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United States Patent [19]

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Tso et al.

[45] **Date of Patent:** **Jun. 18, 1996**

- [54] **METHOD OF RETARDING AND AMELIORATING CENTRAL NERVOUS SYSTEM AND EYE DAMAGE**
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Tim-Tak Lam, Skokie, both of Ill.
- [73] Assignee: **Board of Trustees of the University of Illinois**, Urbana, Ill.
- [21] Appl. No.: **330,194**
- [22] Filed: **Oct. 27, 1994**
- [51] Int. Cl.⁶ **A61K 31/00**
- [52] U.S. Cl. **424/422; 424/427; 514/912; 514/913; 514/914; 514/915; 514/929**
- [58] **Field of Search** **424/59, 60, 78.04, 424/427; 128/645; 514/912, 913, 914, 915, 929; 568/378**

[56]

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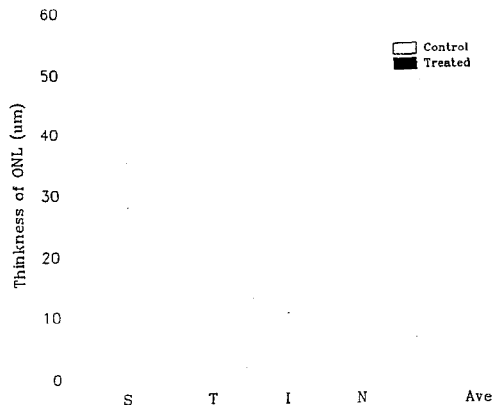
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[57]

ABSTRACT

A method of retarding and ameliorating eye diseases and injuries is disclosed. The method comprises administering astaxanthin in a therapeutically-effective amount to prevent, retard or treat eye and central nervous system diseases or injuries, such as age-related macular degeneration and other central nervous system degenerative diseases, photic injury, ischemic diseases, and inflammatory diseases.

27 Claims, 4 Drawing Sheets



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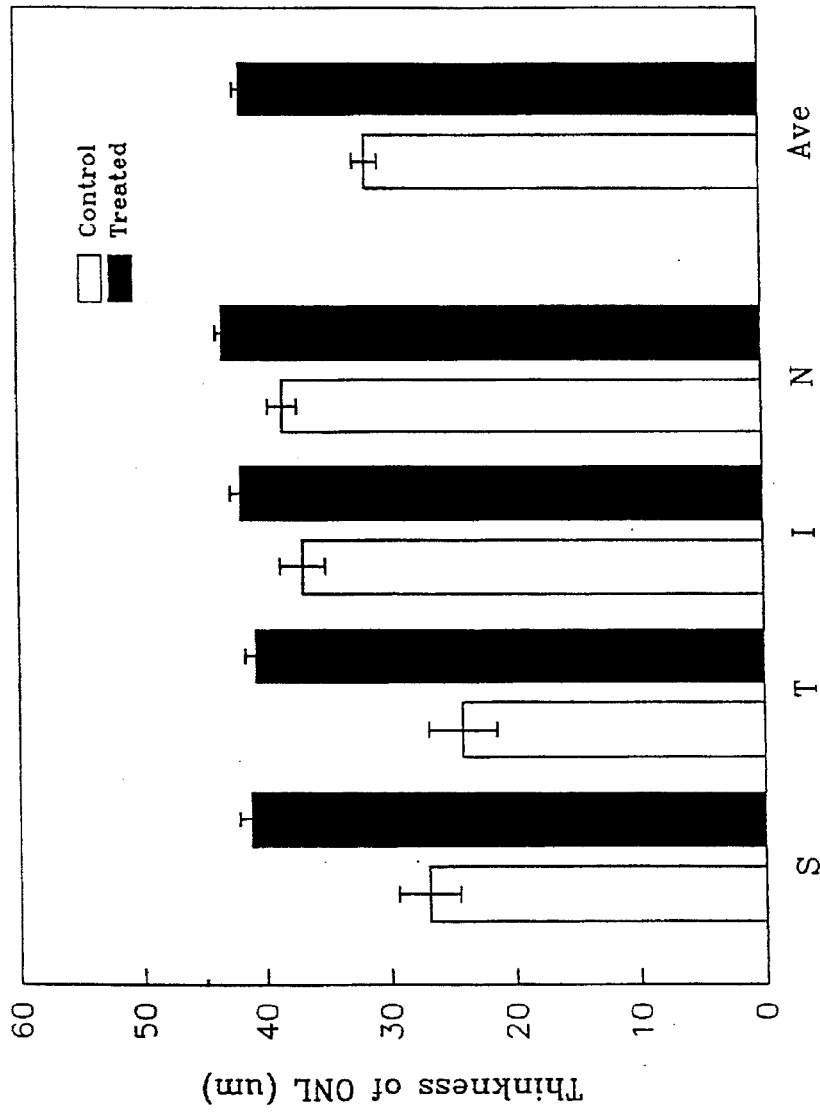


FIG. 1

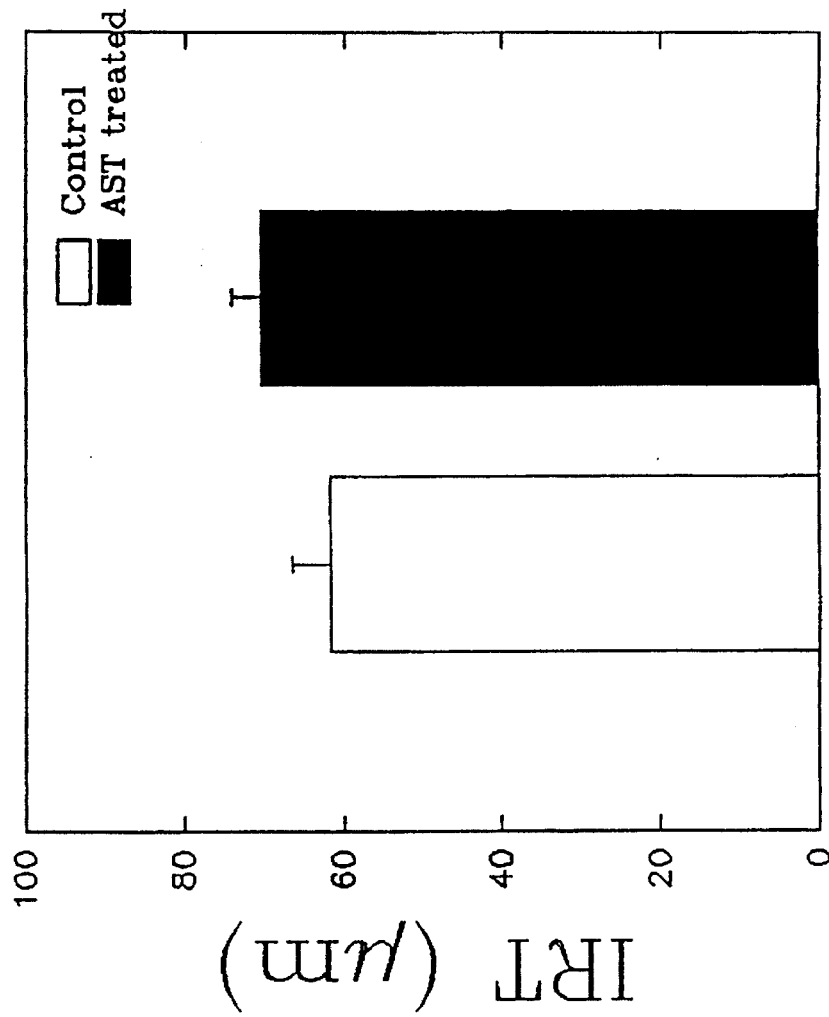


FIG. 2

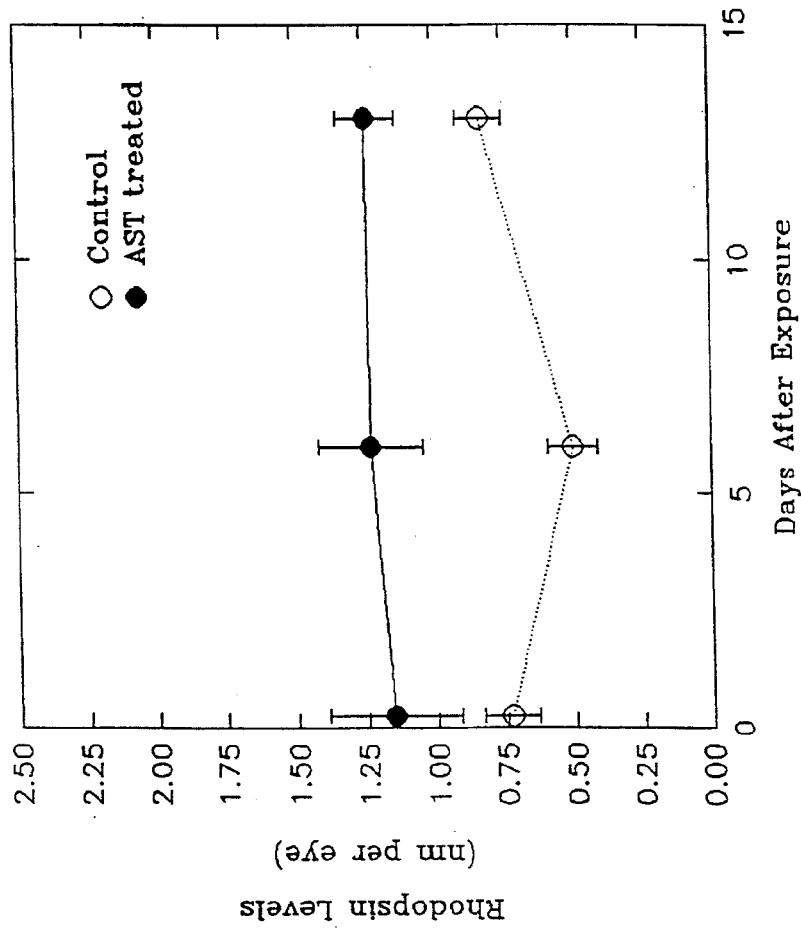


FIG. 3

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