

Re: Eye Input Signal Testbed

Source: <http://sci.tech-archive.net/Archive/sci.physics/2004-06/4324.html>

From: Coreleus Corneleus (coreleus3_at_yahoo.com)

Date: 06/13/04

Date: 13 Jun 2004 09:15:45 -0700

eagleson2004123@yahoo.com wrote in message
news:<43d9f575.0406120922.3da5ea08@posting.google.com>...

> *Eye Input Signal Testbed*

> *Brain implants are discounted because the natural sight is via the
> optic nerve. An optic nerve implant is required or the difficulty
> becomes insurmountable theoretically.*

>

> *Some attempts are to replace the [retina] only. And they seek to
> connect directly to the rods. And the image will be a single rods.
> Making the detail of connection the success.*

> ...

Direct stimulation of the retina by electrical contact or light output might work. It might also cause what is left of the retina to degrade. Providing a stimulation without interfering with the nerve connection pathways underneath might be a problem. Microsurgery, and a mapping of the fibers on the optic nerve, might be the best way to go. Remember, if you cut a nerve fiber, there may be some difficulties in getting it to grow back from whatever is the still living part of that nerve cell.

In theory, it might be that /partially sensate retina/, /no effective retina but optic nerve/, and /no optic nerve/ might be handled in different ways. For the /no optic nerve/ category, perhaps an electrical grid patch could be fitted over the occipital lobe without any direct entries being made into the occipital lobe itself? Conductance and distortion of the signal from the cerebrospinal fluid might be a problem. Maybe the best of non-allergenic or degenerative implant materials might get rid of the contact or nerve connection problem.

The problem might still have to be solved for the /no effective retina but optic nerve/ category, and would probably be subject that would be more directly reserached as a vital phenomenon in the field of /spinal injury paralysis/.

<What are all of the various differences between the following symbols?> : <>[]().,√|I?""{}=+-_&*^%\$#@!^~;:

Can a period be case sensitive?

> *Douglas Eagleson*

> *Gaithersburg, MD USA*