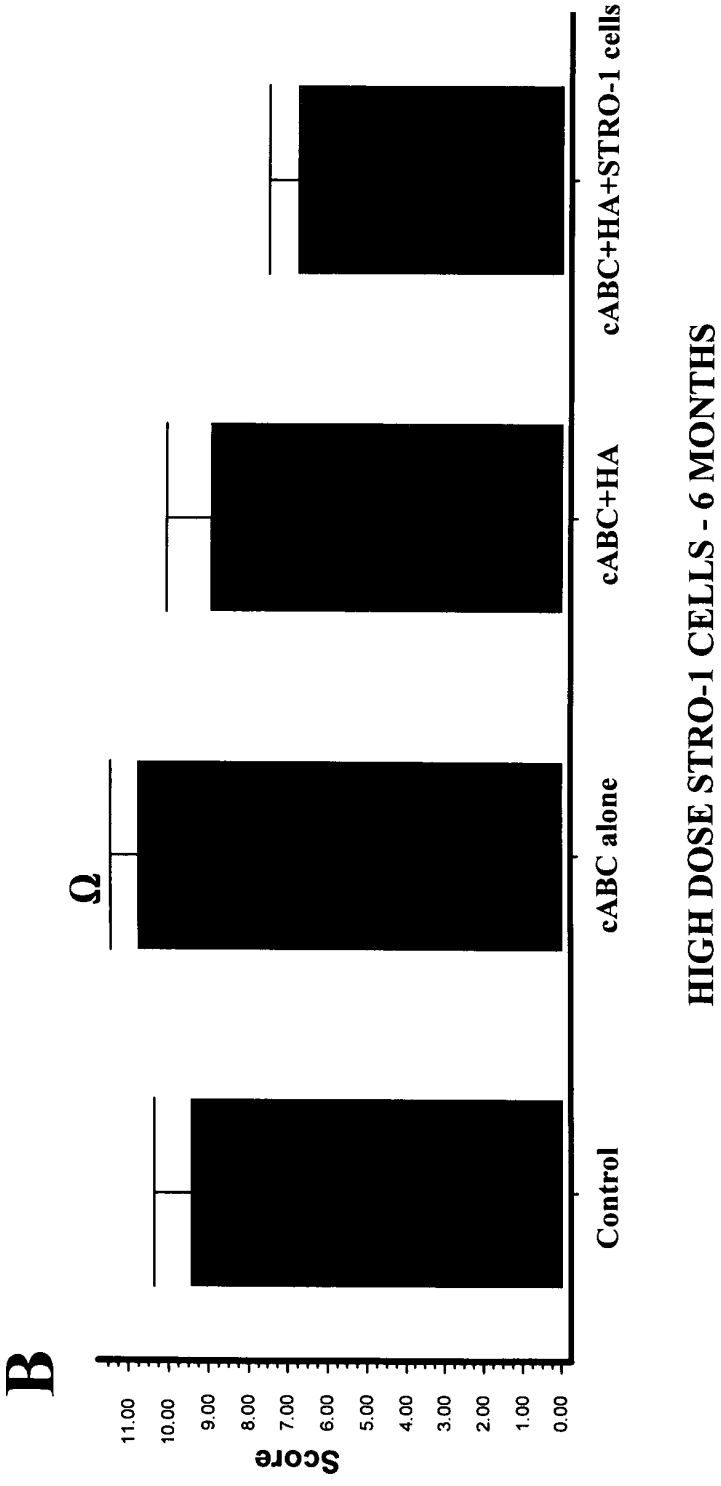


Figure 8 (continued)

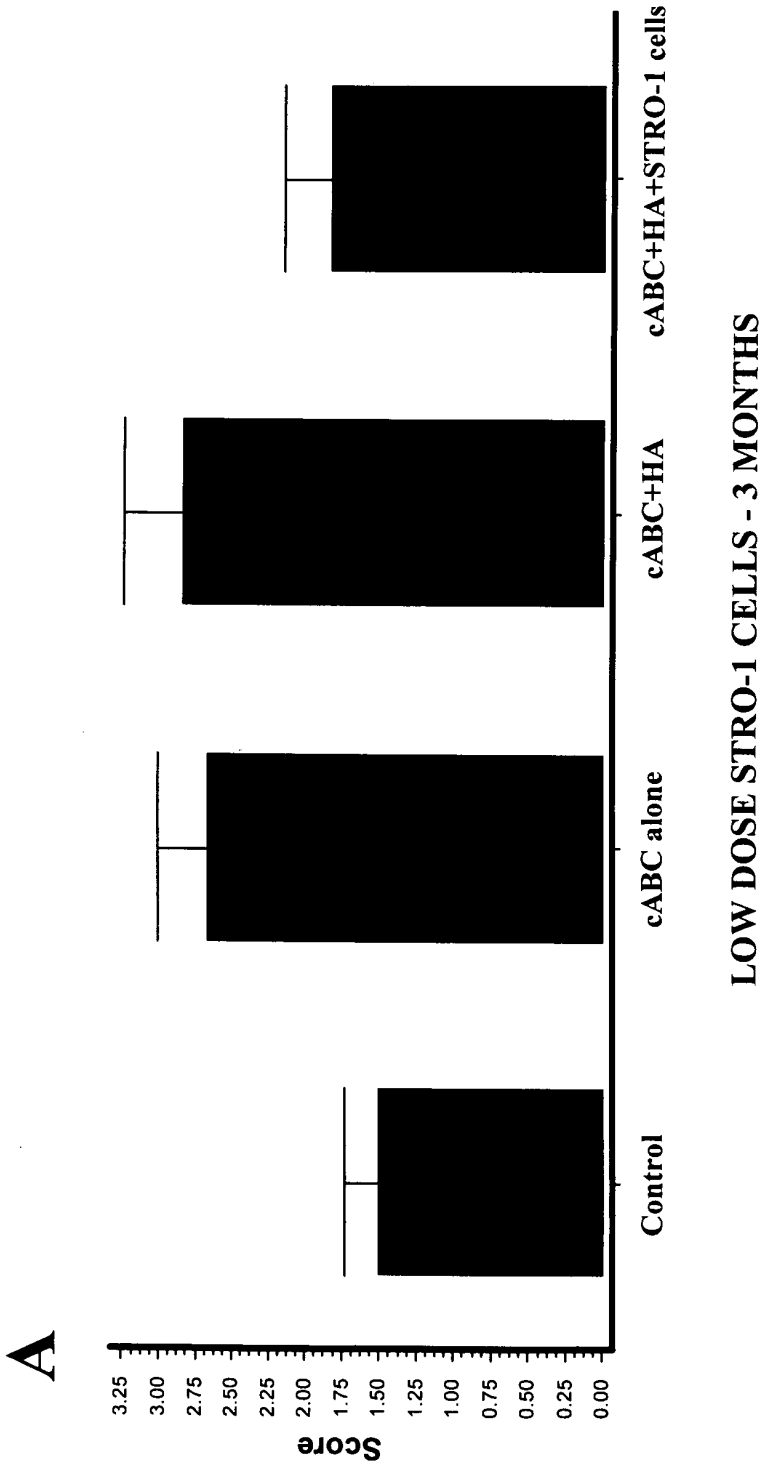

A
Score
3.25
3.00
2.75
2.50
2.25
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
Control
cABC alone
cABC+HA
cABC+HA+STRO-1 cells
LOW DOSE STRO-1 CELLS - 3 MONTHS

Figure 9

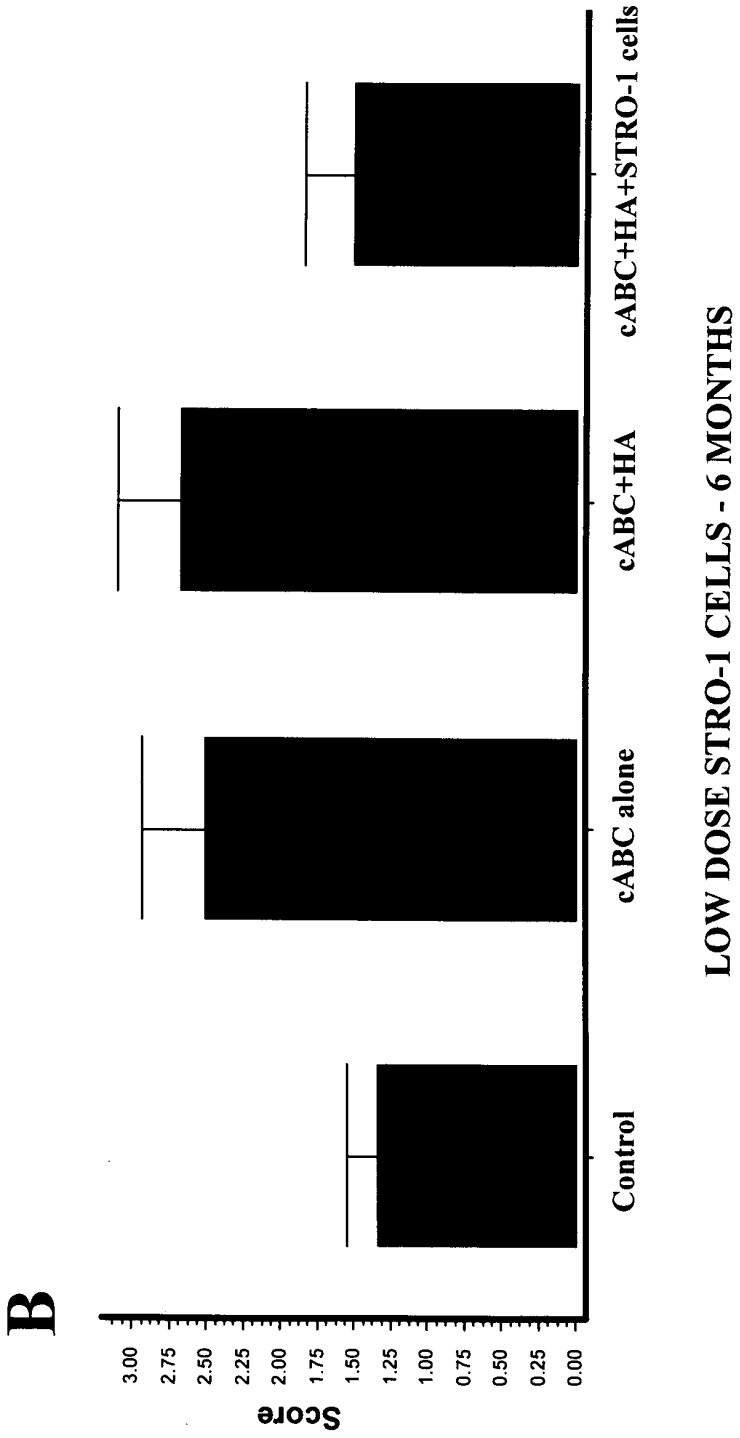


Figure 9 (continued)

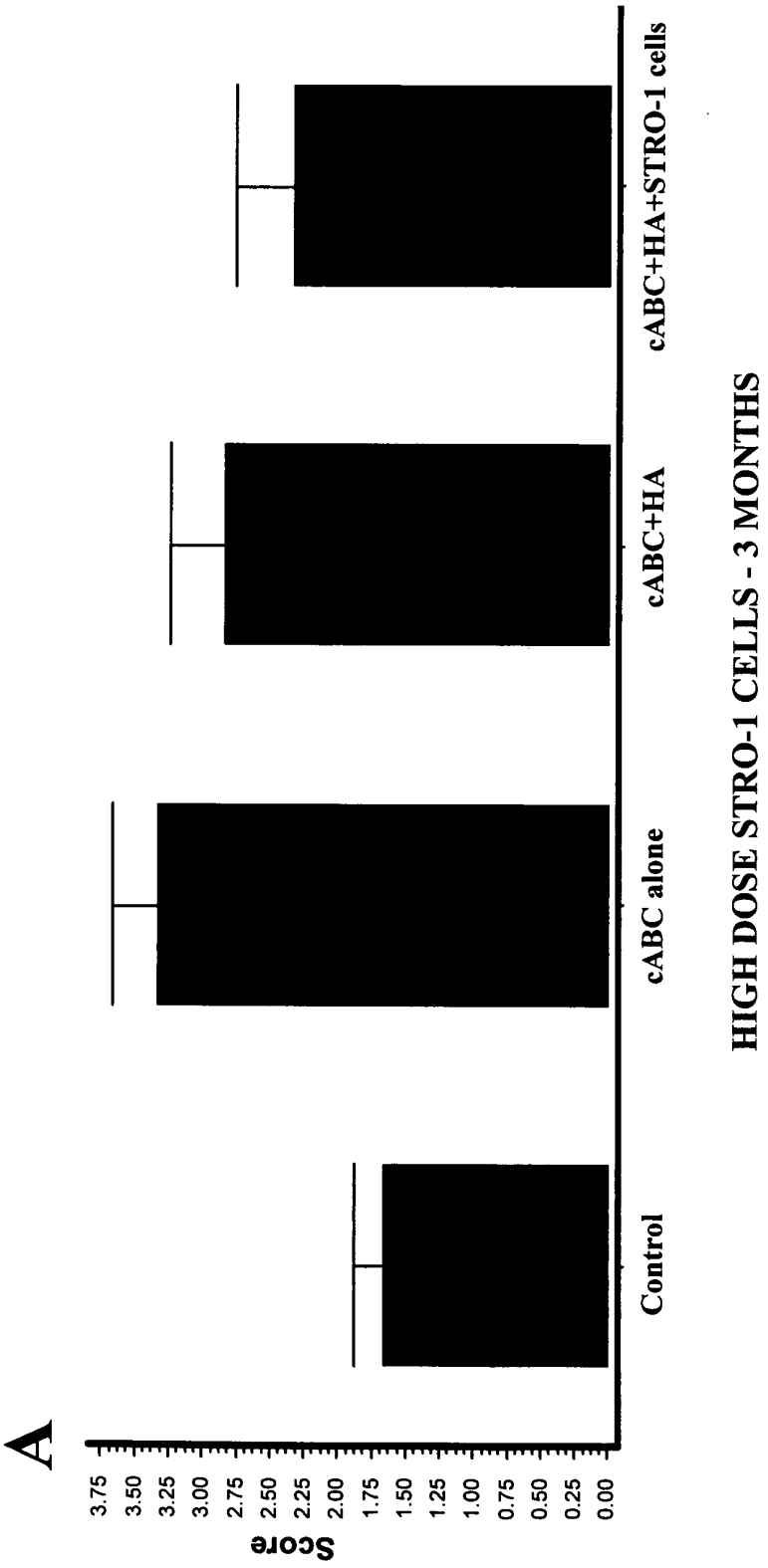

A
Score
3.75
3.50
3.25
3.00
2.75
2.50
2.25
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
Control
cABC alone
cABC+HA
cABC+HA+STRO-1 cells
HIGH DOSE STRO-1 CELLS - 3 MONTHS

Figure 10

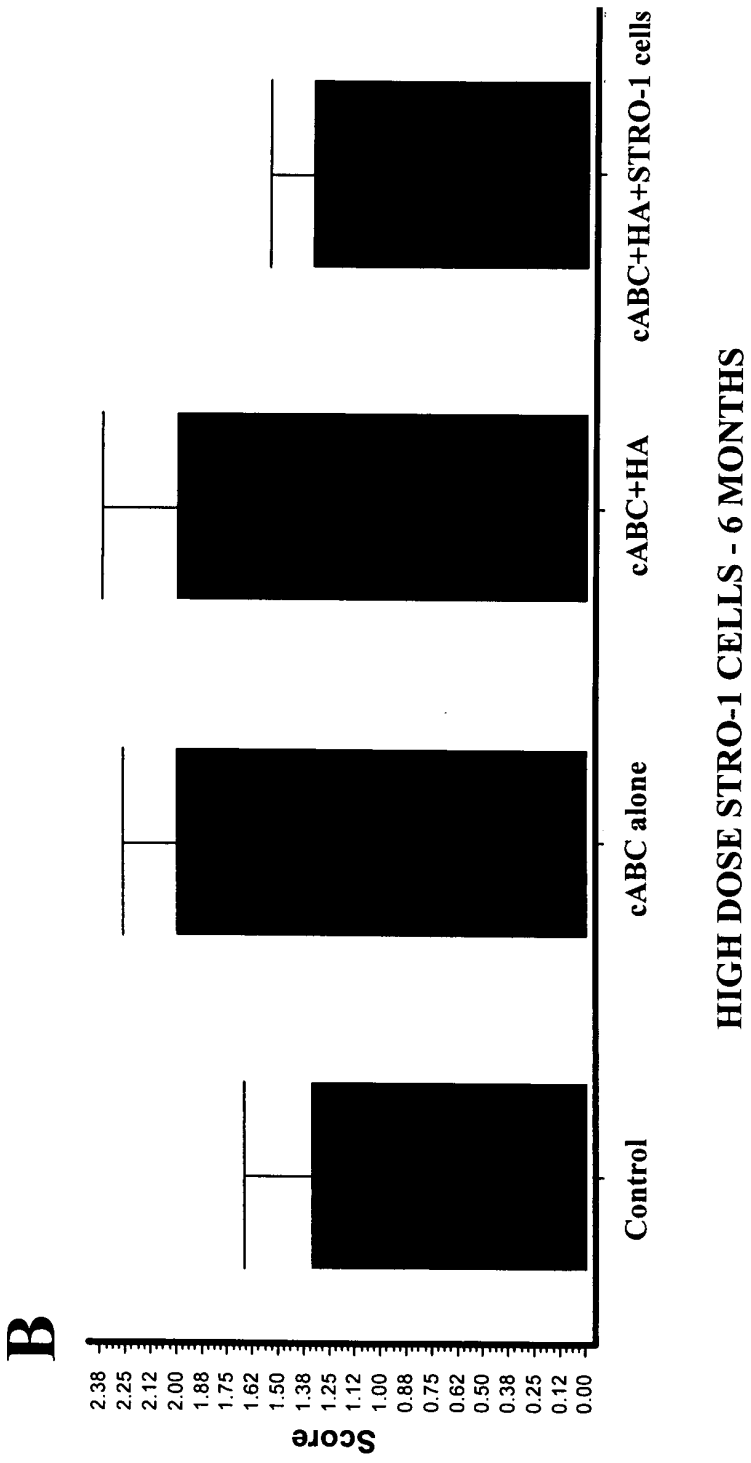


Figure 10 (continued)

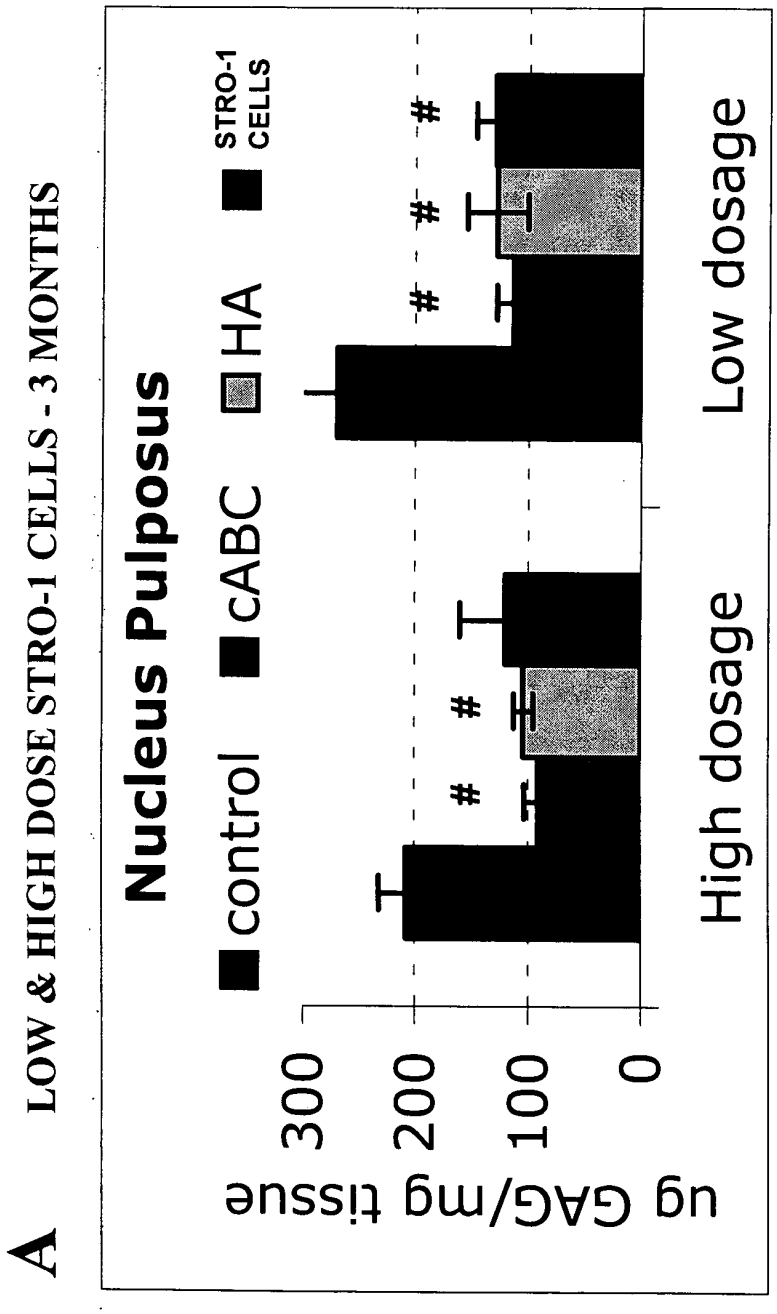

A
LOW & HIGH DOSE STRO-1 CELLS - 3 MONTHS
Nucleus Pulposus
control
cABC
HA
STRO-1 CELLS
ug GAG/mg tissue
300
200
100
0
High dosage
Low dosage
#
#
#
#
#

Figure 11

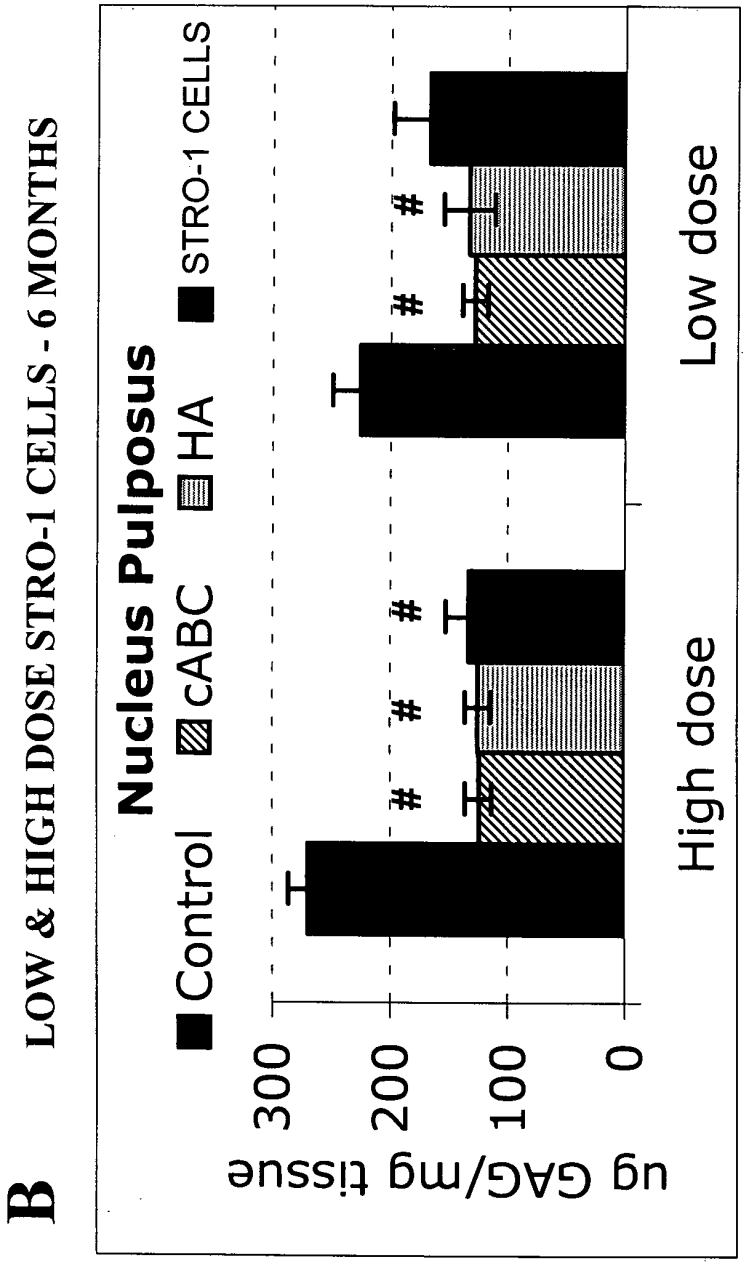


Figure 11 (continued)

A LOW DOSE STRO-1 CELLS - 3 & 6 MONTHS

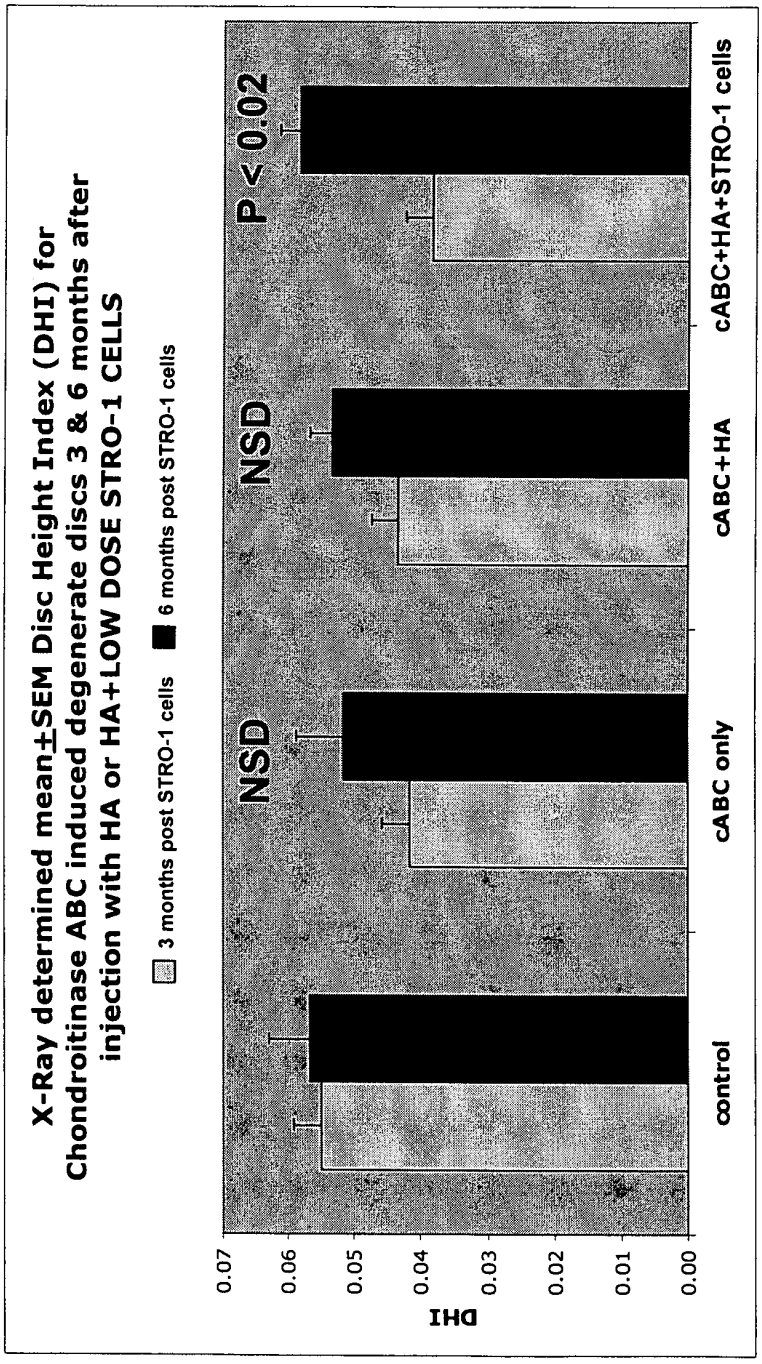


Figure 12

B HIGH DOSE STRO-1 CELLS - 3 & 6 MONTHS

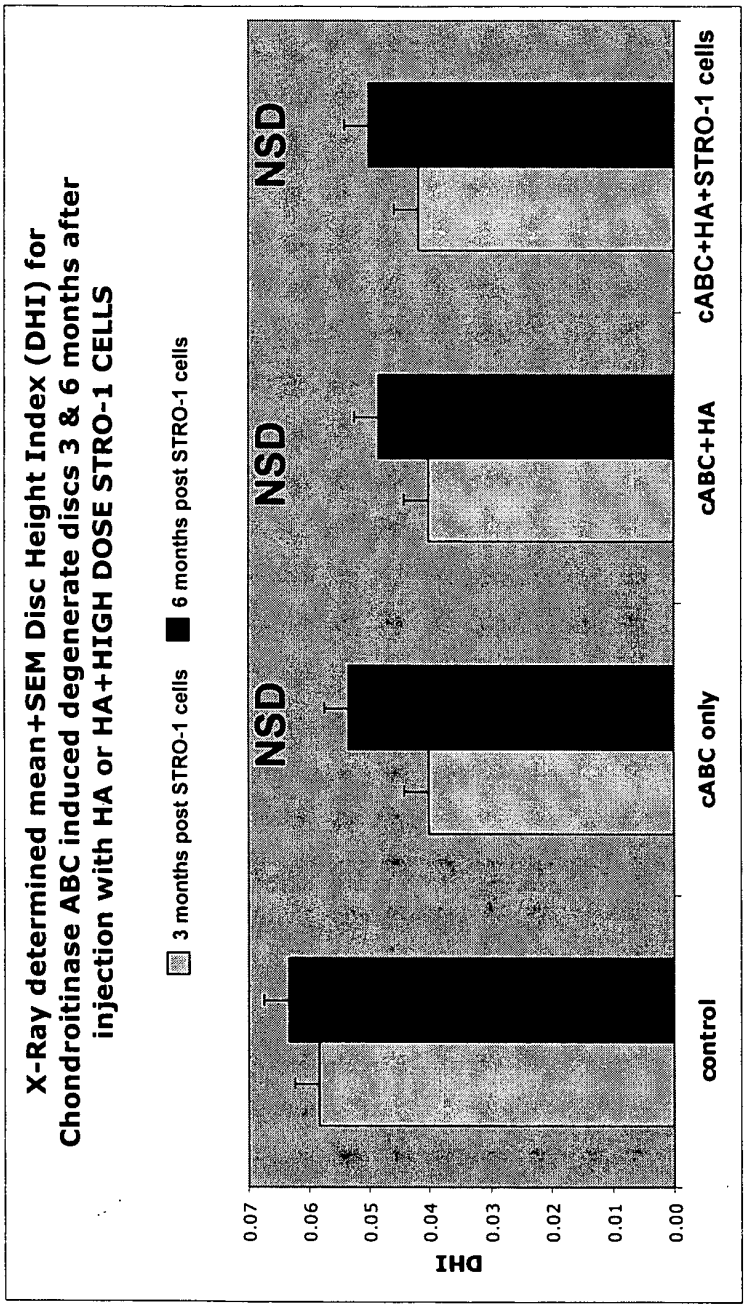


Figure 12 (continued)