12 APR 2005

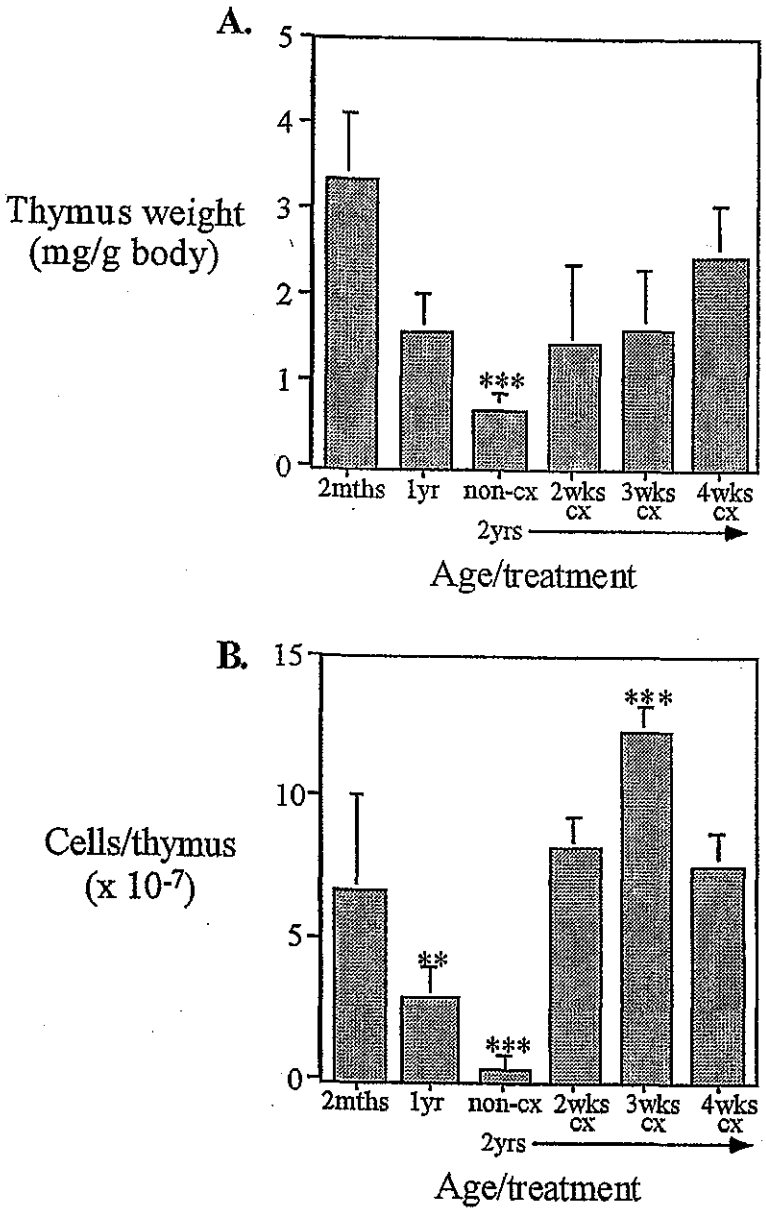


Figure 1

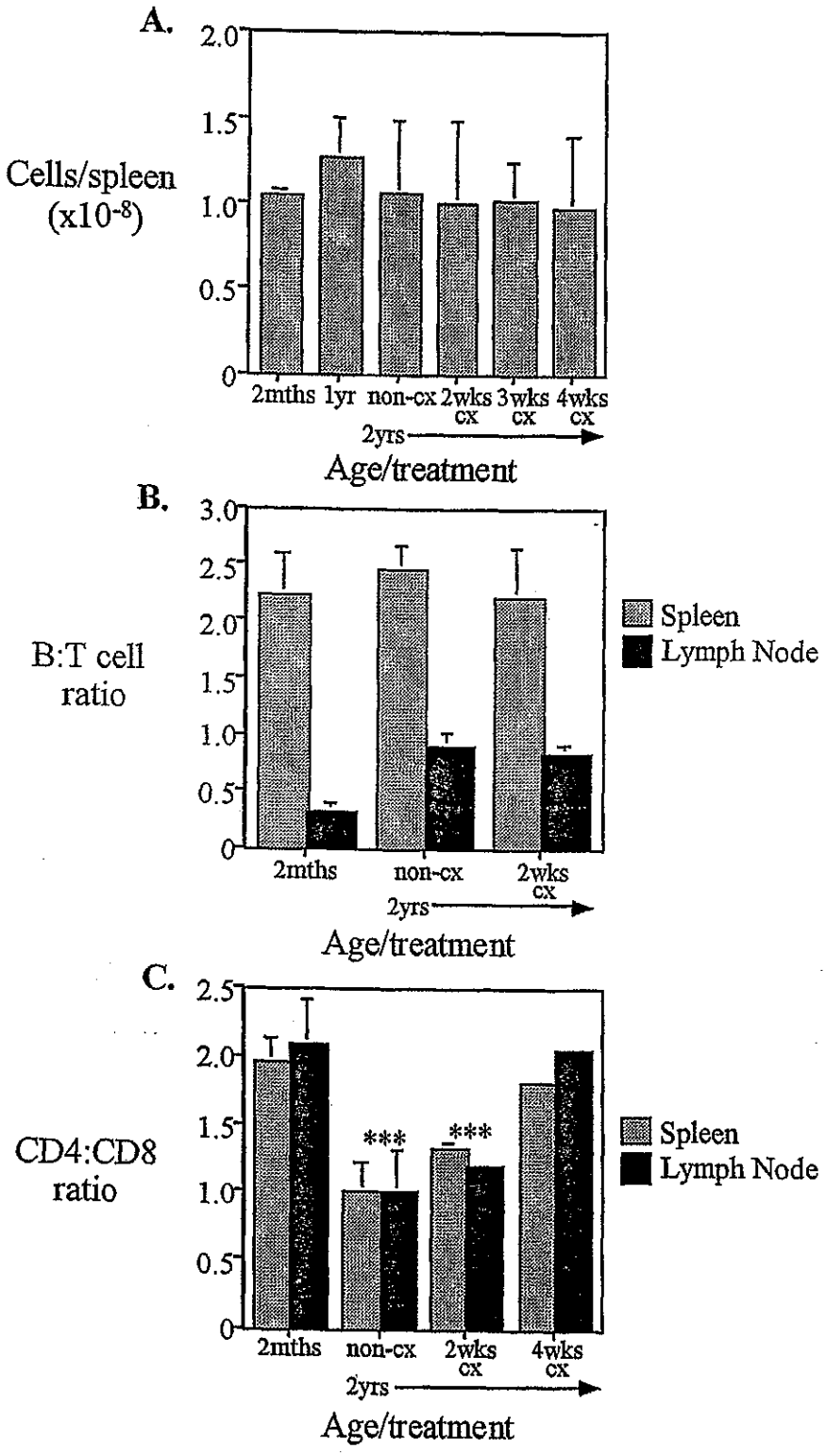

A.
Cells/spleen
(x10-8)
2.0
1.5
1.0
0.5
0
2mths
1yr
non-cx
2wks cx
3wks cx
4wks cx
2yrs
Age/treatment
B.
B:T cell
ratio
3.0
2.5
2.0
1.5
1.0
0.5
0
2mths
non-cx
2wks cx
2yrs
Age/treatment
Spleen
Lymph Node
C.
CD4:CD8
ratio
2.5
2.0
1.5
1.0
0.5
0
***
***
2mths
non-cx
2wks cx
4wks cx
2yrs
Age/treatment
Spleen
Lymph Node

Figure 2

12 APR 2005

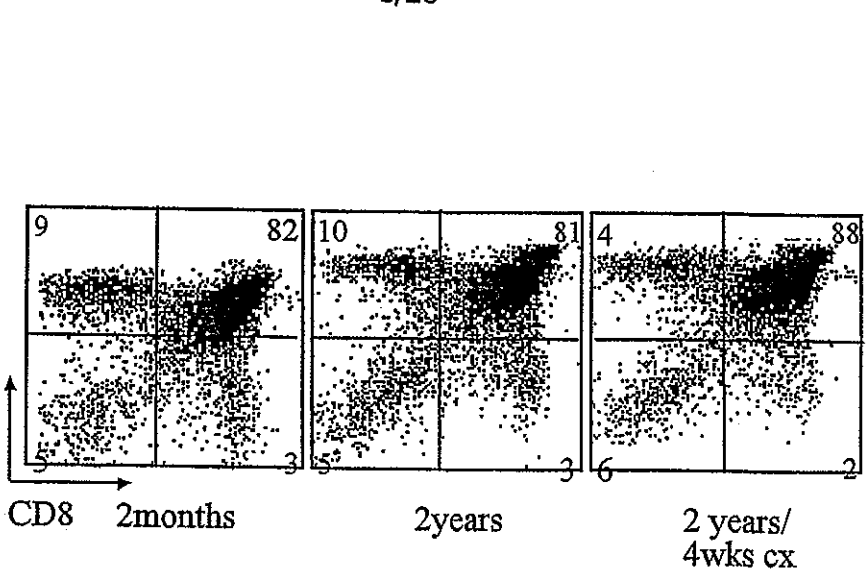


Figure 3

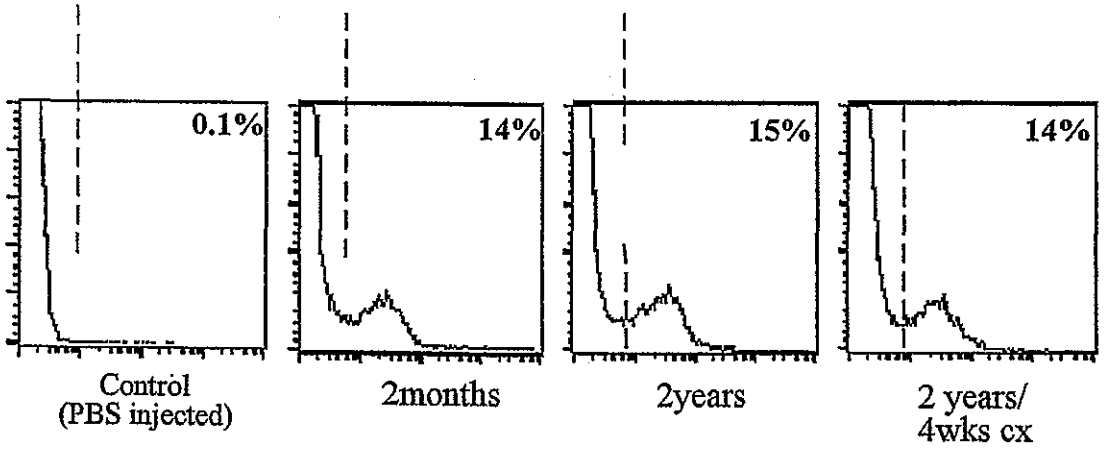


Figure 4.1

12 APR 2005

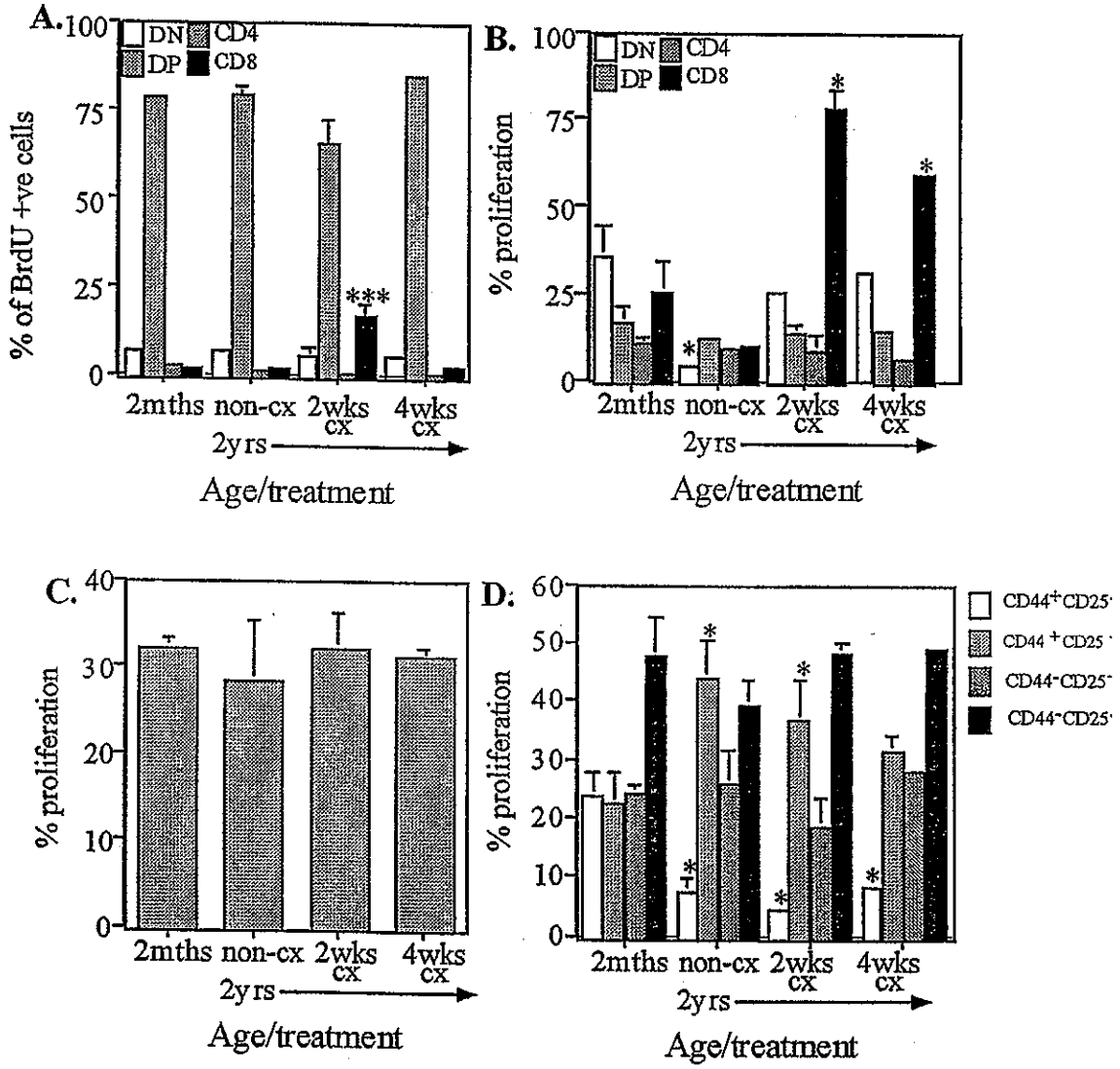


Figure 4.2

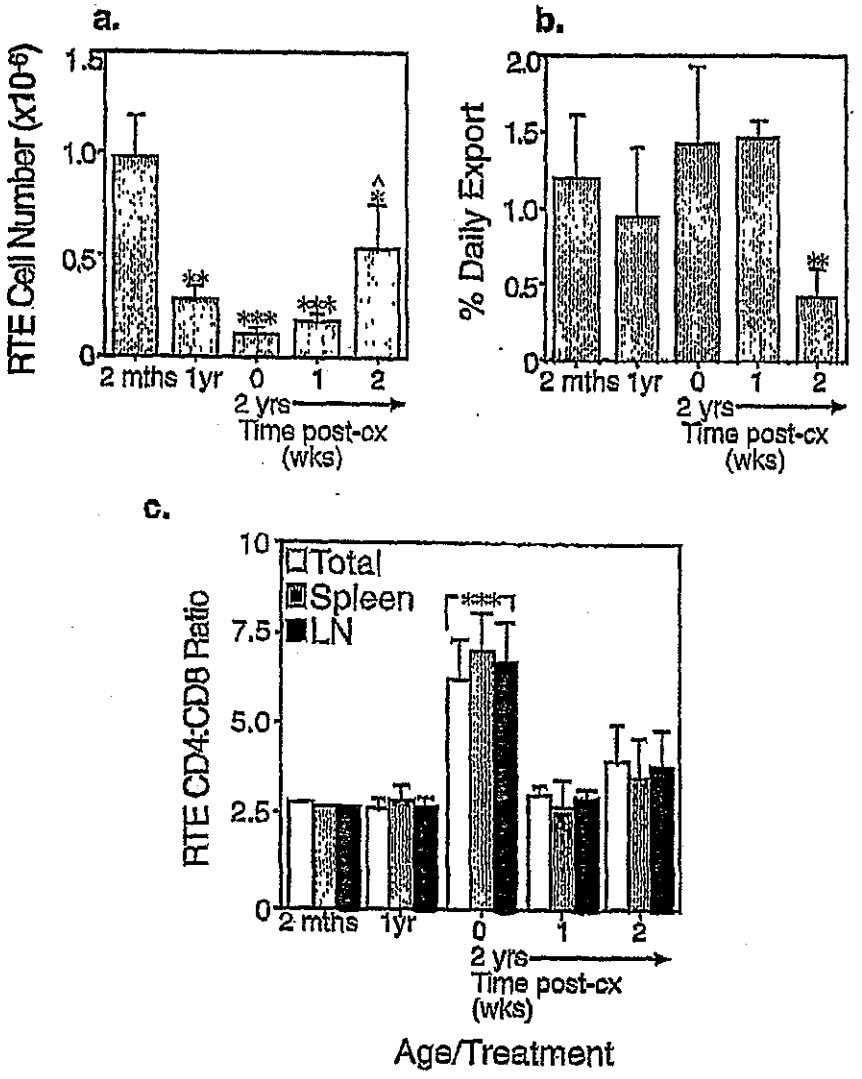

a.
RTE Cell Number (x10⁶)
1.5
1.0
0.5
0
2 mths 1yr 0 1 2
2 yrs
Time post-cx
(wks)
b.
% Daily Export
2.0
1.5
1.0
0.5
0
2 mths 1yr 0 1 2
2 yrs
Time post-cx
(wks)
c.
RTE CD4:CD8 Ratio
10
7.5
5.0
2.5
0
Total
Spleen
LN
2 mths 1yr 0 1 2
2 yrs
Time post-cx
(wks)
Age/Treatment

FIGURE 5

12 APR 2005

Changes in thymus (A), spleen (B) and lymph node (C) cell numbers following treatment with cyclophosphamide alone or with castration

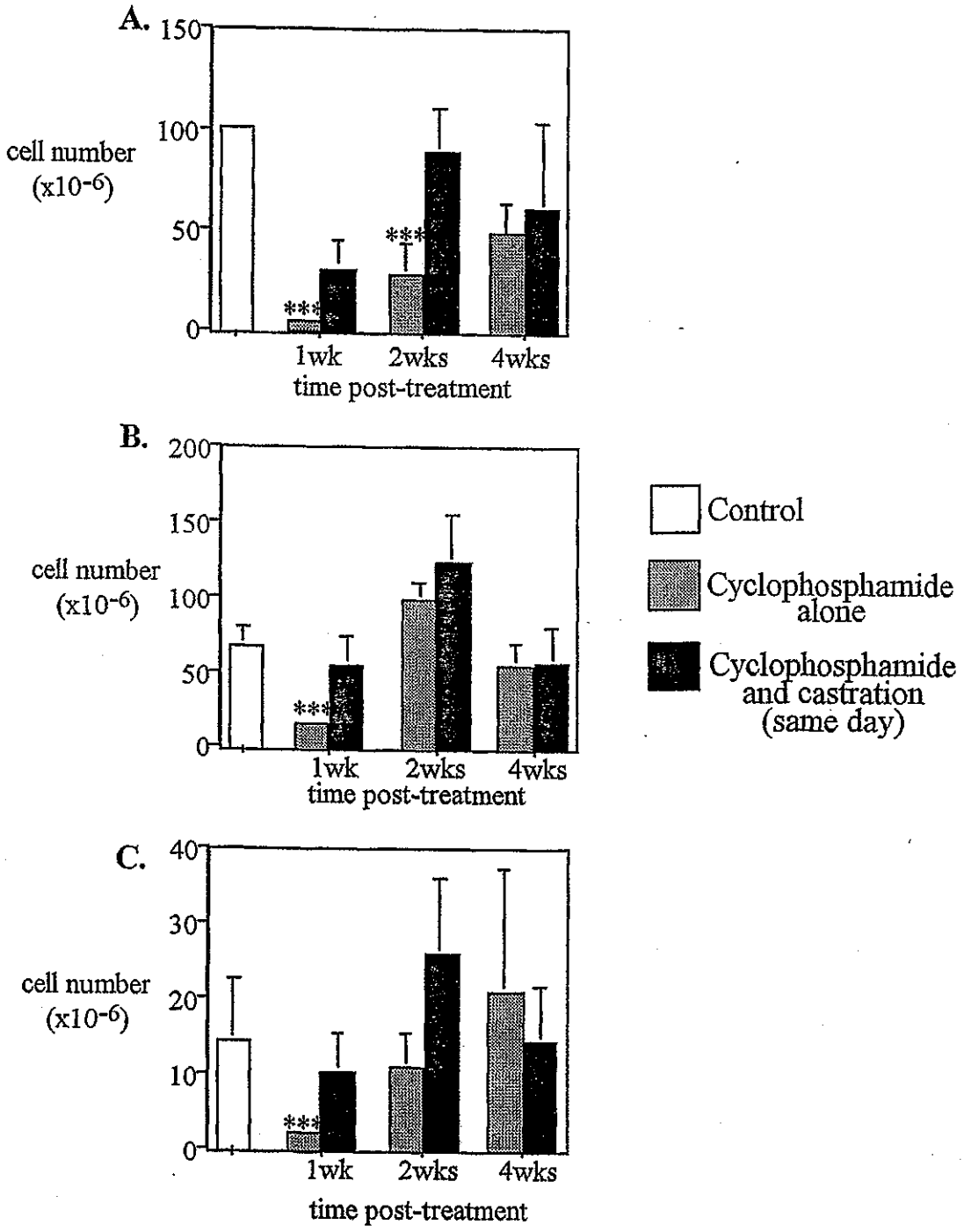


Figure 6

12 APR 2005

Changes in Thymus (A); Spleen (B) and Lymph Node (C) cellularity following irradiation with/without castration

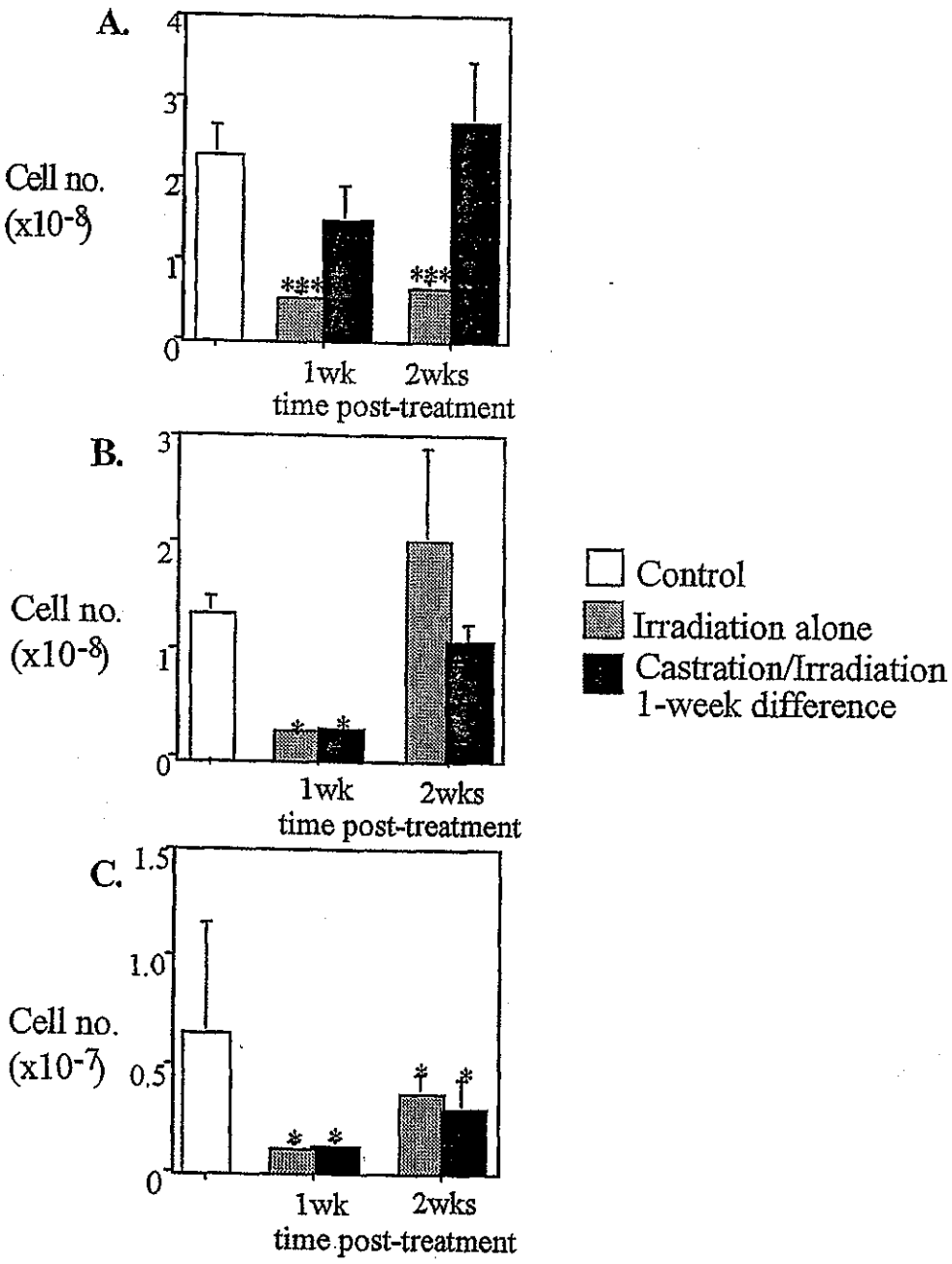


Figure 7

12 APR 2005

Changes in Thymus (A); Spleen (B) and Lymph Node (C) cellularity following irradiation with/without castration

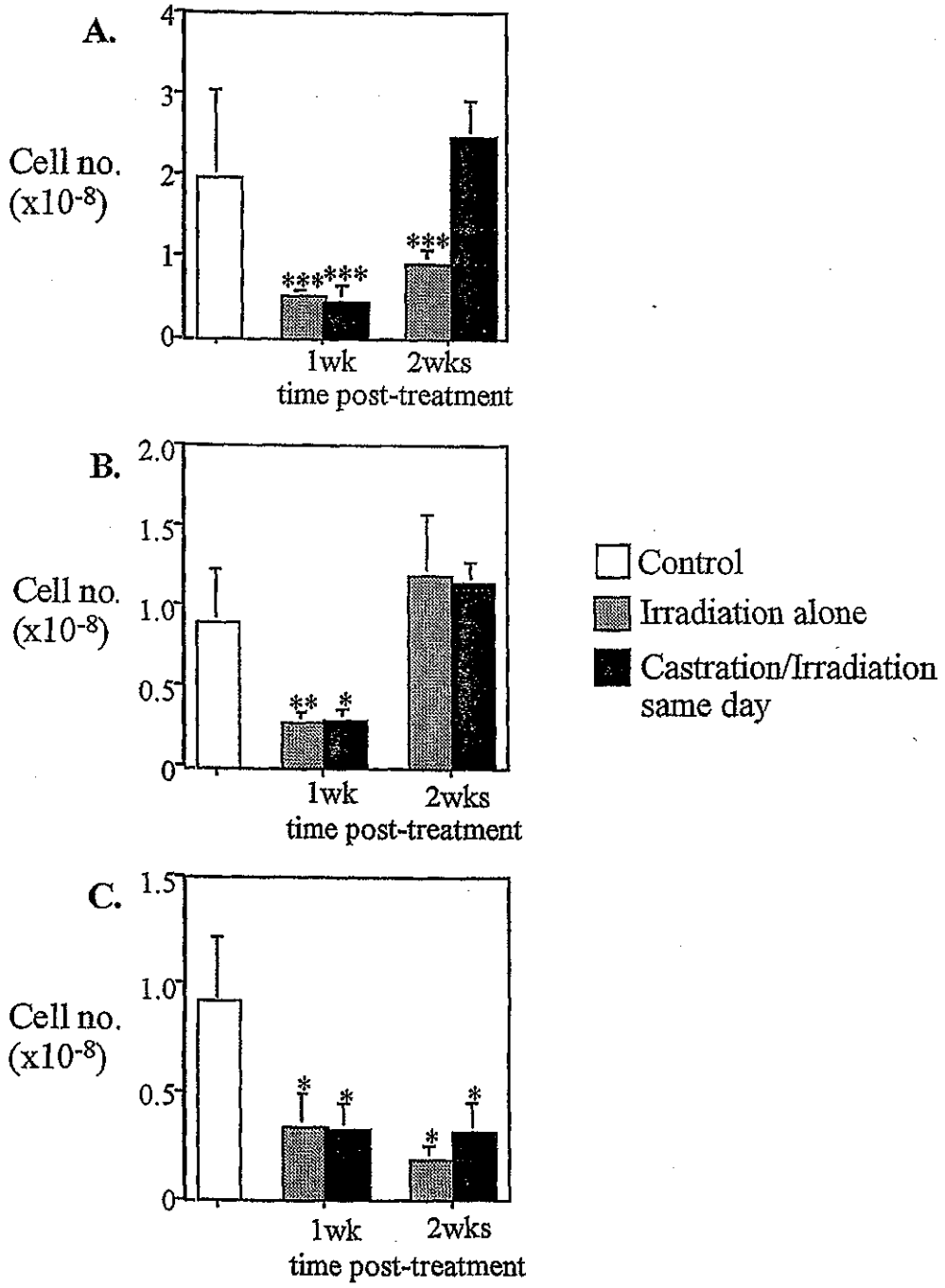


Figure 8

12 APR 2005

Changes in thymus, spleen and lymph node cell numbers following treatment with cyclophosphamide alone (ctrl) or in conjunction with surgical (surg) or chemical (chem) castration

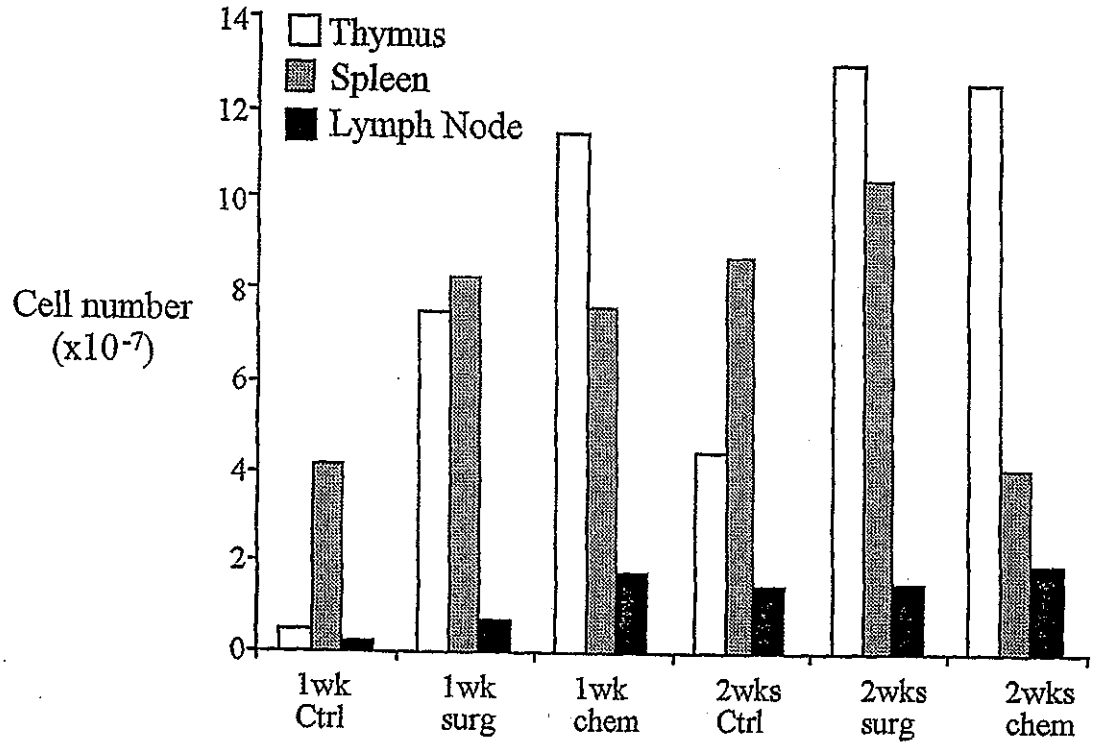


Figure 9

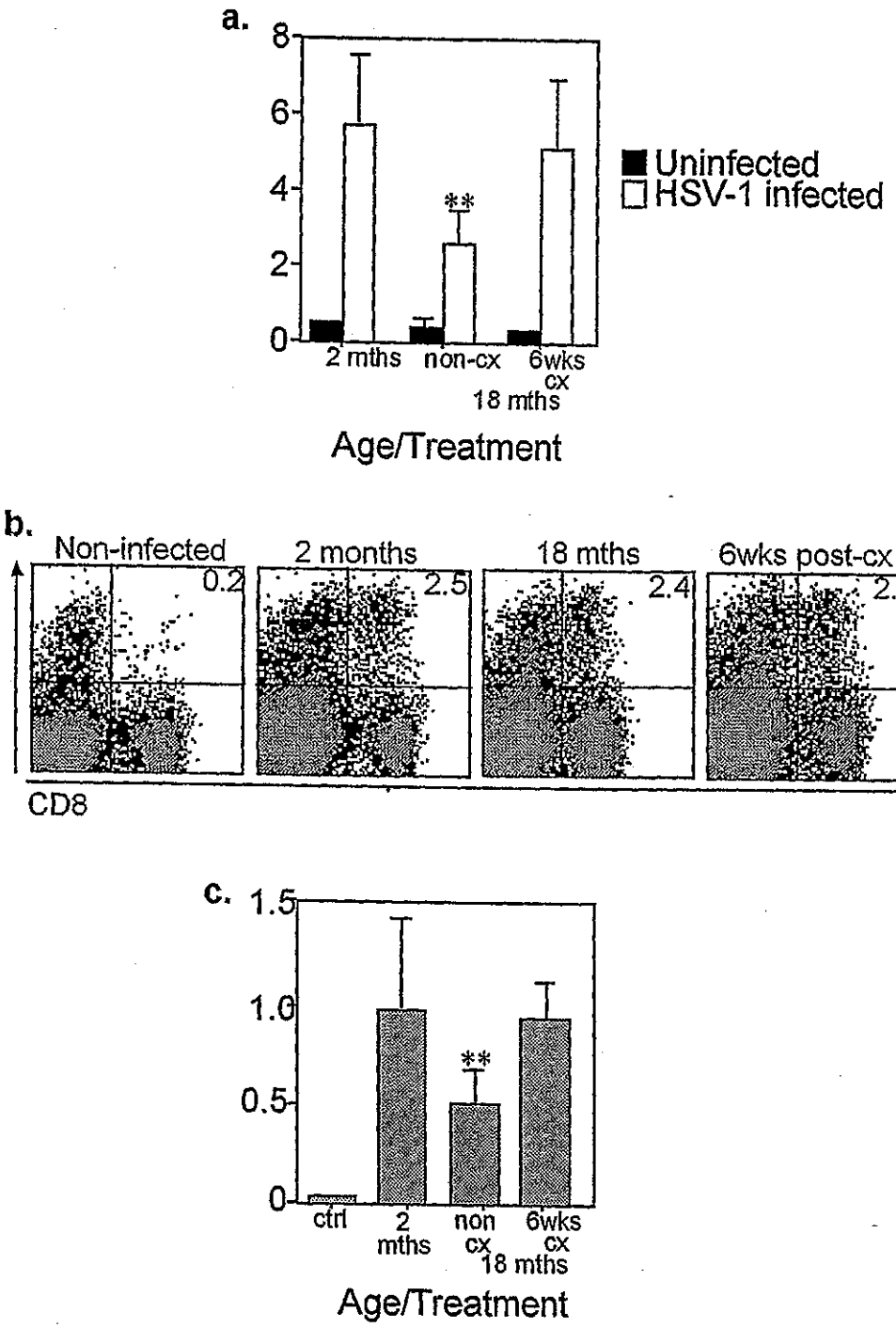

a.
8
6
4
2
0
**
Uninfected
HSV-1 infected
2 mths
non-cx
6wks cx
18 mths
Age/Treatment
b.
Non-infected
0.2
2 months
2.5
18 mths
2.4
6wks post-cx
2.7
CD8
c.
1.5
1.0
0.5
0
**
ctrl
2 mths
non cx
6wks cx
18 mths
Age/Treatment

FIGURE 10

12 APR 2005

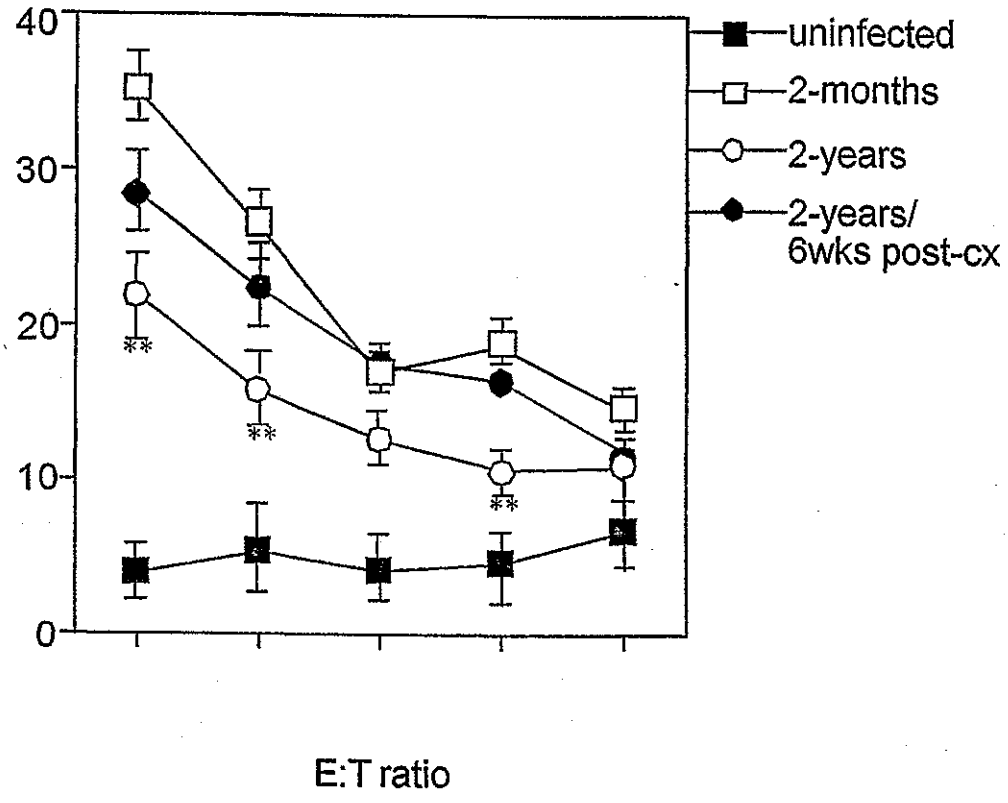
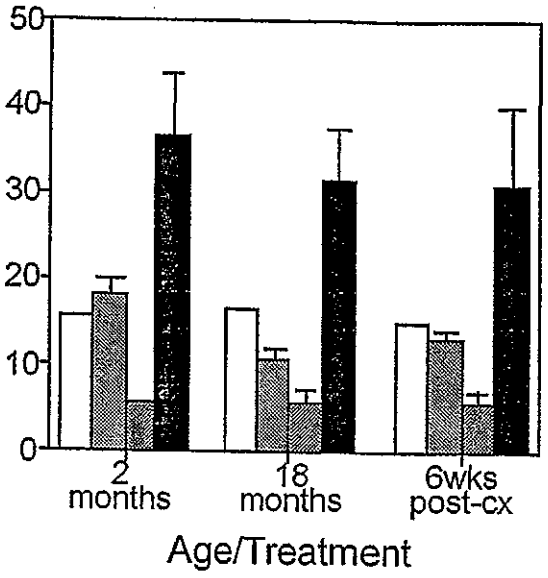


FIGURE 11

a.


50
40
30
20
10
0
2 months
18 months
6wks post-cx
Age/Treatment

b.

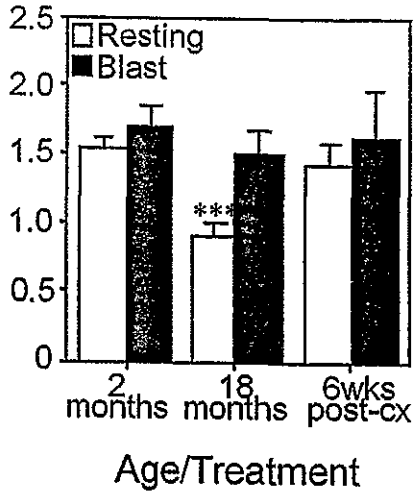

2.5
2.0
1.5
1.0
0.5
0
Resting
Blast
***
2 months
18 months
6wks post-cx
Age/Treatment

FIGURE 12

12 APR 2005

Predominance of VB10 expression on activated cells post-HSV immunisation: in young and castrated recipients but not aged.

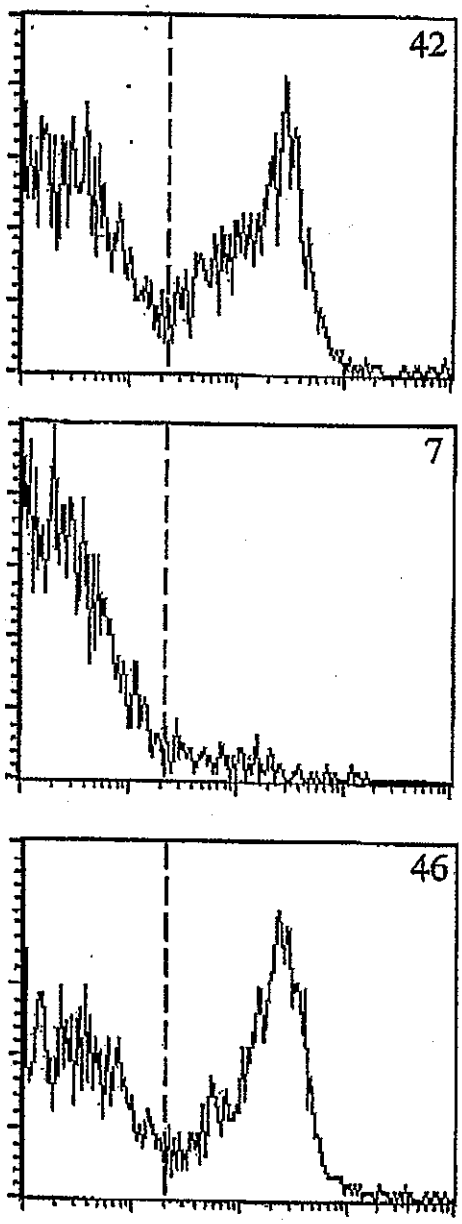


Figure 13

Changes in cellularity post-reconstitution in castrated or reconstituted alone mice. A - Thymus; B- Spleen; C-Lymph Node; D-Bone Marrow

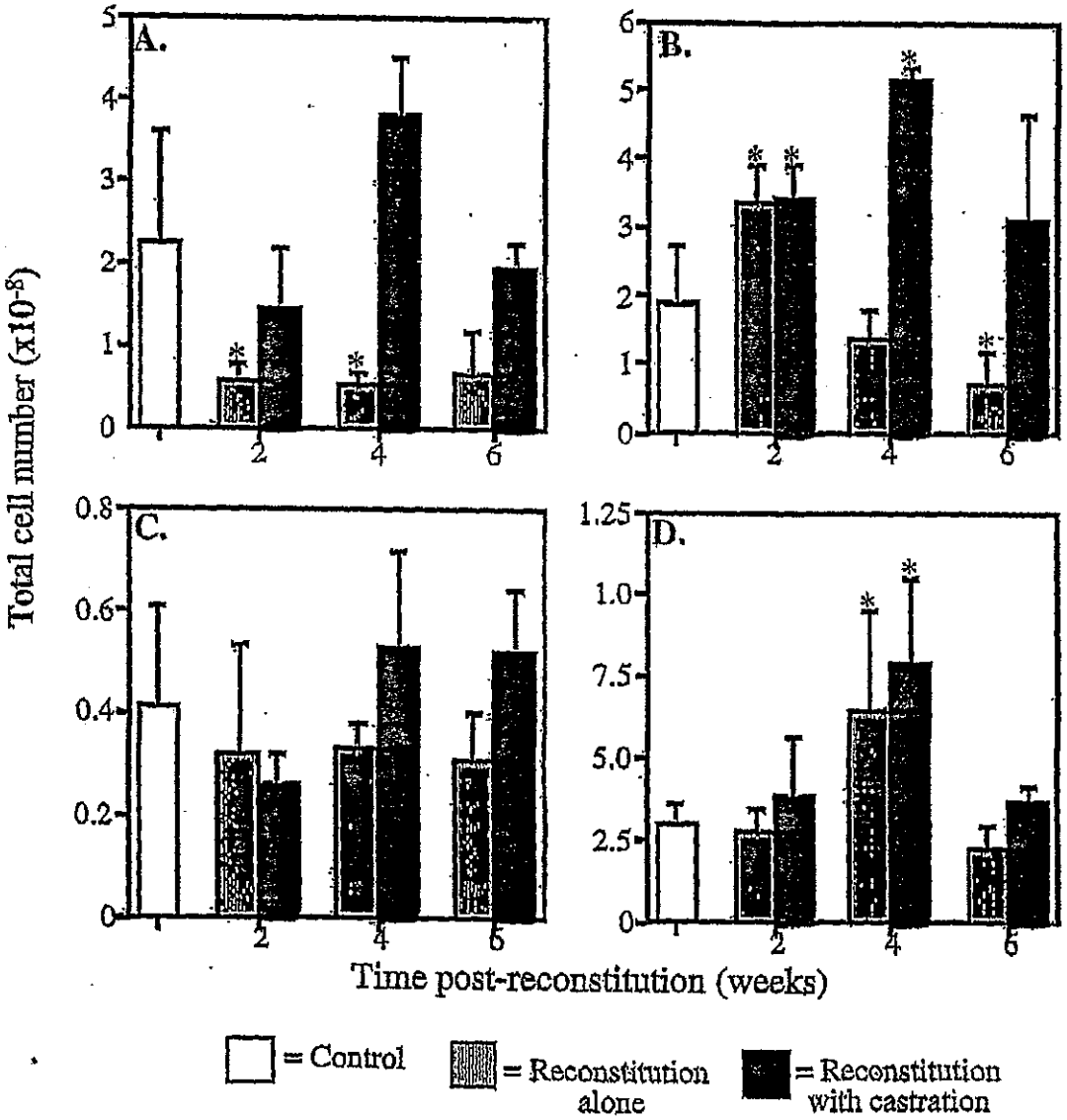
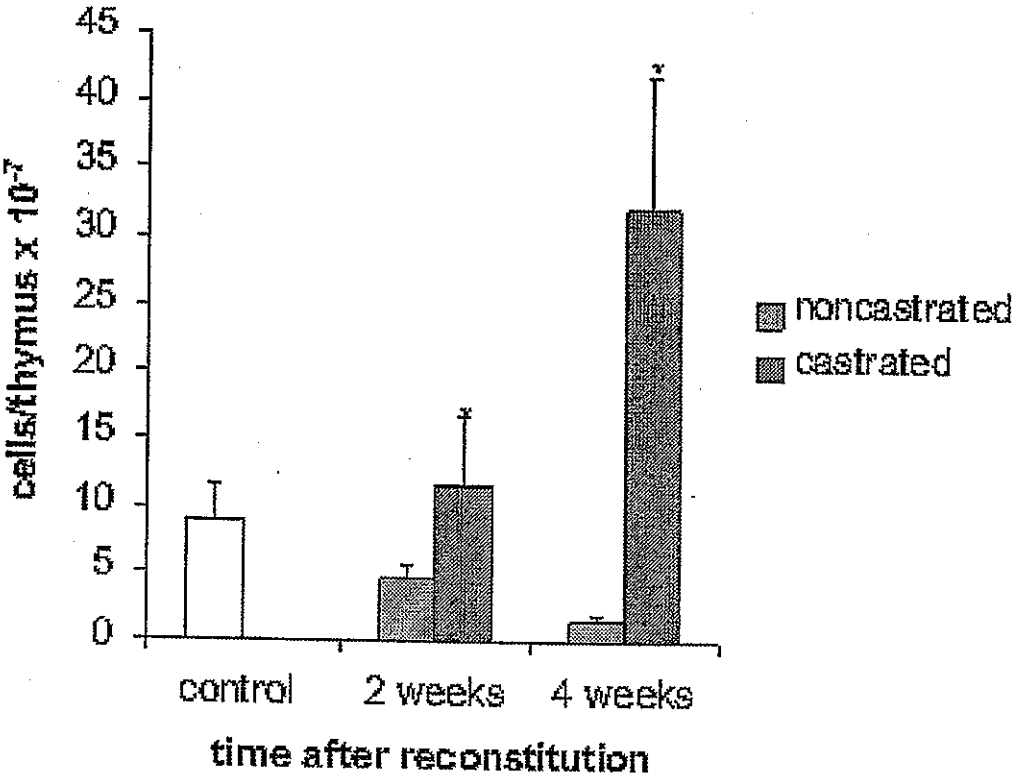


Figure 14

A.


45
40
35
30
25
20
15
10
5
0
cells/thymus x 10-7
control
2 weeks
4 weeks
time after reconstitution
noncastrated
castrated

B.

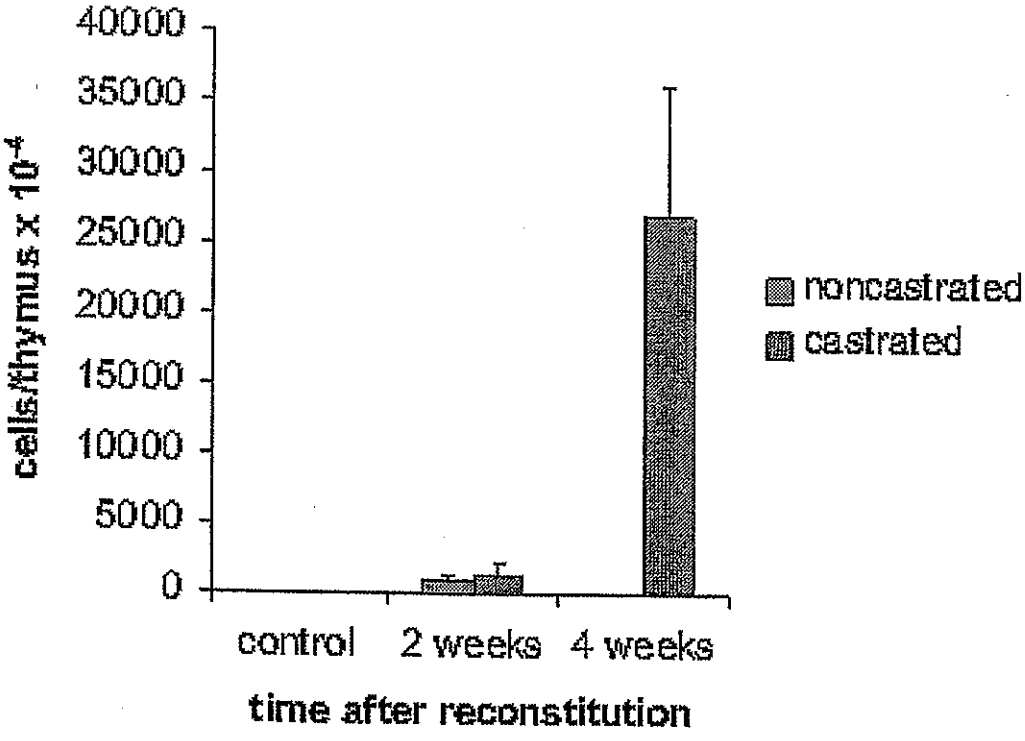

40000
35000
30000
25000
20000
15000
10000
5000
0
cells/thymus x 10-4
control
2 weeks
4 weeks
time after reconstitution
noncastrated
castrated

FIGURE 15

12 APR 2005

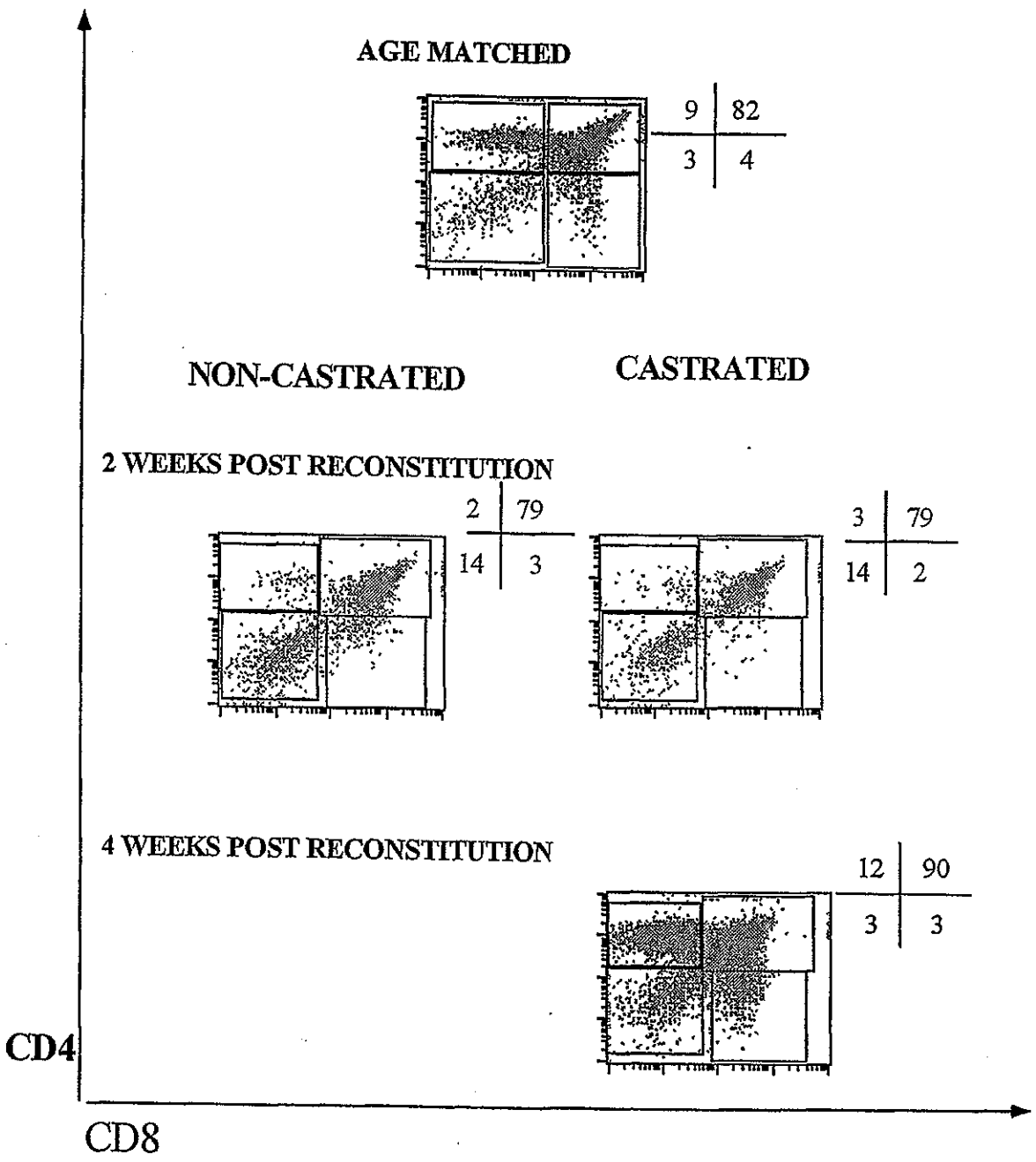


FIGURE 16

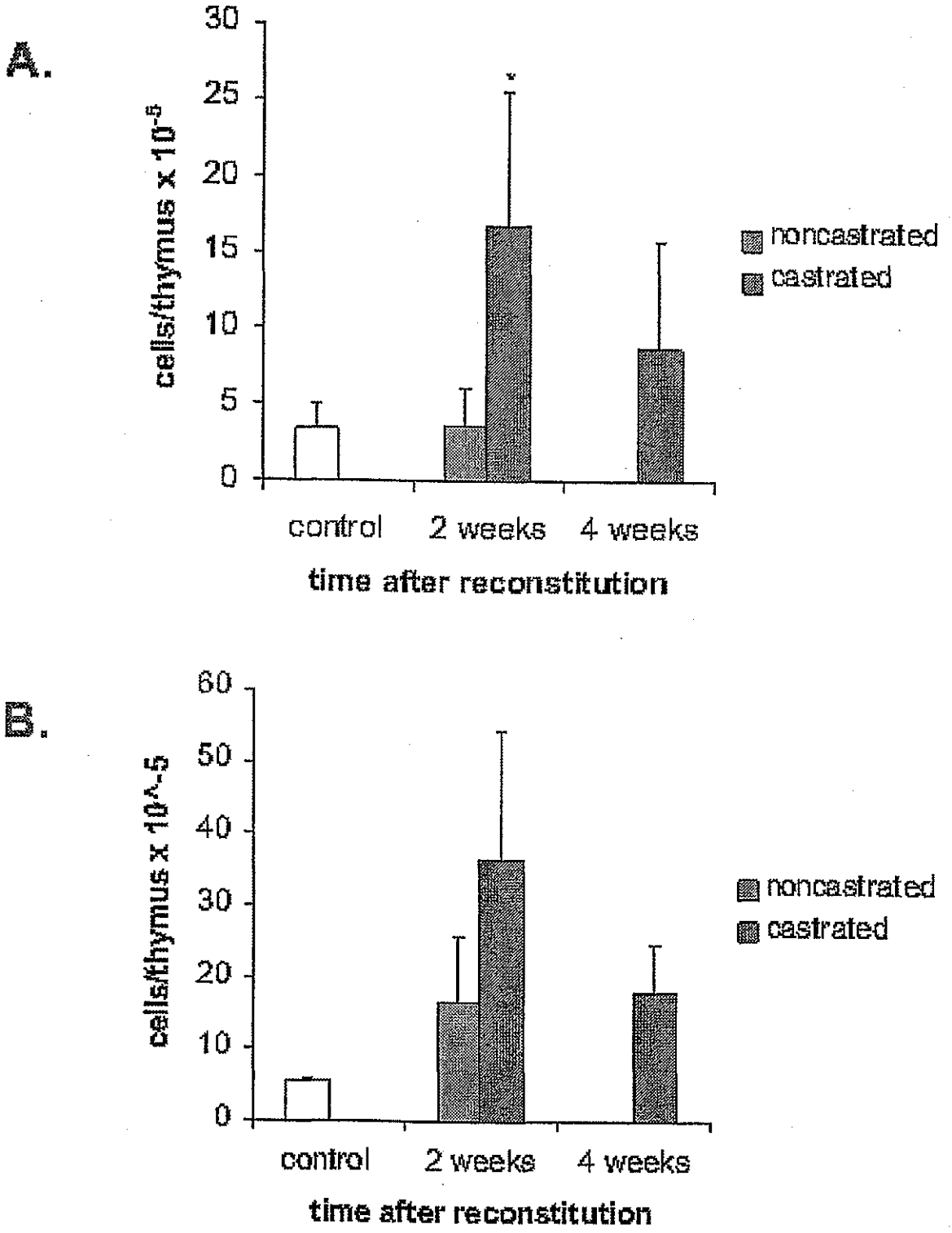

A.
30
25
20
15
10
5
0
cells/thymus x 10^-5
*
noncastrated
castrated
control
2 weeks
4 weeks
time after reconstitution
B.
60
50
40
30
20
10
0
cells/thymus x 10^-5
noncastrated
castrated
control
2 weeks
4 weeks
time after reconstitution

FIGURE 17

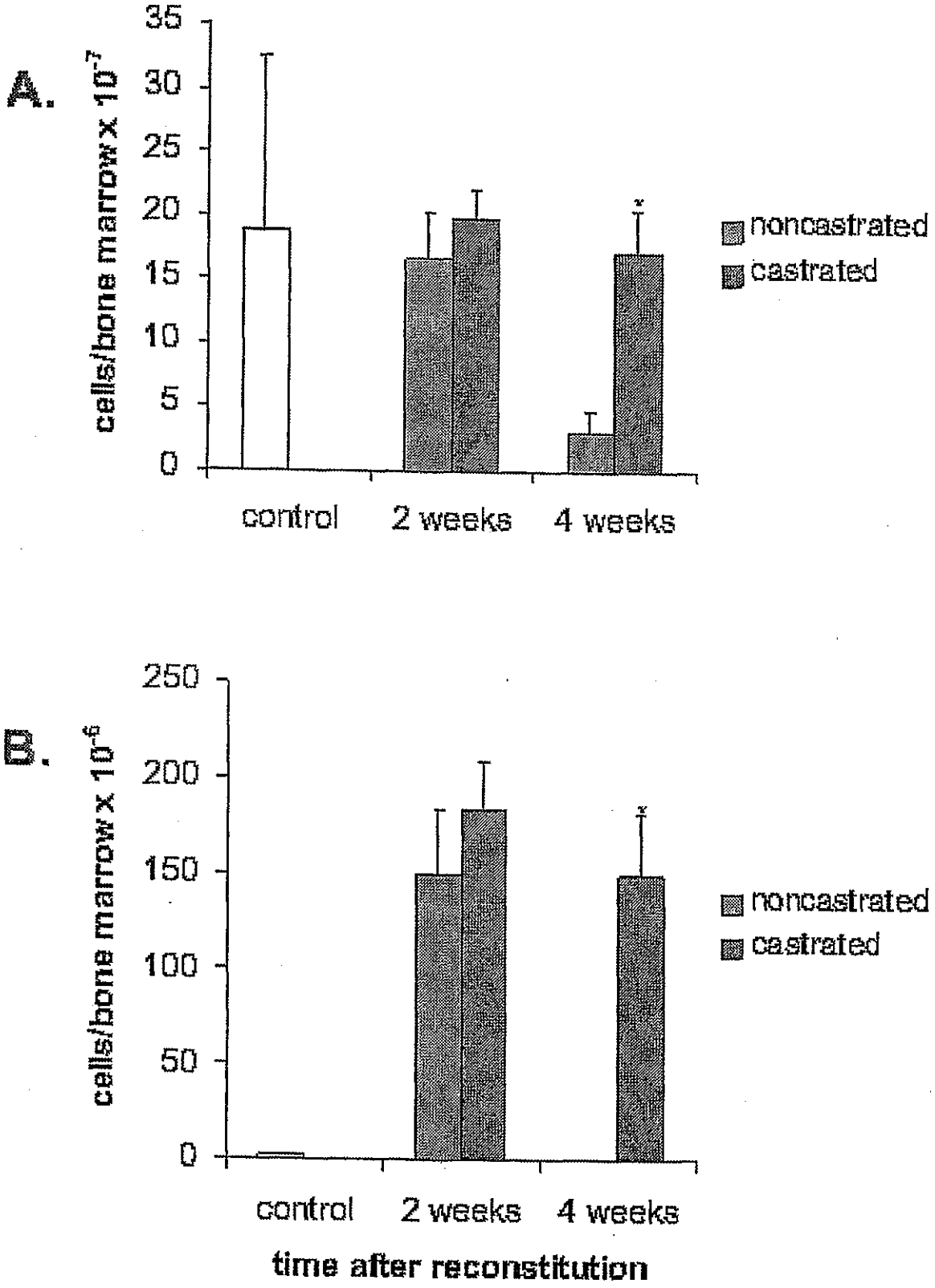

A.
cells/bone marrow x 10^{-7}
35
30
25
20
15
10
5
0
control
2 weeks
4 weeks
noncastrated
castrated
B.
cells/bone marrow x 10^{-6}
250
200
150
100
50
0
control
2 weeks
4 weeks
noncastrated
castrated
time after reconstitution

Figure 18

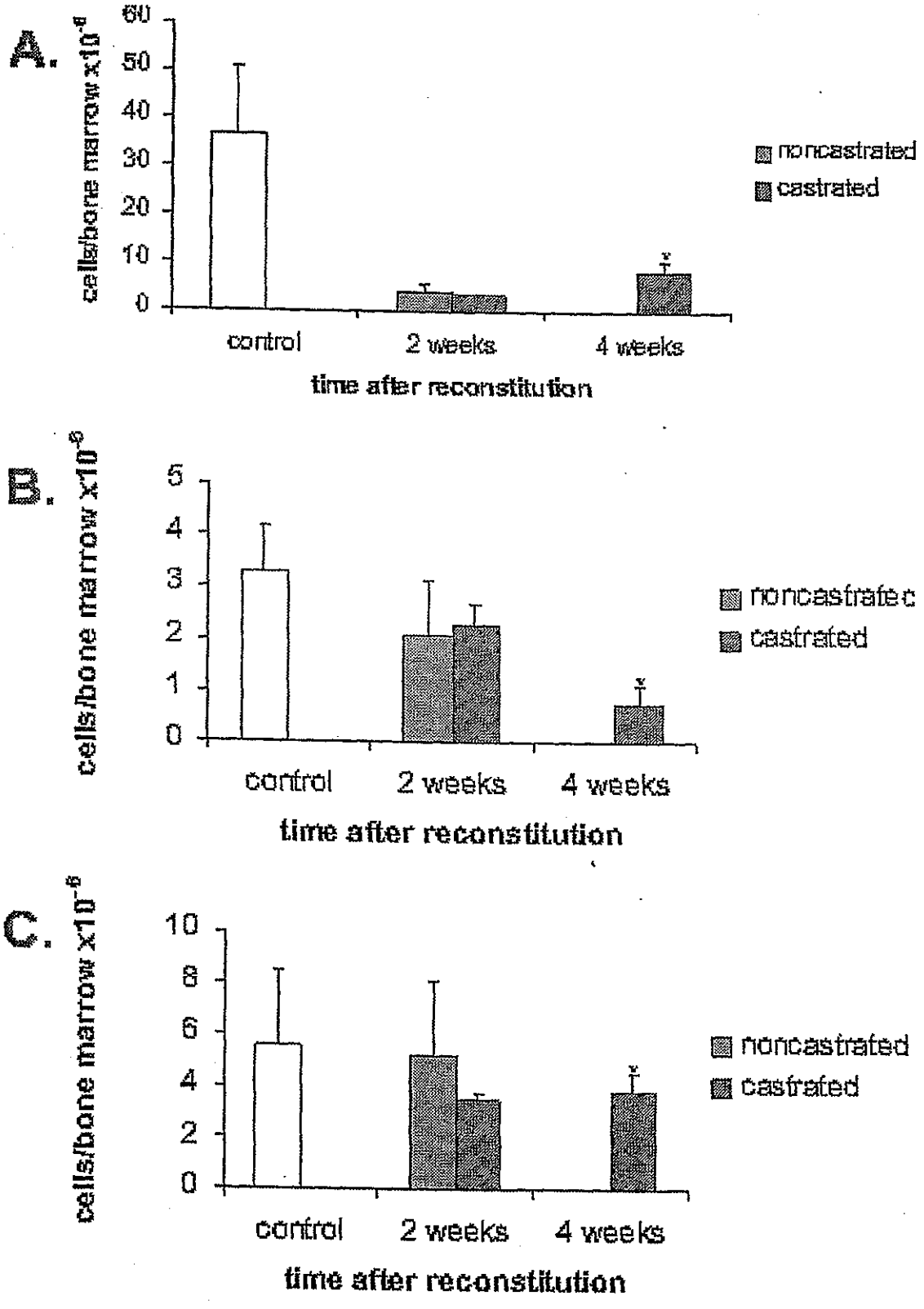

A.
cells/bone marrow x10⁻⁶
60
50
40
30
20
10
0
control
2 weeks
4 weeks
time after reconstitution
noncastrated
castrated
B.
cells/bone marrow x10⁻⁶
5
4
3
2
1
0
control
2 weeks
4 weeks
time after reconstitution
noncastrated
castrated
C.
cells/bone marrow x10⁻⁶
10
8
6
4
2
0
control
2 weeks
4 weeks
time after reconstitution
noncastrated
castrated

Figure 19

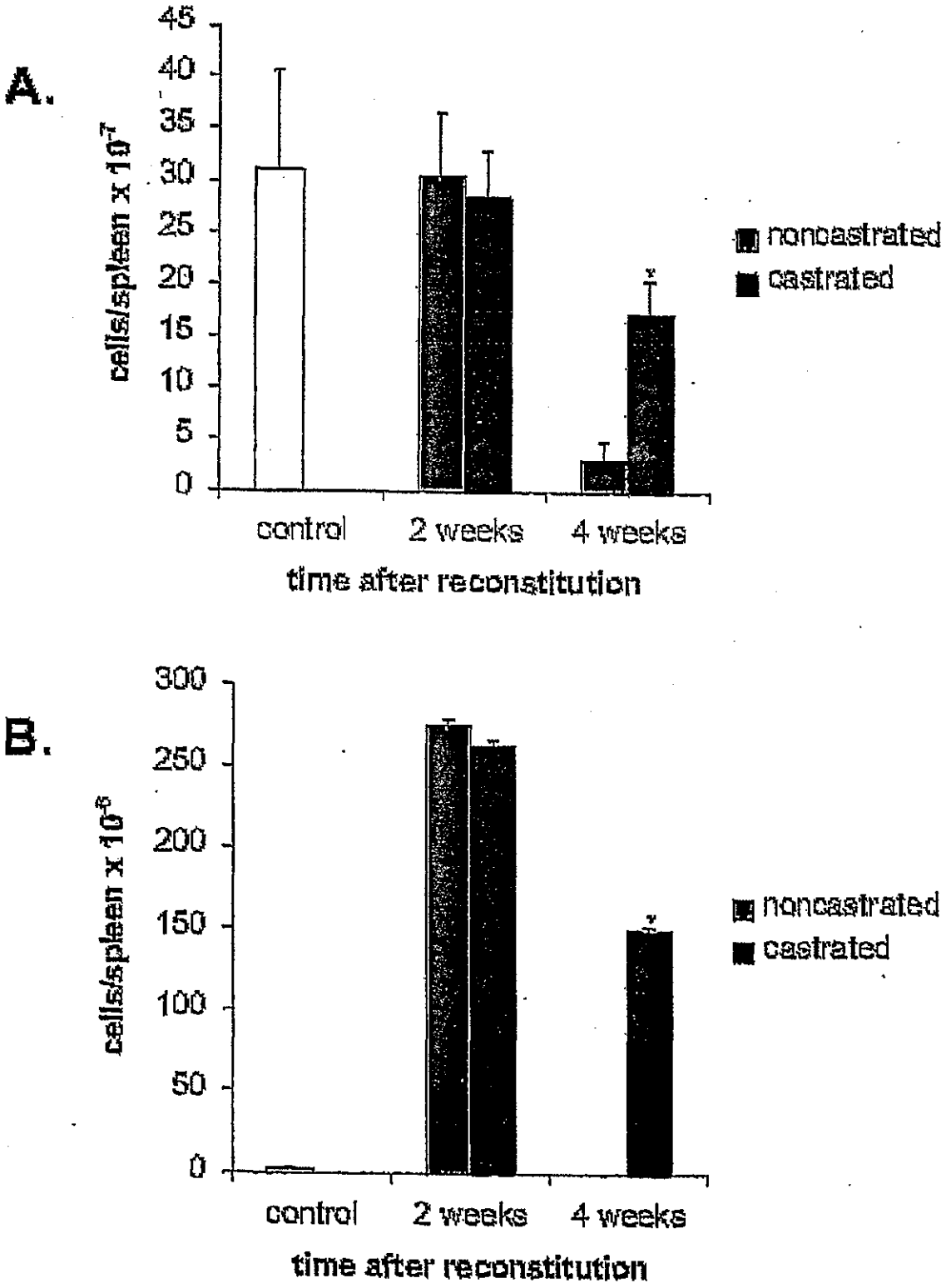

A.
cells/spleen x 10⁻⁷
45
40
35
30
25
20
15
10
5
0
control
2 weeks
4 weeks
time after reconstitution
noncastrated
castrated
B.
cells/spleen x 10⁻⁶
300
250
200
150
100
50
0
control
2 weeks
4 weeks
time after reconstitution
noncastrated
castrated

Figure 20

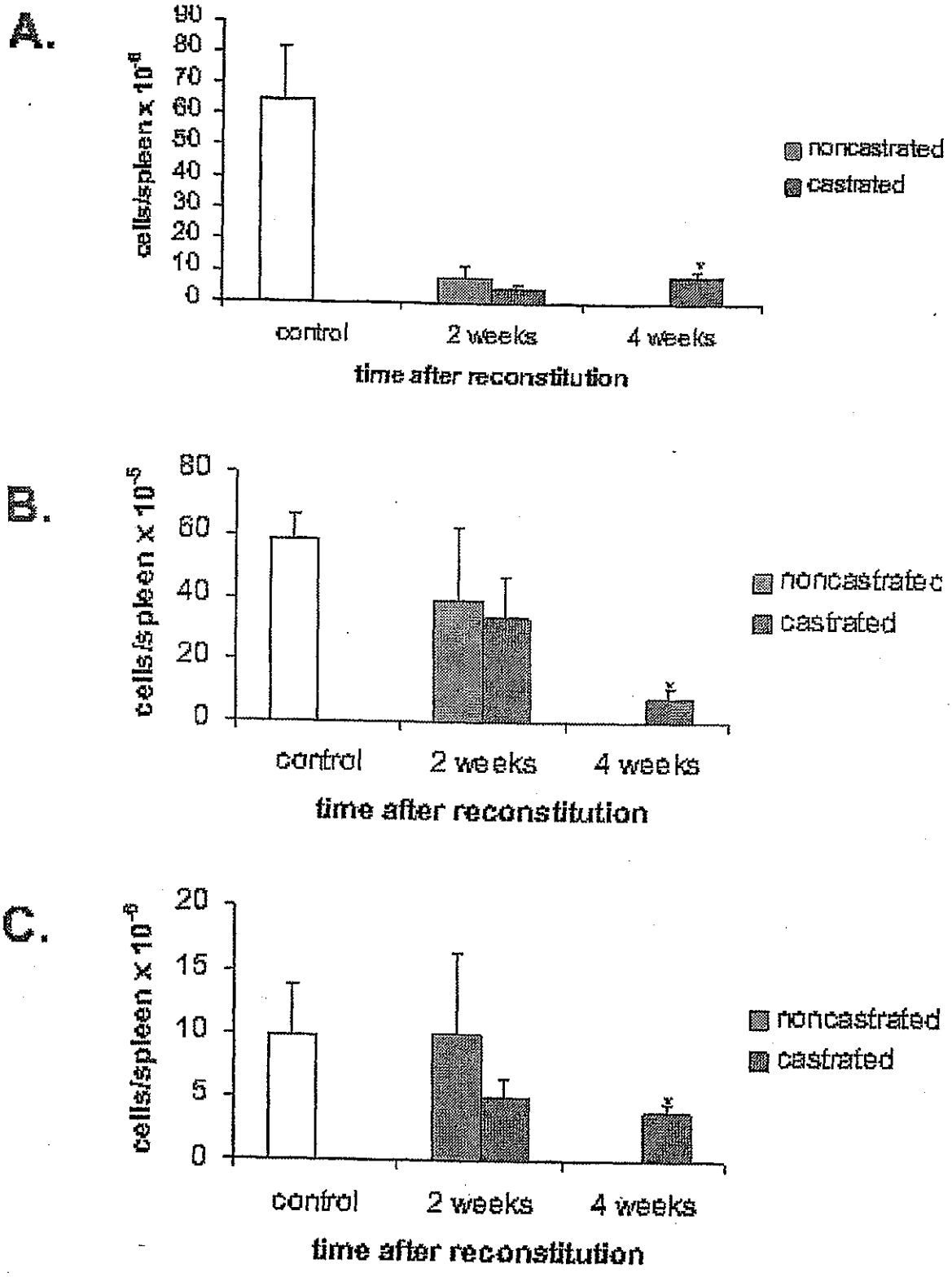
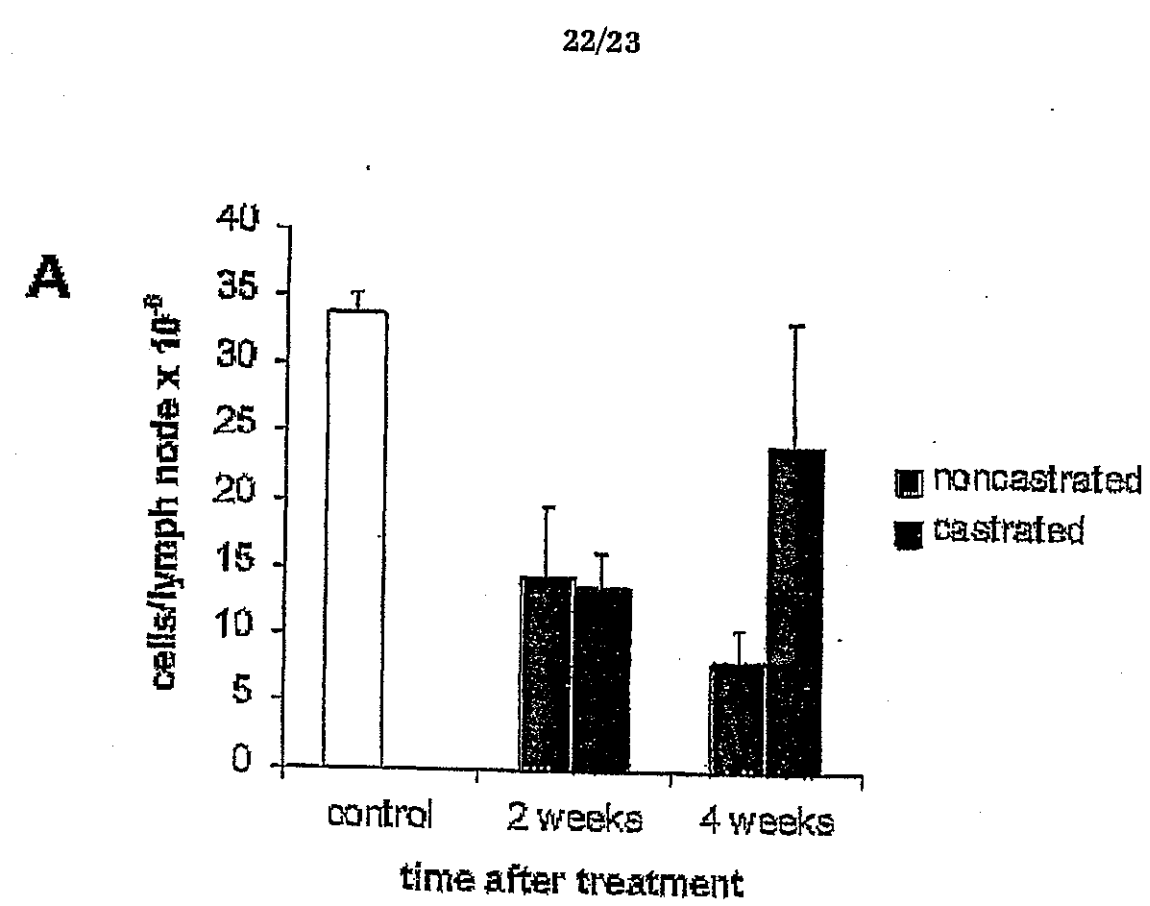

A.
cells/spleen x 10⁻⁶
90
80
70
60
50
40
30
20
10
0
control
2 weeks
4 weeks
time after reconstitution
noncastrated
castrated
B.
cells/spleen x 10⁻⁵
80
60
40
20
0
control
2 weeks
4 weeks
time after reconstitution
noncastrated
castrated
C.
cells/spleen x 10⁻⁶
20
15
10
5
0
control
2 weeks
4 weeks
time after reconstitution
noncastrated
castrated

Figure 21


A
cells/lymph node x 10⁻⁶
40
35
30
25
20
15
10
5
0
control
2 weeks
4 weeks
time after treatment
noncastrated
castrated

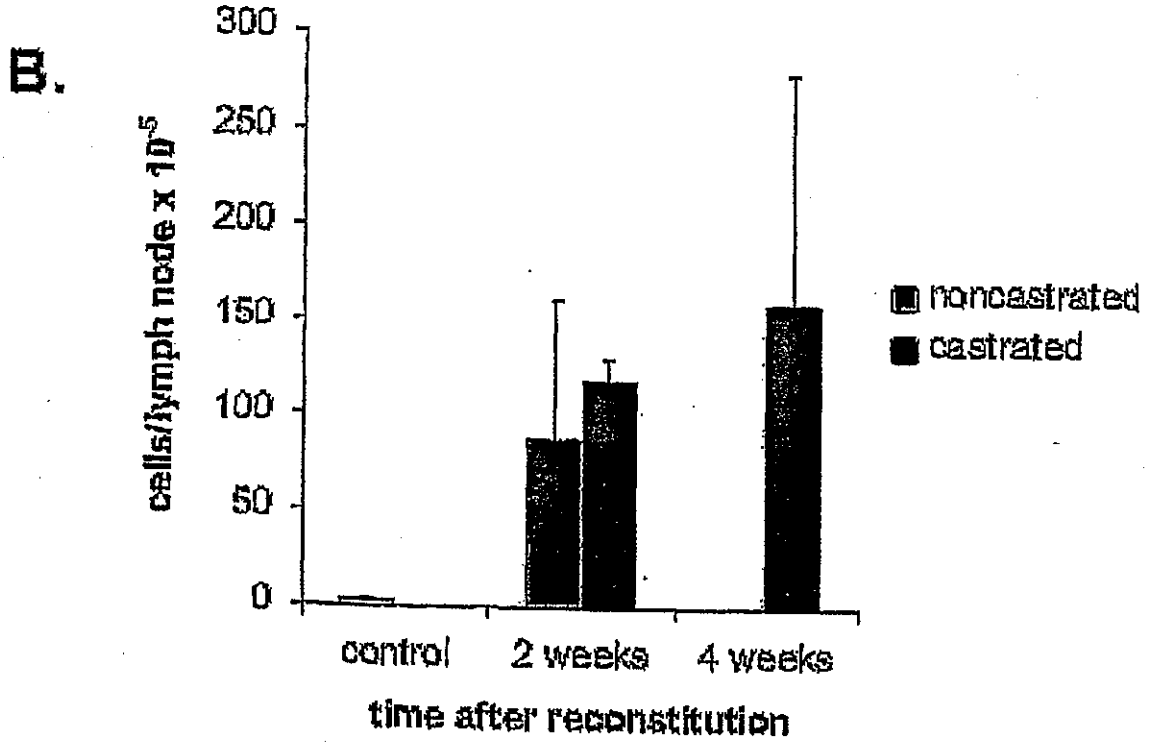

B.
cells/lymph node x 10⁻⁵
300
250
200
150
100
50
0
control
2 weeks
4 weeks
time after reconstitution
noncastrated
castrated

Figure 22

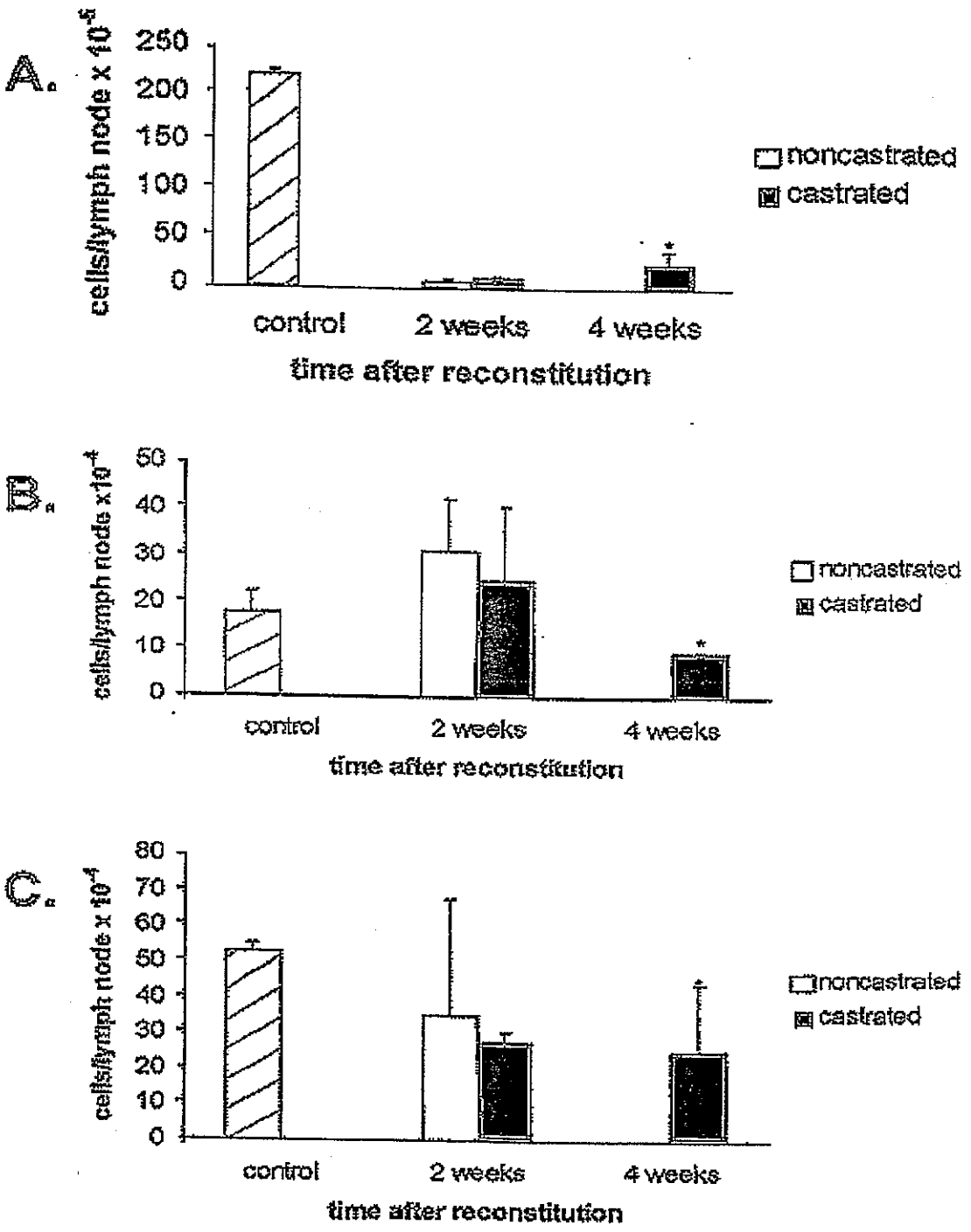

A.
cells/lymph node x 10-5
250
200
150
100
50
0
control
2 weeks
4 weeks
time after reconstitution
noncastrated
castrated
B.
cells/lymph node x10-4
50
40
30
20
10
0
control
2 weeks
4 weeks
time after reconstitution
noncastrated
castrated
C.
cells/lymph node x 10-4
80
70
60
50
40
30
20
10
0
control
2 weeks
4 weeks
time after reconstitution
noncastrated
castrated

FIGURE 23