

P L I A A T R -B C C A

1, 1, 1, 2, 2, 1

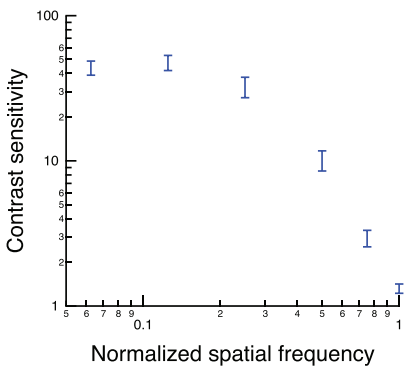
PROPOSE. **METHODS.** **RESULTS.** **CONCLUSIONS.**

Invest Ophthalmol Vis Sci. 2014;55:2030-2035. DOI: 10.1167/13.13.13739

Investigative Ophthalmology & Visual Science

ASSOCIATION OF... **CONCLUSIONS.**

Invest Ophthalmol Vis Sci. 2014;55:5783-5788. DOI: 10.1167/13.13.13739



24.9 ± 1.2 ($P < 0.001$). 16.2 ± 1.9 ($P < 0.001$; $F_{1,6} = 6.1, P < 0.01$), 13.1 ± 1.5 ($P < 0.001$; $F_{1,6} = 6.1, P < 0.01$), $16.7 \pm 3.2\%$, $P < 0.001$; $F_{1,6} = 6.1, P < 0.01$), 19.5 ± 3.8 ($P < 0.001$; $F_{1,6} = 6.1, P < 0.01$), $15.1 \pm 3.2\%$, $P < 0.001$; $F_{1,6} = 6.1, P < 0.01$), 19.5 ± 3.8 ($P < 0.001$; $F_{1,6} = 6.1, P < 0.01$), 10.7 ± 0.9 ($P < 0.001$; $F_{1,6} = 6.1, P < 0.01$), $14.9 \pm 2.8\%$, $P < 0.001$; $F_{1,6} = 6.1, P < 0.01$), 15.6 ± 2.6 ($P < 0.001$; $F_{1,6} = 6.1, P < 0.01$), $14.5 \pm 2.9\%$, $P < 0.001$; $F_{1,6} = 6.1, P < 0.01$), $27.0 \pm 4.0\%$ ($P < 0.001$; $F_{1,6} = 6.1, P < 0.01$), 11.5% (69.4%), 52.8% ($F_{1,6} = 6.1, P < 0.01$), 1.6 ($P < 0.001$; $F_{1,6} = 6.1, P < 0.01$), 12 ($P < 0.001$; $F_{1,6} = 6.1, P < 0.01$), 1.5 ± 0.2 ($P < 0.001$; $F_{1,6} = 6.1, P < 0.01$), $8.4 \pm 2.0\%$ (0.4), 1.5 ± 0.2 ($P < 0.001$; $F_{1,6} = 6.1, P < 0.01$), 6.37 , $P < 0.021$, 3.56 , $P < 0.075$, 24.1% ($n = 8$), 35.4% ($n = 11$), 244.2 ± 32.3 ($P < 0.053$), $39.2 \pm 5.2\%$, $P < 0.001$, 415.3 ± 44.1 , 190.0

s f f s f ss s s f
 f s s f ss s s .
 f f ss s f f s f f s f-
 f s s f . , f s f -
 s s .²² f f , f s , f
 ss s .²² f f , f s f f - s
 f f ss.²³ f f
 f s f s f s f s s
 s s s . s f f s
 f f s f, s s s s
 s s s .
 A f , ss
 f s s s s f f ,^{7,8}
 s f s f f s s : f s
 s s , s , s f . f f s ss
 E f s s s s s .
 f s f f s f f s f -
 f f f s f s, ss
 f s f f s.^{5,30} f f f f
 f s s s s f
 f s f f f s
 (F . 5). f s ,⁵ f f f
 s f (f s f
). f s s s s s f
 f f s f
 s s f s s s s f f
 f s, f s s f s f -
 s f , s f f f f
 s f f s s s f f -
 s f (F s . 6 , 6). f s s s ,
 f s f f f ,
 f s f s .
 f f s s s
 - " f s " s . f E f s s
 f f s s f f s
 f f f , s s

S M M A R

s f f f s s
 s f s s s f s f
 s f s s s s f f s
 s , s f s f , f -
 s , f f f s

A c n t i t

f s f f f
 s s s s .
 f f f F C f s
 331000459 (-) 1230030 (C),
 s s f s 1E 04776 (A) 1E 01728
 01E 020976 (D).

D s s f : J.- , ; L.-J. C , ; S.A. K ,
 ; D.M. L , ; C. ,

R n c

1. f CA. *Squint: Its Causes, Pathology and Treatment.* : B s ; 1903.
2. , - , B , D. f s
 f f . *Proc Natl Acad Sci U S A.*
 2004;101:6692 6697.
3. D , . f s s
Proc Natl Acad Sci U S A. 1996;93:6830 6834.
4. , C, , f f s
 f s s s s s s s -
 . *Vision Res.* 2006;46:739 750.
5. CB, , B f f
 s s s s s s f
 . *Proc Natl Acad Sci U S A.* 2008;105:4068 4073.
6. , , , C. f f
 f s f f j f
 f s f f . *Invest Ophthalmol Vis
 Sci.* 2011;52:1531 1538.
7. D . f f f 2011: f f s
 s f f . *Optom Vis Sci.* 2012;89:827
 838.
8. D , . f s f
 f f : f f . *Vision Res.* 2009;49:2535 2549.
9. f CD, s .
 f f s f . *Nature.* 1992;356:150 152.
10. s , f f A, C , s A , E , B f
 . f f s f f f s
 s f s s f . *Science.* 1990;248:229
 231.
11. C , s , E 3f , s A , C
 f f f s s s
 f s f f f f . *Vision Res.* 1992;32:789
 796.
12. , D . C f f s s f -
 f s s f . *J Vis.*
 2004;4:476 487.
13. D , , f f f
 s . f s f . *Invest Oph-
 thalmol Vis Sci.* 1997;38:1493 1510.
14. s A, s , f A . f f
 f f f : f , f
 s f . *J Physiol.* 1995;483(3):797
 810.
15. f A, D. f f s f f
 s f : f f f s f s .
Proc Natl Acad Sci U S A. 1991;88:4966 4970.
16. A f , f f f
 1 f s . *J Neurophysiol.* 2003;89:
 2086 2100.
17. D , s . s s f s
 's s f f . *J Physiol.* 1959;148:574 591.
18. D , s . s , f f
 f f 's s f . *J Physiol.*
 1962;160:106 154.
19. , D , A. f f f s
 f - s f f s
 s f . *Nat Neurosci.* 2004;7:178 183.
20. CB, , s s f f
 f s s s s f
 . *J Vis.* 2009;924:21 14.
21. D s f BA, . s s f f . *Vis Res.*
 1999;39:3197 3221.

22. E, D, s BA, . Vision Res. 2010; 50:1928-1940.
23. A, D, C. J Neurosci. 2010;30:12323-12328.
24. A, D, C. C Curr Biol. 2008;18:1922-1926.
25. C, C. ss D J Vis. 2013;13:9.
26. A, D, C. s Vis Res. 2012;61:33-38.
27. D, A s Vision Res. 1991;31:1337-1350.
28. ss E, E. s Vision Res. 1977;17:1049-1055.
29. D, s Invest Ophthalmol Vis Sci. 1977;16:90-95.
30. As A, B, s Vision Res. 2010;50:2445-2454.
31. E, CB, F, s Invest Ophthalmol Vis Sci. 2011;52: 6501-6510.