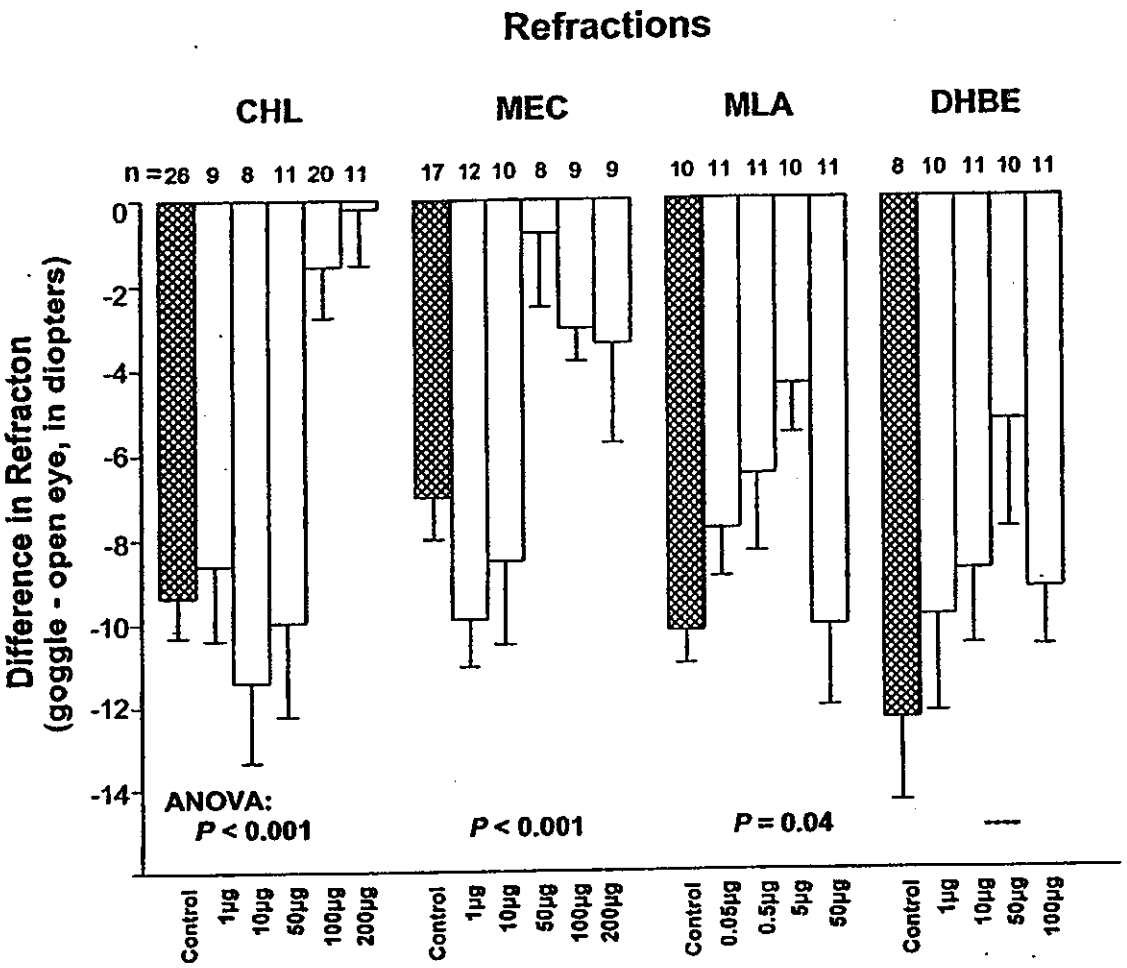
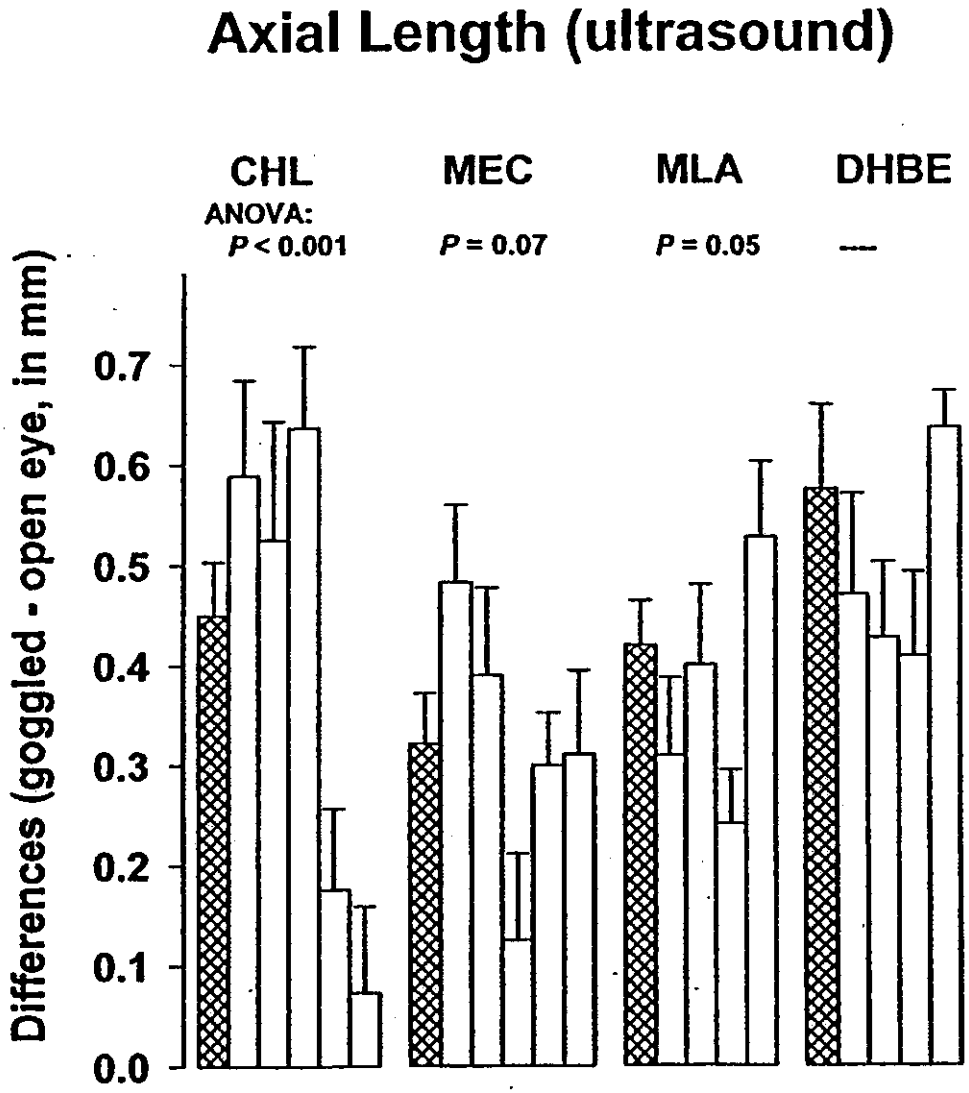

Refractions
CHL
MEC
MLA
DHBE
n = 26 9 8 11 20 11
17 12 10 8 9 9
10 11 11 10 11
8 10 11 10 11
Difference in Refracton
(goggle - open eye, in diopters)
0
-2
-4
-6
-8
-10
-12
-14
ANOVA:
P < 0.001
P < 0.001
P = 0.04

Control
1µg
10µg
50µg
100µg
200µg
Control
1µg
10µg
50µg
100µg
200µg
Control
0.05µg
0.5µg
5µg
50µg
Control
1µg
10µg
50µg
100µg

Figure 1


Axial Length (ultrasound)
CHL
MEC
MLA
DHBE
ANOVA:
P < 0.001
P = 0.07
P = 0.05

Differences (goggled - open eye, in mm)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0

Figure 2A

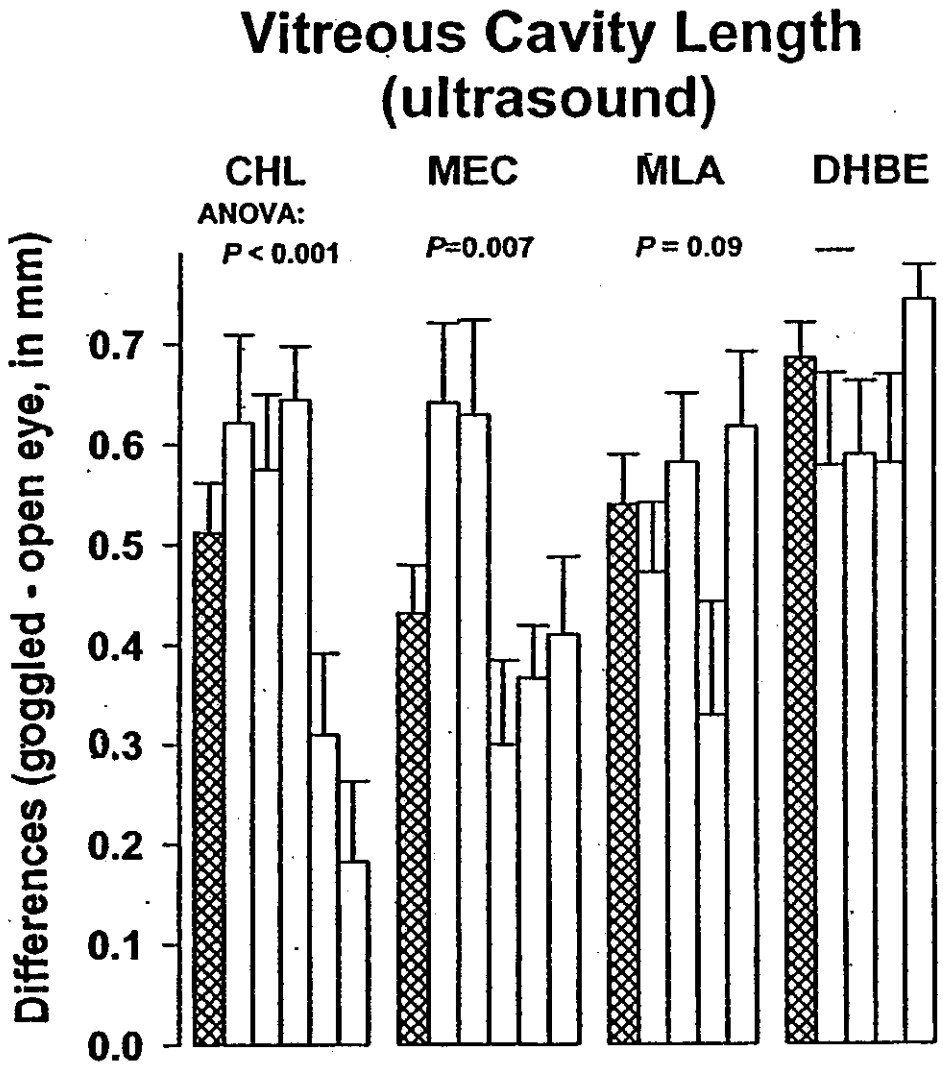

Vitreous Cavity Length
(ultrasound)
CHL
MEC
MLA
DHBE
ANOVA:
P < 0.001
P=0.007
P = 0.09
—
Differences (goggled - open eye, in mm)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0

Figure 2B

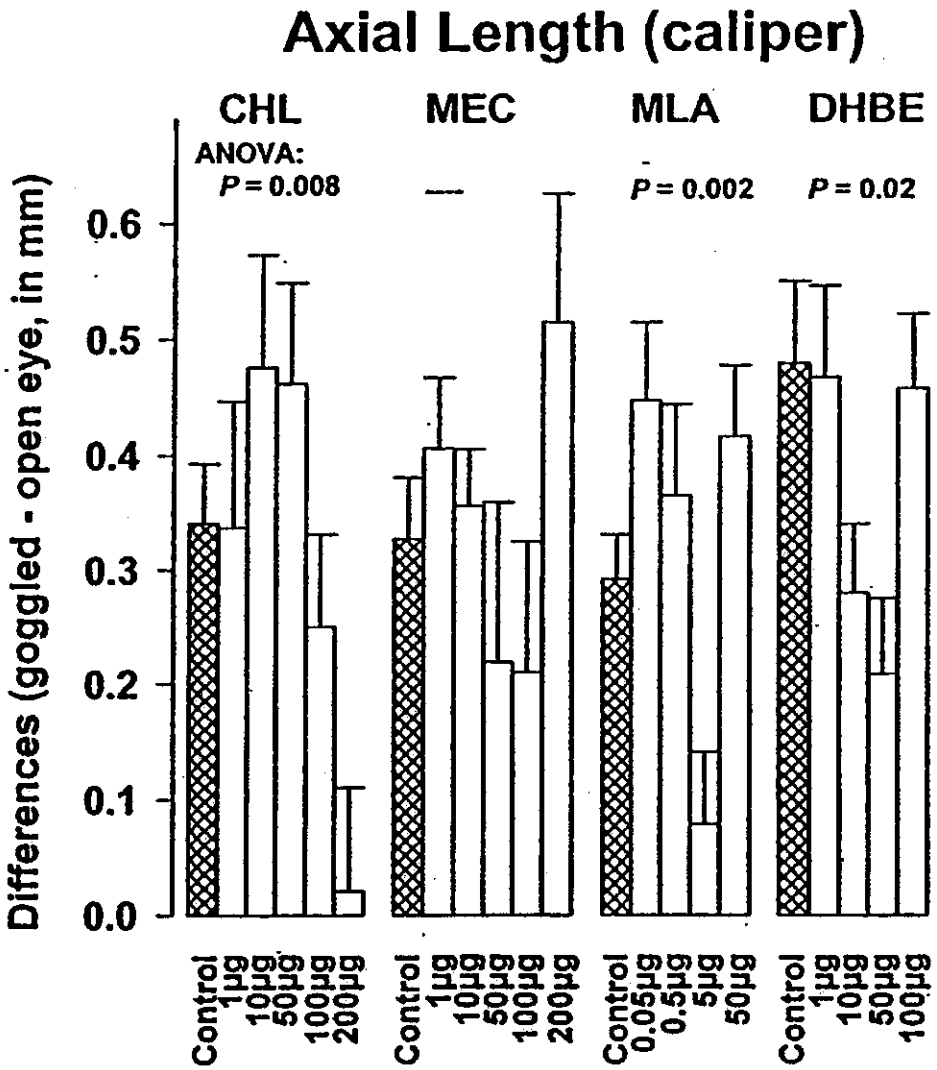

Axial Length (caliper)
CHL
MEC
MLA
DHBE
ANOVA:
P = 0.008
—
P = 0.002
P = 0.02
Differences (goggled - open eye, in mm)
0.6
0.5
0.4
0.3
0.2
0.1
0.0
Control
1µg
10µg
50µg
100µg
200µg
Control
1µg
10µg
50µg
100µg
200µg
Control
0.05µg
0.5µg
5µg
50µg
Control
1µg
10µg
50µg
100µg

Figure 2C

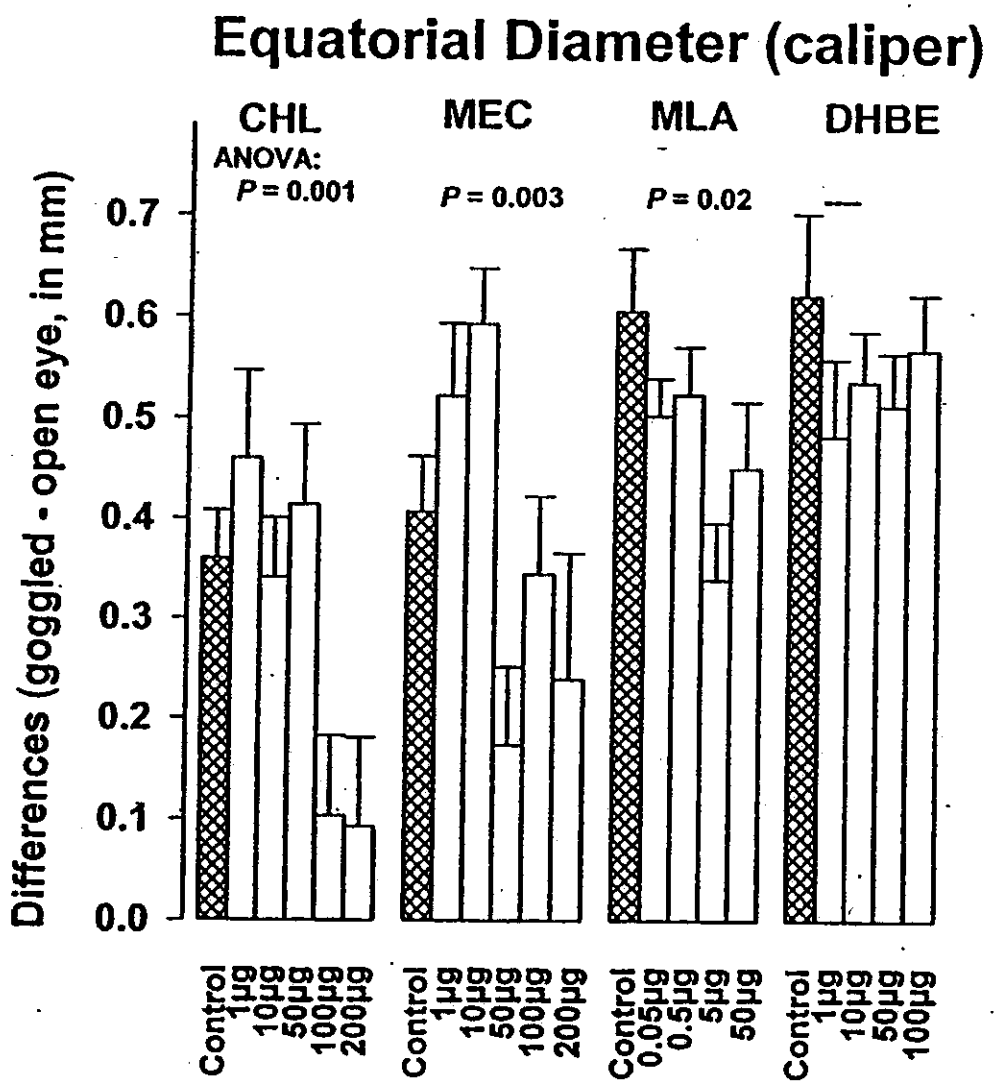

Equatorial Diameter (caliper)
CHL
MEC
MLA
DHBE
ANOVA:
P = 0.001
P = 0.003
P = 0.02
Differences (goggled - open eye, in mm)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
Control
1µg
10µg
50µg
100µg
200µg
Control
1µg
10µg
50µg
100µg
200µg
Control
0.05µg
0.5µg
5µg
50µg
Control
1µg
10µg
50µg
100µg

Figure 2D

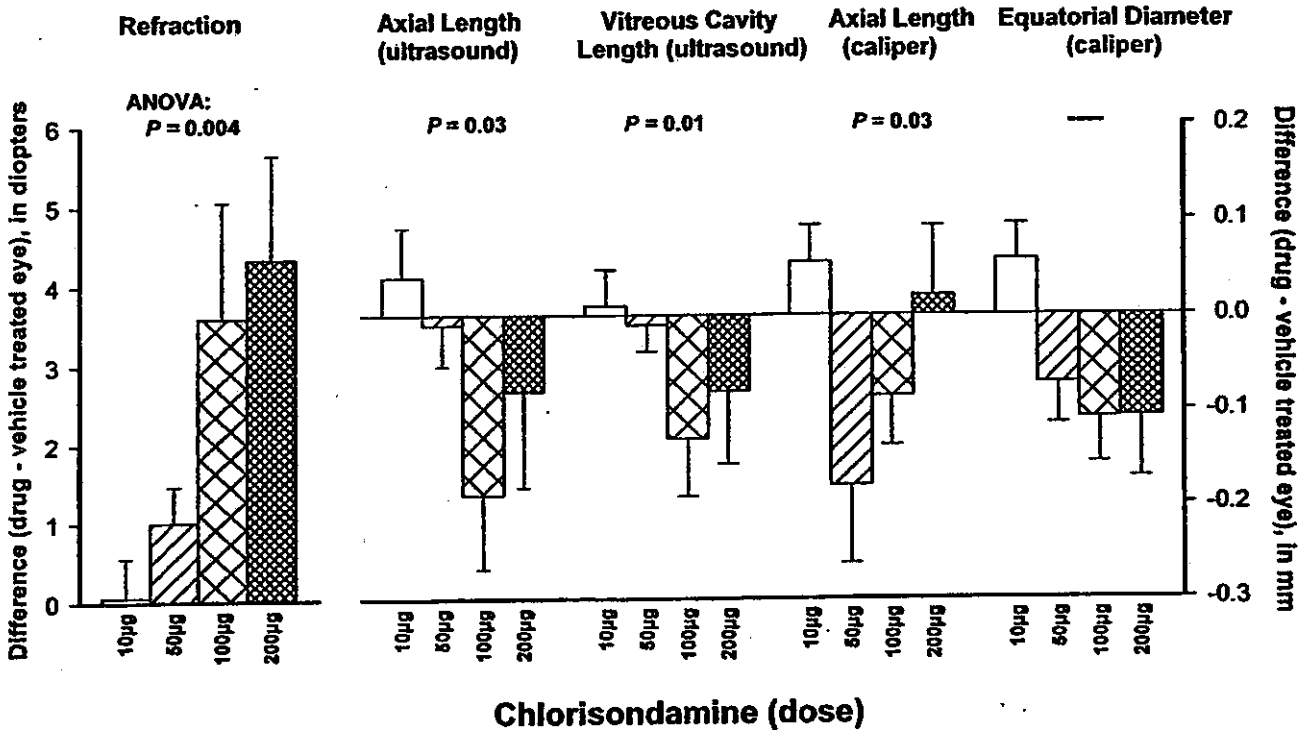

Refraction
Axial Length (ultrasound)
Vitreous Cavity Length (ultrasound)
Axial Length (caliper)
Equatorial Diameter (caliper)
ANOVA:
P = 0.004
P = 0.03
P = 0.01
P = 0.03
Difference (drug - vehicle treated eye), in diopters
Difference (drug - vehicle treated eye), in mm
0
1
2
3
4
5
6
0.2
0.1
0.0
-0.1
-0.2
-0.3
10µg
50µg
100µg
200µg
Chlorisondamine (dose)

Figure 3