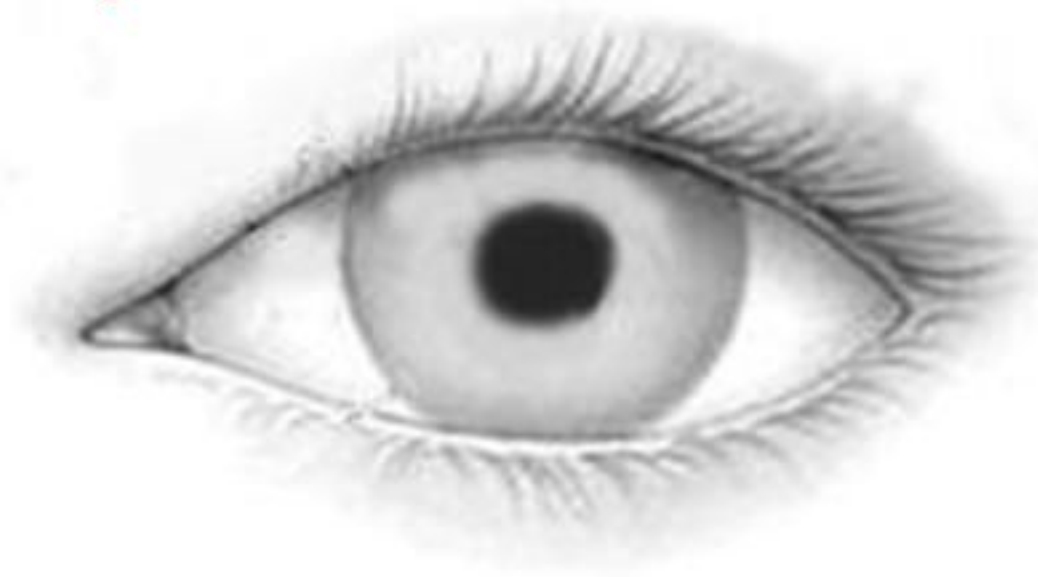


1. Cholinergic receptors:

Muscarinic receptors are present in the **circular muscle** of the iris and in the **ciliary muscle**



Stimulation of muscarinic receptors produces:

Myosis and

Contraction of the ciliary muscle *so that*
the eye is accommodated for near vision
and IOP is decreased.

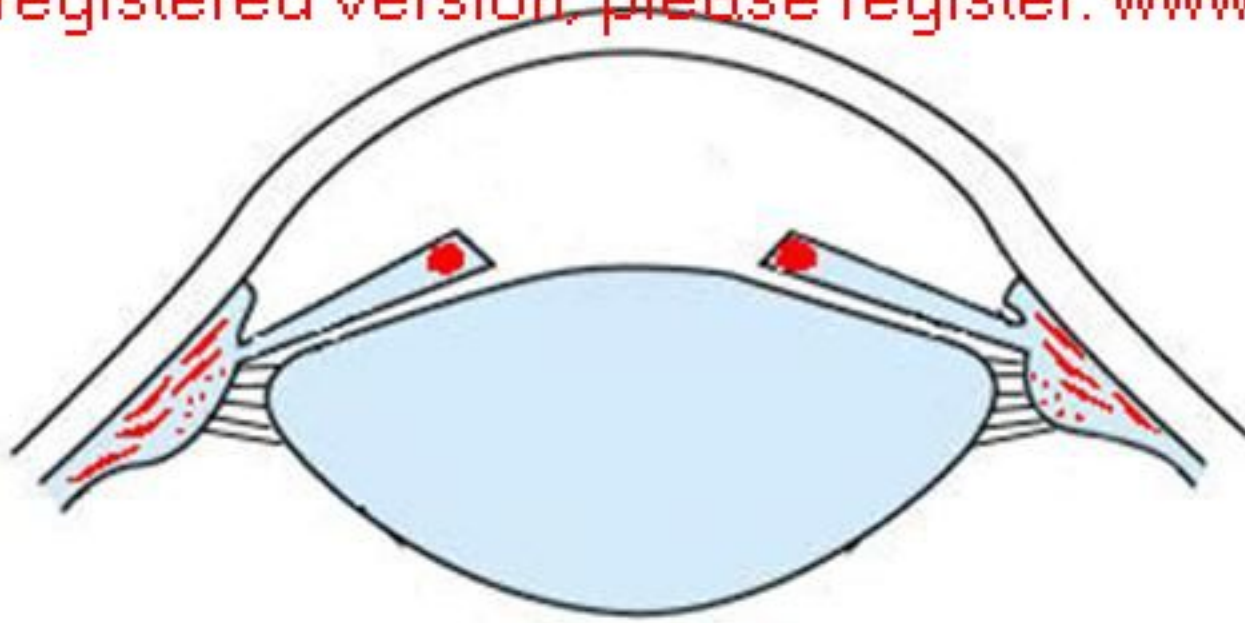
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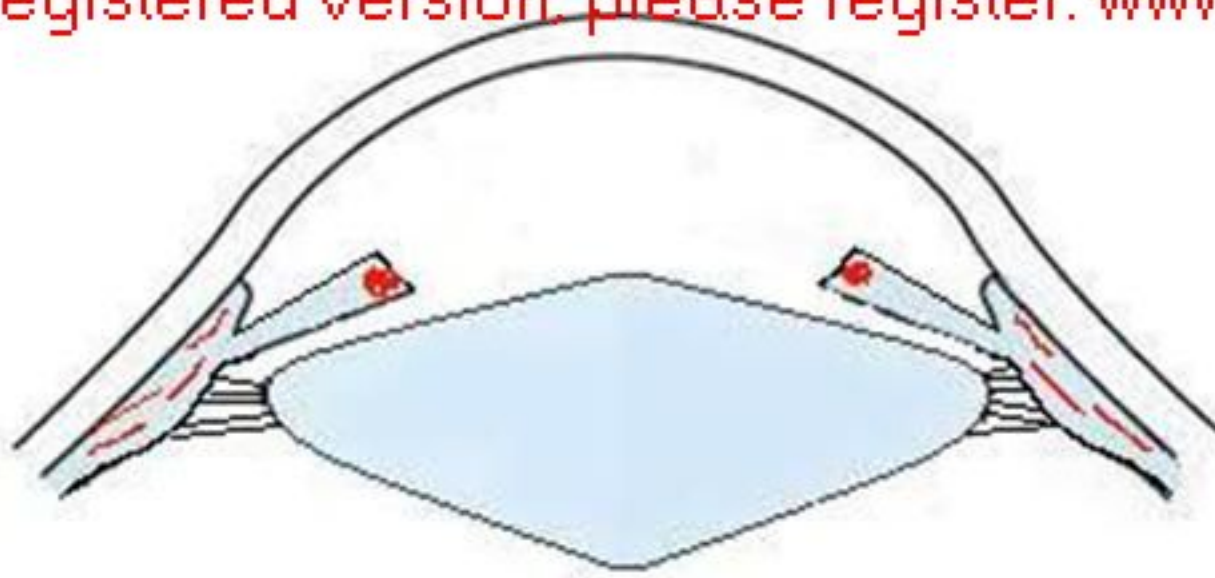
- ***Accommodation for near vision***
(Far vision is blurred)



Muscarinic Receptor

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Anti-muscarinic drugs produces:

Mydriasis and

Paralysis of ciliary muscle so that the eye is accommodated for **far** vision

and increased IOP..... and
light reflex will be lost

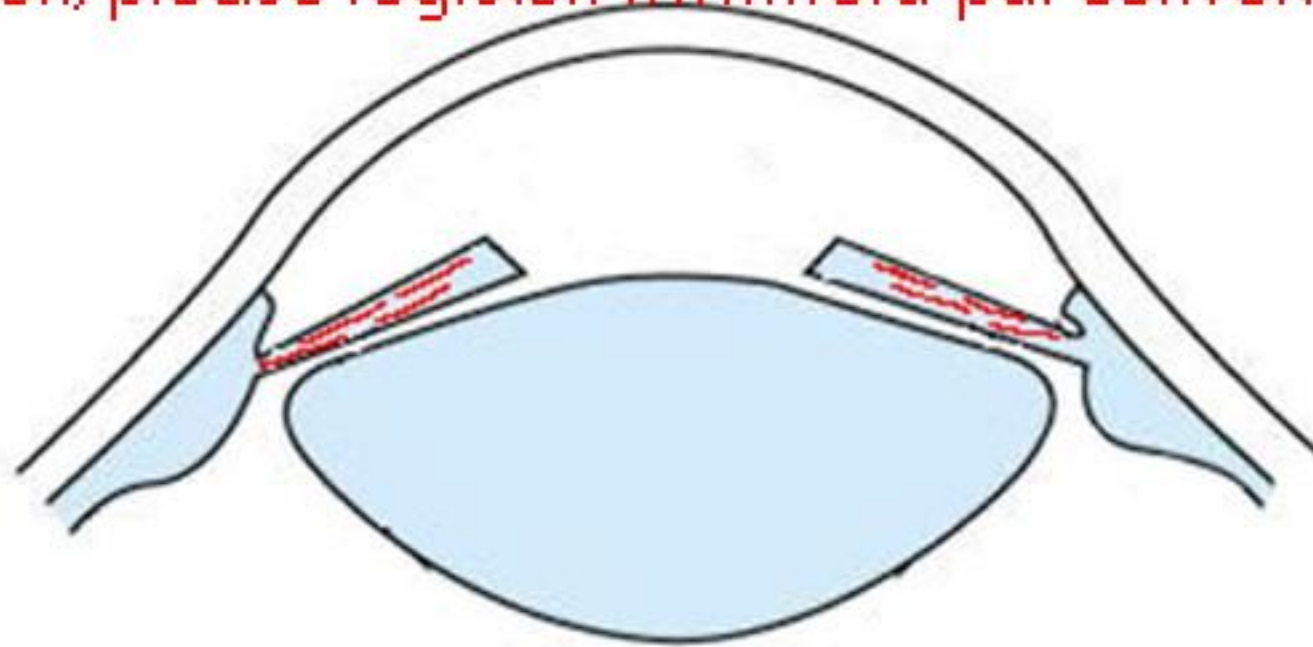
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- *Accommodation for far vision
(near vision is blurred)*



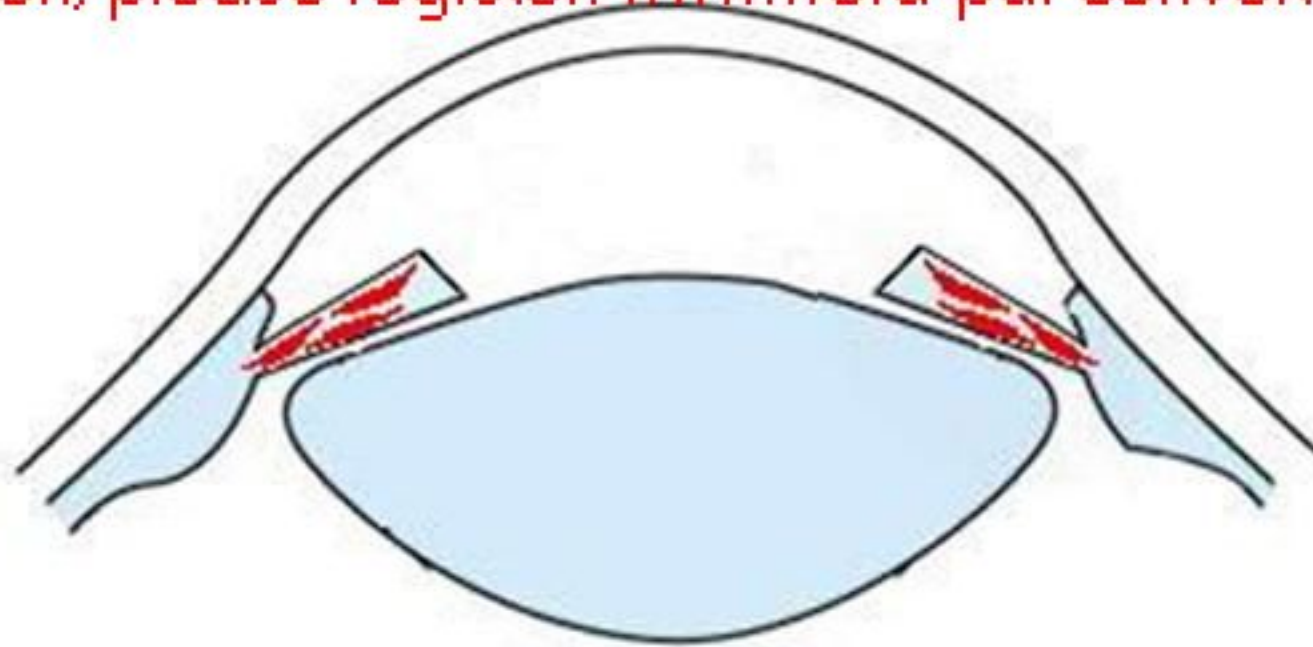
Alpha receptors

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2. Adrenergic receptors:

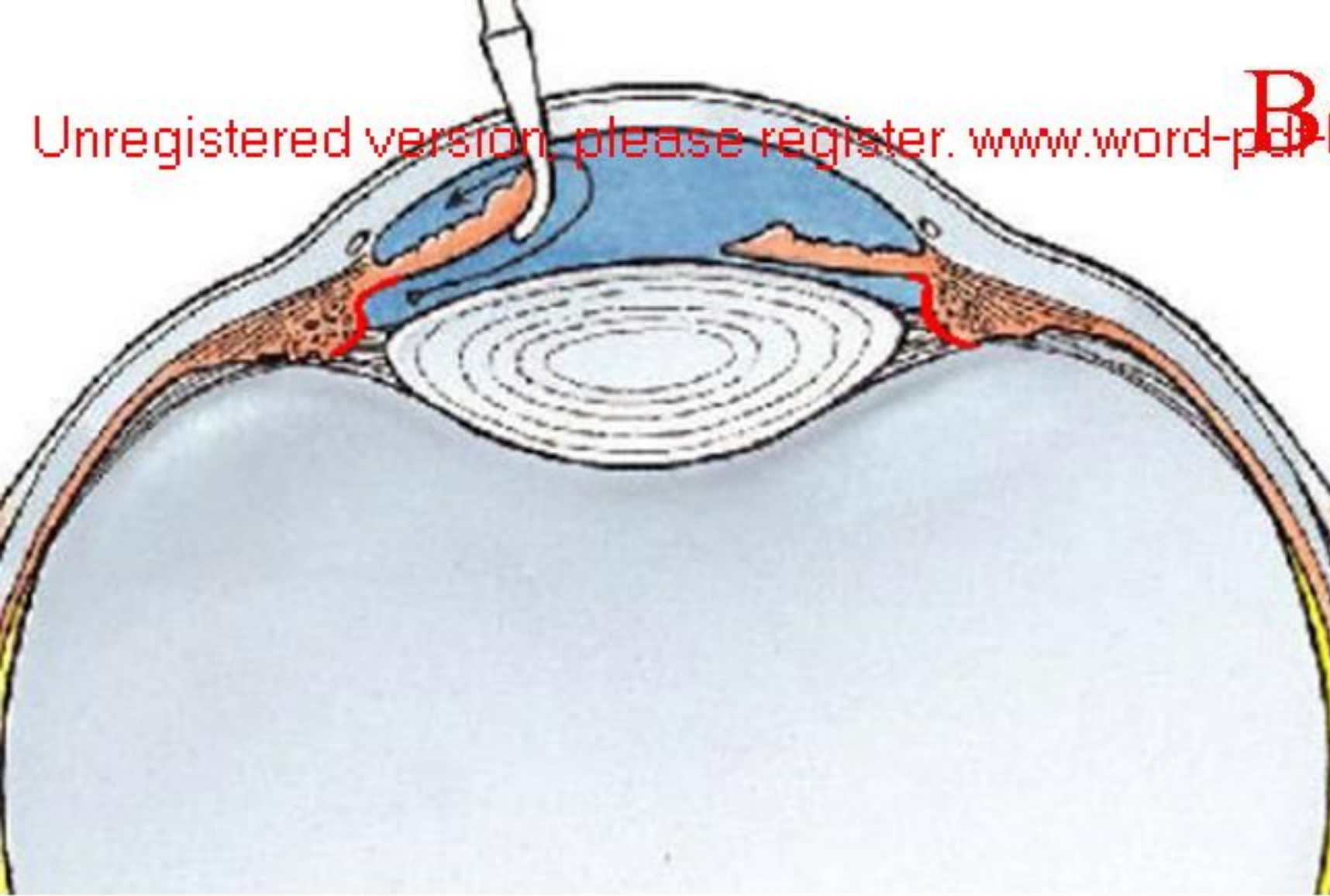
Alpha 1 receptors are present in the **radial muscles** of the iris



Stimulation of Alpha receptors produces:

Mydriasis

no change in accommodation

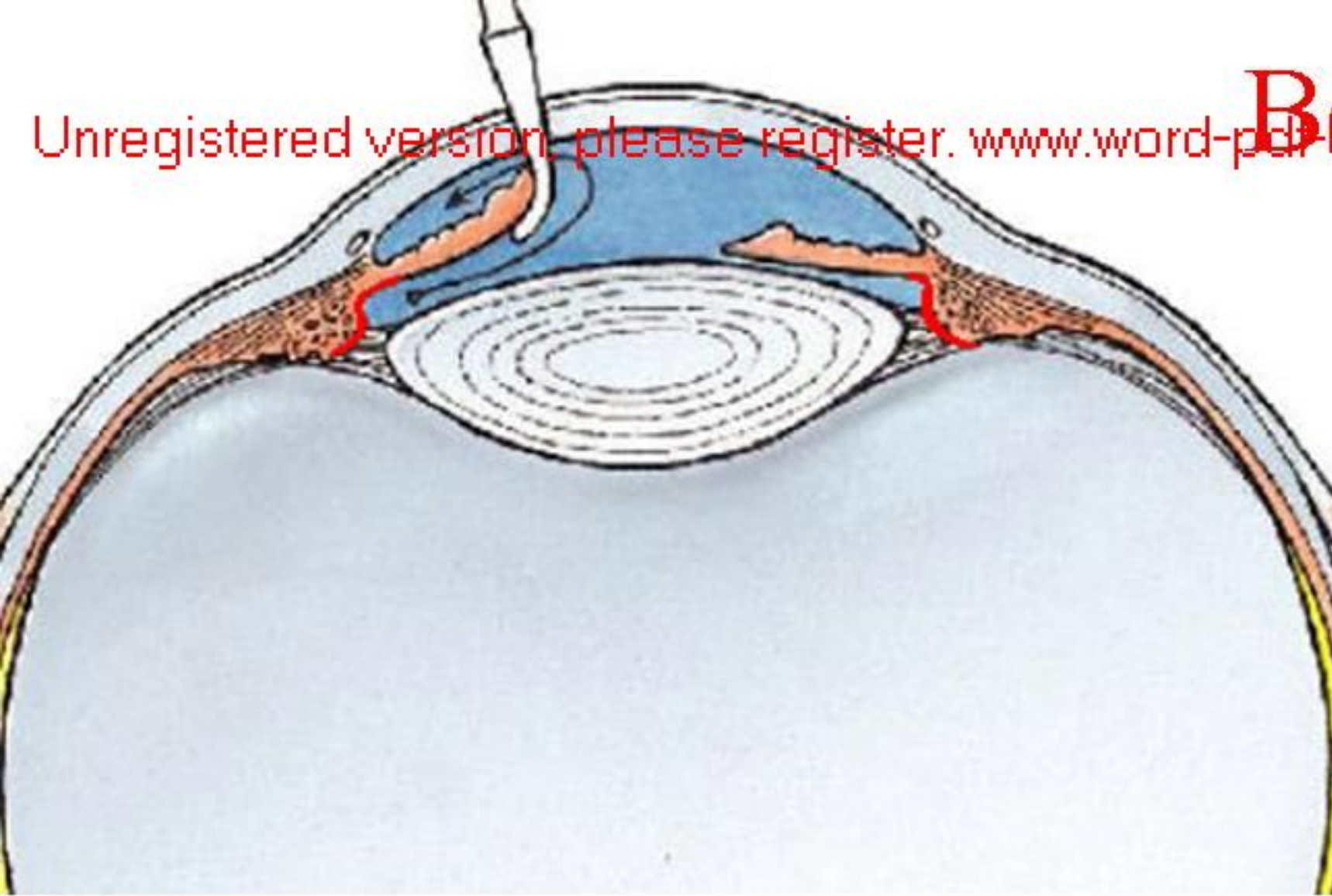


2. Adrenergic receptors:

Beta 2 receptors are present on the ciliary epithelium

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Beta receptors



Beta 2 blocking agents reduce the production of aqueous humor and decrease IOP.