

2nd, If the brain functions are simply what might be called in a state of irritation, the pupils are contracted generally, firmly—as in anaemia, certain degrees of brain pressure, or early stages of cerebritis.

Any of these latter factors increased to a great degree would cause mydriasis, as one may readily see; for example, in cases of repeated hemorrhage, which are finally pushed to syncope, or, again, in gradually increasing intracranial pressure from tumors.

The opposite to the foregoing holds for lesions of the spinal cord, for here irritation causes mydriasis, and destruction causes myosis.

If one-half of the cerebrum is affected by a cortical or superficial lesion, the pupil of the corresponding side is either dilated or contracted according as the function of the hemisphere is suspended or merely in a stage of irritation.

There are many other points I would like to touch on, but time forbids, and I must reserve a little space for the closing part of my paper.

We have, so far, considered the eye symptoms as secondary to, or concomitant with, lesions elsewhere; let us now for a very few minutes glance at the cases in which the eye lesion is primary. These are comparatively few.

Syphilis comes first. Here we may have the initial hard chancre on the eyelid; several cases of such have been reported, arising from a kiss, there being an open syphilitic sore on the lips of the one person and a slight crack or abrasion on the lid of the other. In Southern Russia quite a number of cases of hard chancre of the conjunctiva have occurred, originating in a peculiar way. It is there thought that passing the tongue's tip in between the eyelid and the globe is a cure for inflammations of the eye; the rest is self-evident. A syphilitic sore on the tongue and a slight abrasion of the conjunctival epithelium did the mischief.

Quite a number of cases have now been reported where purulent ophthalmia has been followed by inflammation of the joints.

As I noted early in this paper, diphtheritic conjunctivitis may precede the throat symptoms.