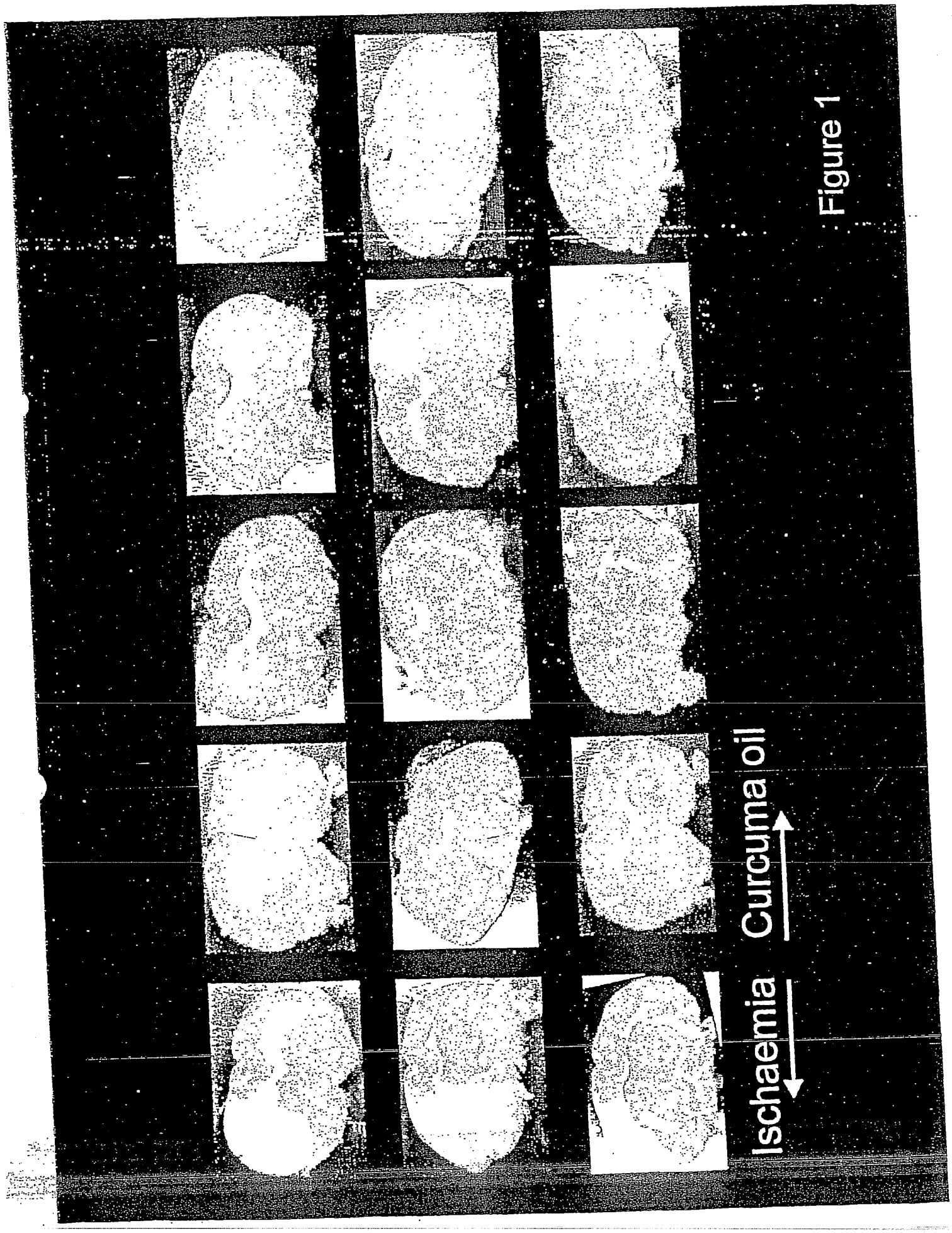
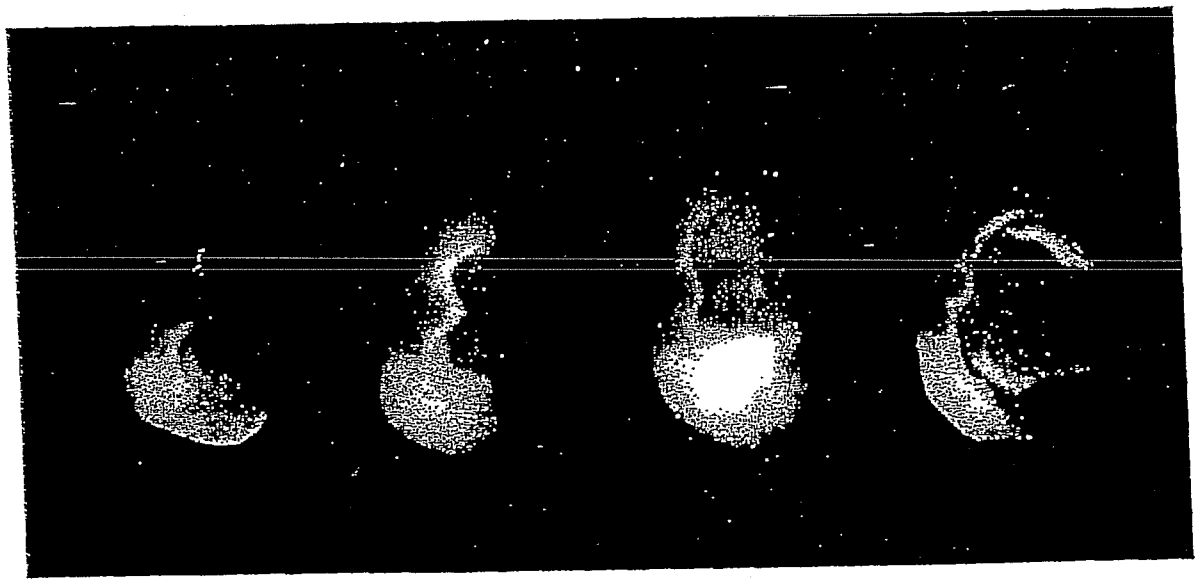


Figure 1

Figure 2



Fraction A

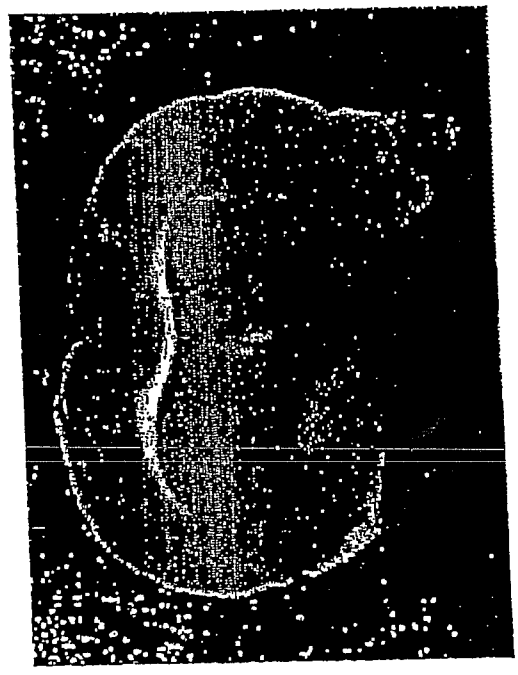


Ischaemia

Figure 3



Ischaemia



Fraction B

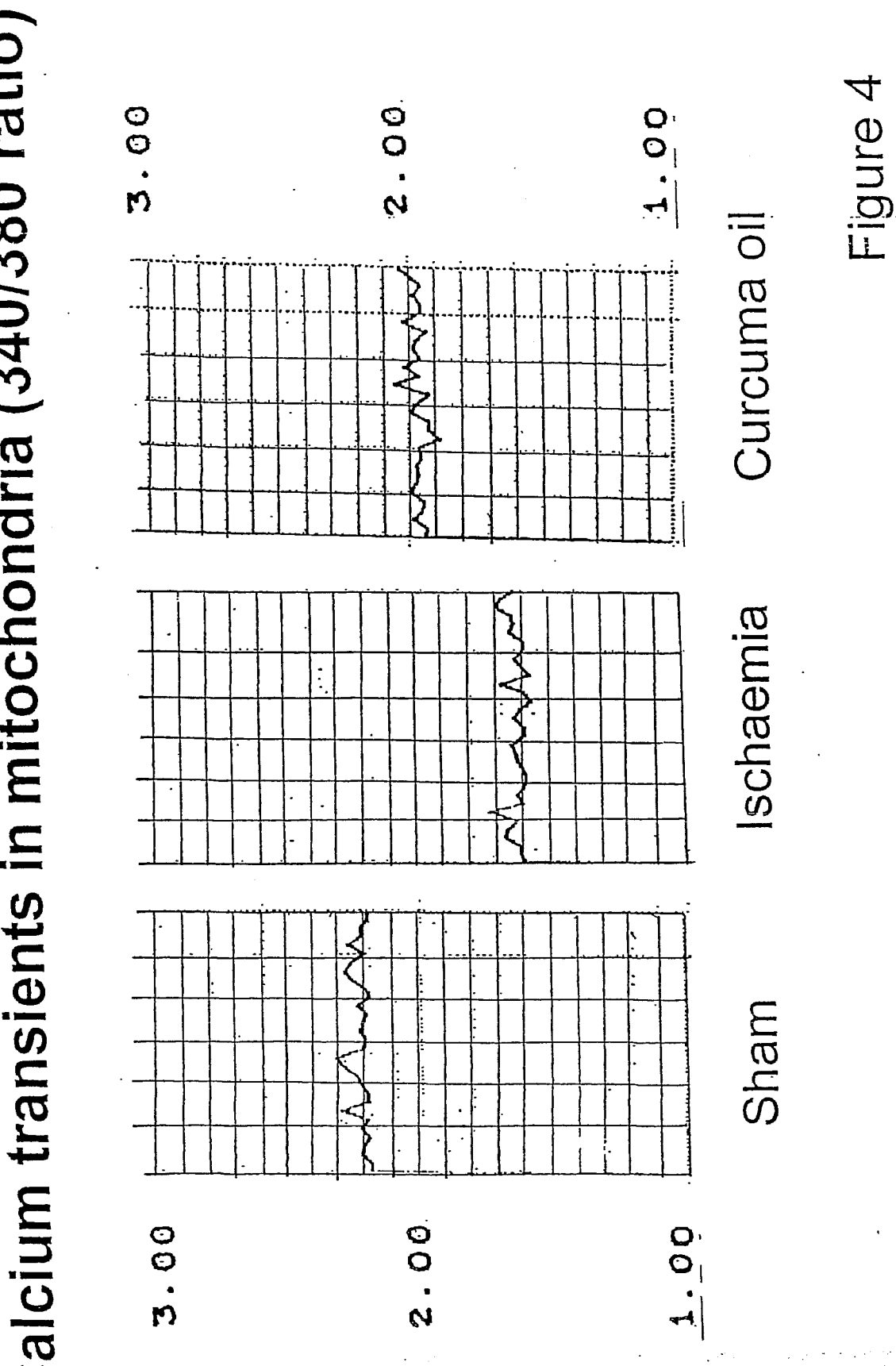

Calcium transients in mitochondria (340/380 ratio)
3.00
2.00
1.00
Sham
Ischaemia
Curcuma oil
3.00
2.00
1.00

Figure 4

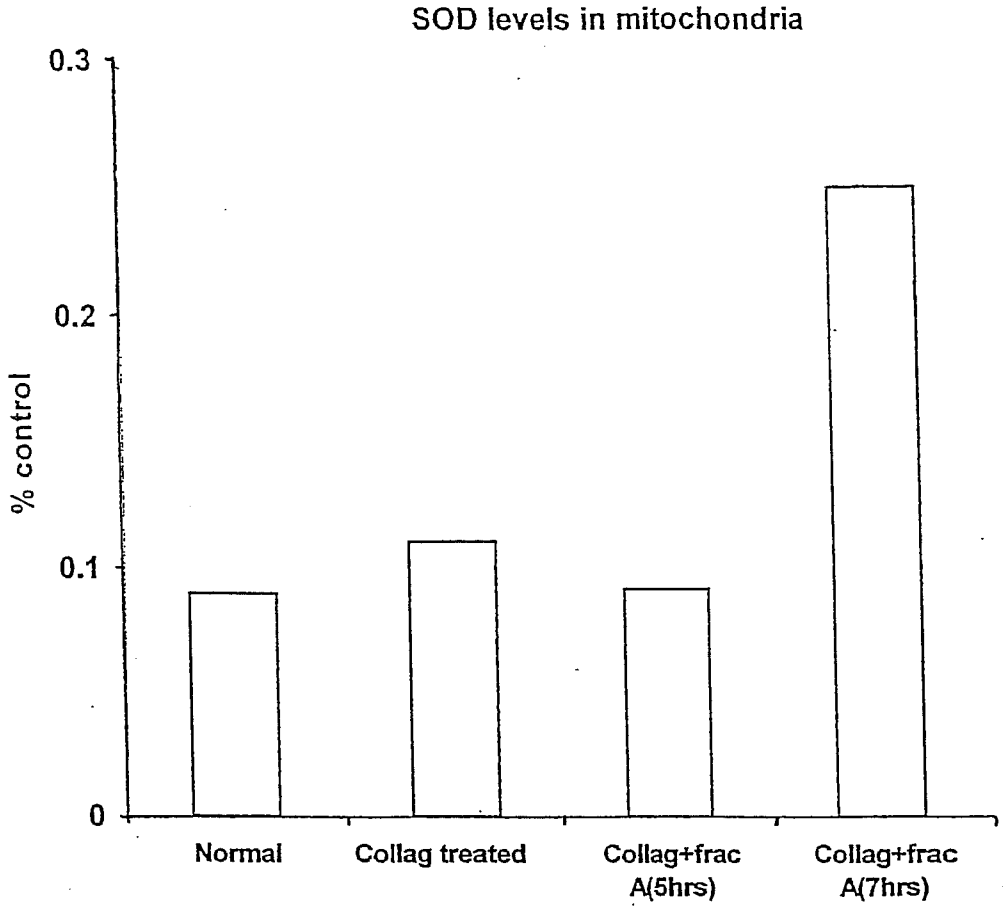

SOD levels in mitochondria
0.3
0.2
0.1
0
% control
Normal
Collag treated
Collag+frac A(5hrs)
Collag+frac A(7hrs)

Figure.5

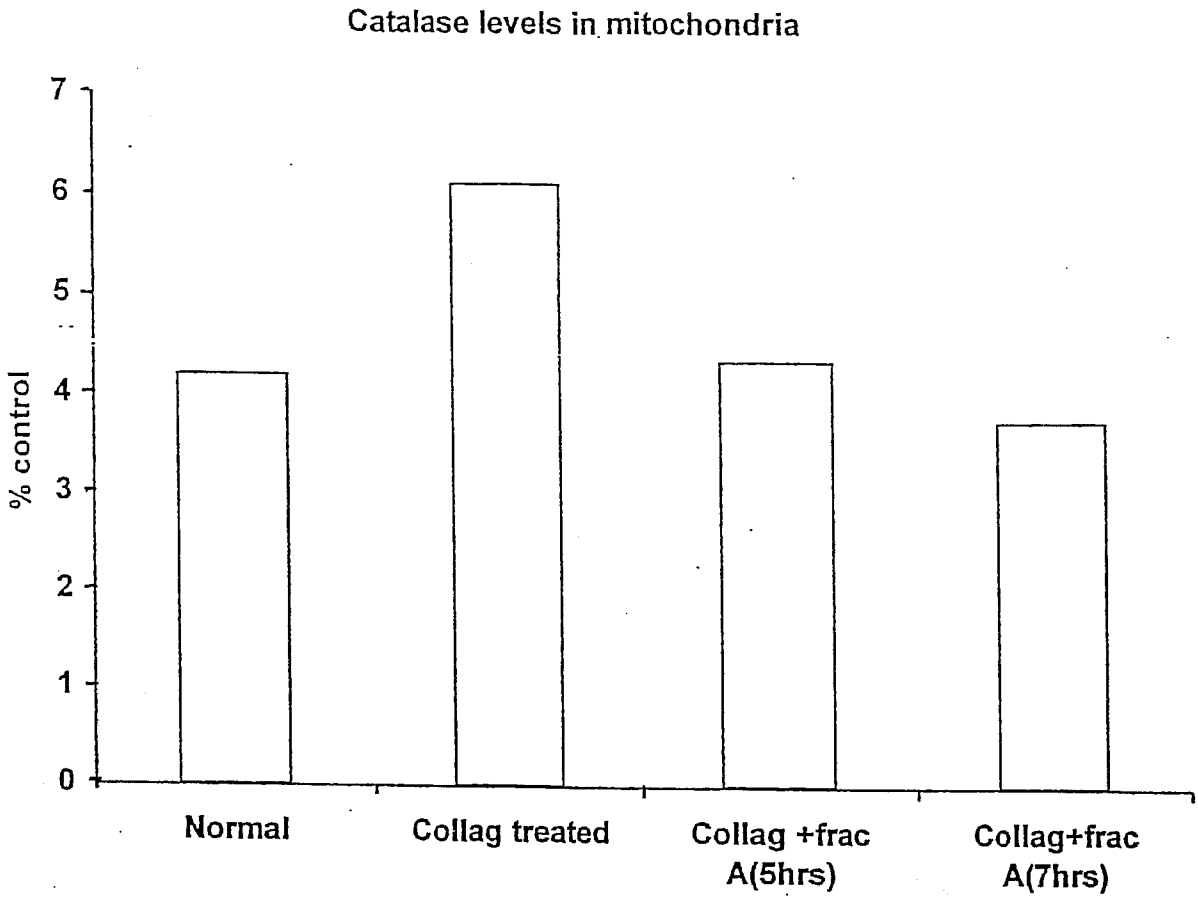

Catalase levels in mitochondria
% control
0
1
2
3
4
5
6
7
Normal
Collag treated
Collag +frac A(5hrs)
Collag+frac A(7hrs)

Figure6

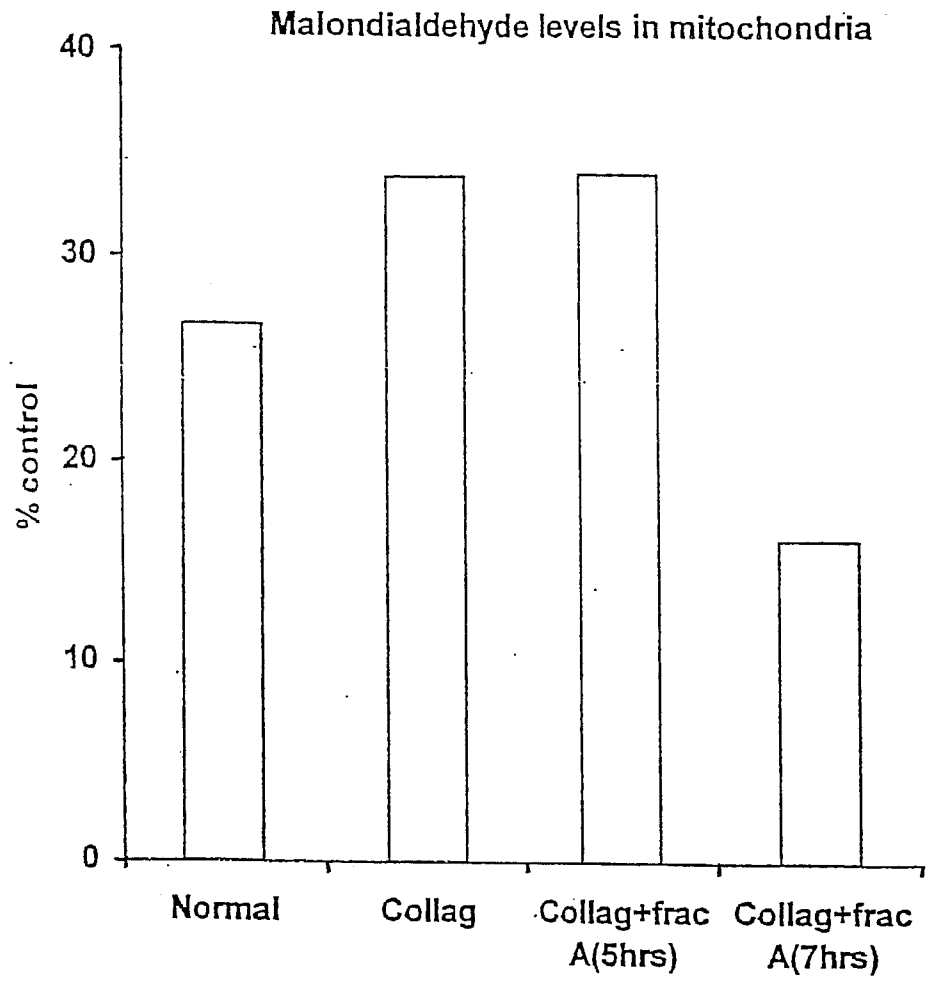

Malondialdehyde levels in mitochondria
% control
40
30
20
10
0
Normal
Collag
Collag+frac A(5hrs)
Collag+frac A(7hrs)

Figure 7

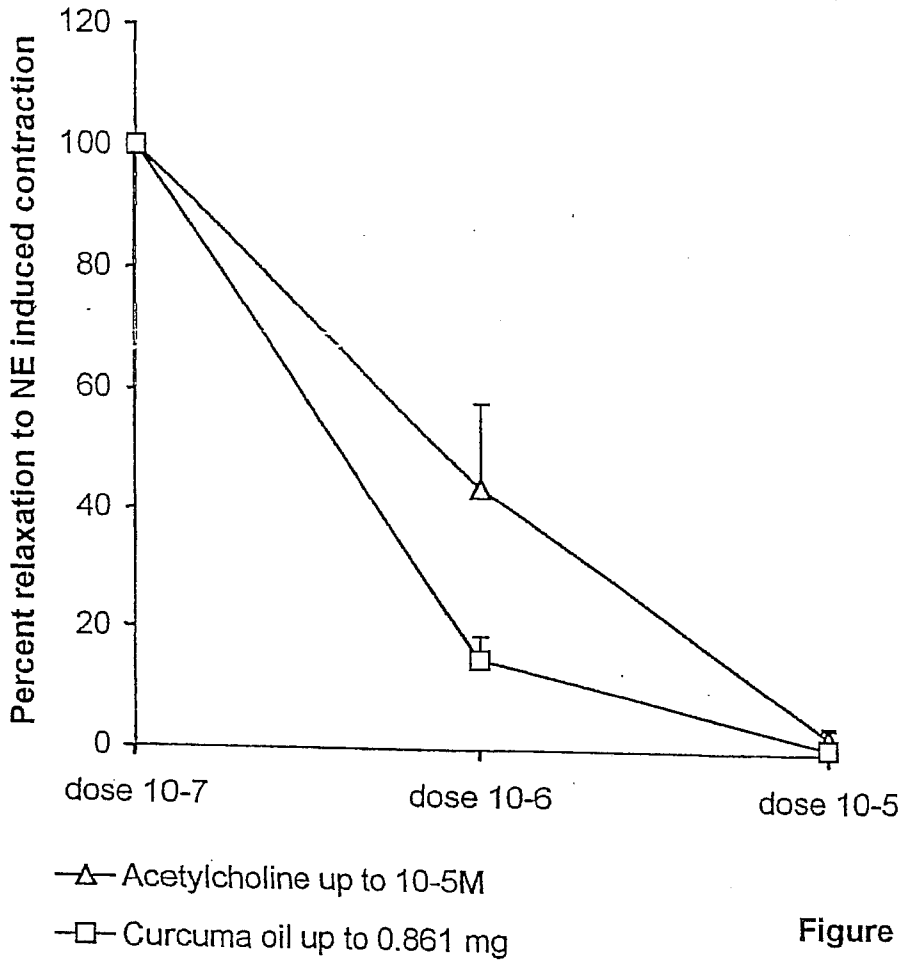

Percent relaxation to NE induced contraction
120
100
80
60
40
20
0
dose 10-7
dose 10-6
dose 10-5
Acetylcholine up to 10-5M
Curcuma oil up to 0.861 mg

Figure 8

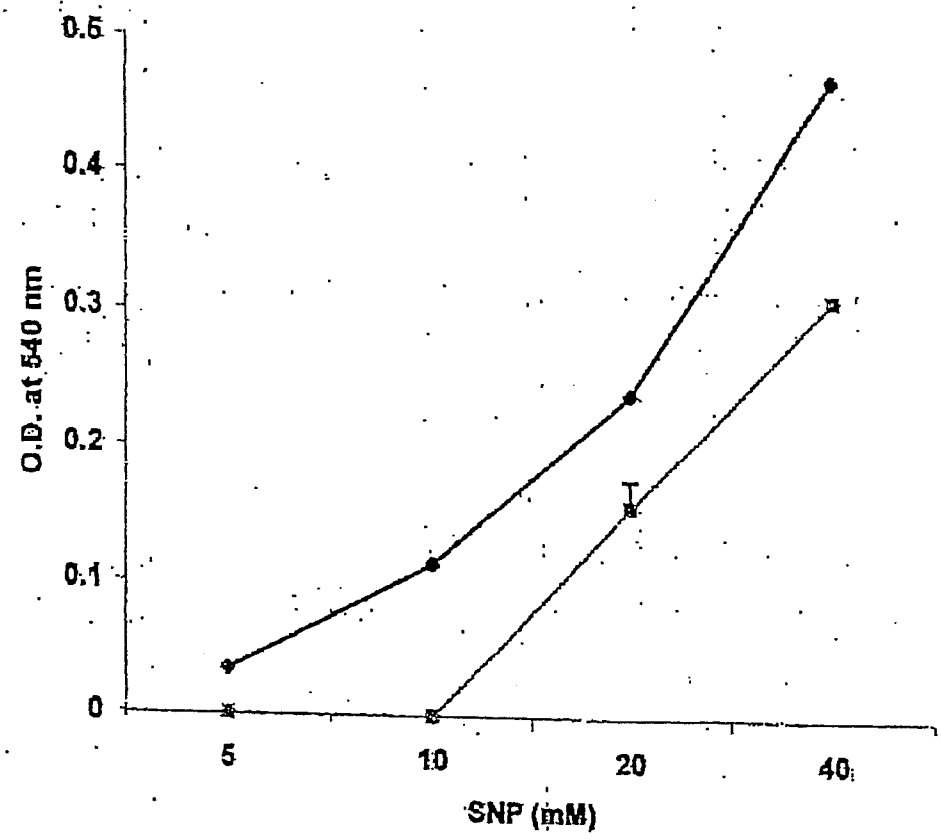

0.6
0.4
0.3
0.2
0.1
0
O.D. at 540 nm
5
10
20
40
SNP (mM)
SNP only
SNP+Fraction A

Figure 9