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Lazy Eye News is the bi-annual newsletter for the **Ohio Amblyope Registry (OAR)**. It is designed to highlight the services and resources available through the OAR and bring you the latest news in Amblyopia research and treatment.

The **Ohio Amblyope Registry** is funded by the Ohio Department of Health Bureau of Child and Family Services' Save Our Site Fund, which receives support from a donation opportunity on Ohio license plate renewal forms.

Ohio Amblyope Registry
www.OhioAmblyopeRegistry.com
**YOU CAN NOW REGISTER FOR FREE
EYE PATCHES ON OUR WEBSITE!**

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Treatment Today and Into the Future

Cara Frasco, OD, MS, FAAO

Today many children with amblyopia (commonly known as lazy eye) can successfully be treated with fewer hours of eye patching per day and for a shorter time period.

A study of over 400 children found that after 2 months of patching most children had better vision. Their vision improved regardless if they did near activities such as coloring or distance activities like watching television, when wearing the eye patch. The most important factor is being consistent with wearing the patch for the prescribed number of hours every day.

Recently, several studies are trying to incorporate technology in the treatment of amblyopia to help children with a lazy eye improve their vision. In fact, a current study in the United Kingdom is investigating the I-BiT™ virtual reality system. This technology involves playing a computer game or watching a DVD displayed through virtual reality glasses. The lazy eye (weak eye) is shown the more interesting part of the game or DVD, while the good eye is shown the background. A small test study showed this technology worked very well for children who would not wear an eye patch but requires weekly trips to the doctor for treatment sessions. This large study testing the I-BiT™ system is currently underway and should be complete in late 2013.

Another new potential treatment for amblyopia could reside in the Amblyz electronic eyeglasses. These glasses use liquid crystal lenses to briefly block the vision in the good eye for fractions of a second. It is reported that the child has minimal awareness of this quick effect. These glasses can be made with prescriptive lenses for children that need to wear glasses as part of their treatment. The child

would wear the Amblyz glasses all day and recharge them at night. As with most new technology this will likely be costly at first but may offer another



treatment option in the future. These glasses are not yet available in the US.

Wearing virtual reality glasses, using game applications on an Apple iPod touch or playing action video games may be recommended by your eye doctor in the near future. Incorporating technology into the prescribed treatment plan will likely be a great motivator for the youngest and most active patients. Remember that amblyopia is a preventable form of blindness. Patching, wearing glasses, using eye drops or visual activities could be prescribed to improve vision. Develop a partnership with your child and his eye doctor to ensure the most successful visual outcome.

Adhesive Patching Tips For Sensitive Skin

- Apply a thin coat of either Mylanta® or milk of magnesia around the eye, where the patch will be. Let dry and then put the patch on.
- About 15 minutes before removing the eye patch, coat the outside of the patch with Aquaphor®, Vaseline® or baby oil to loosen the adhesive a bit. Only apply on edges of patch, not in the center.
- Apply a vitamin E based cream at night to help with any residual irritation around the eye. Only apply to external (outside) skin around eye where the adhesive patch sticks.

These tips have been provided to us by doctors, patch manufacturers and parents. All adhesive patches provided by the Ohio Amblyope Registry are hypoallergenic and latex free.

Lazy Eye News

Helping lazy eyes become healthy eyes.



JUST FOR FUN!

Find The Hidden Words

- | | |
|------------------|-------------------|
| ACUITY | KIDS |
| AMBLYOPIA | NEWSLETTER |
| BUCKEYE | PATCH |
| DOCTOR | PIRATE |
| DONATE | REGISTRY |
| EYES | SAFETY |
| FUN | SCHOOL |
| GLASSES | SIGHT |
| GOGGLES | VISION |
| HERO | WINTER |

G	S	A	H	B	D	E	E	Y	W	Y	A
T	O	E	I	O	S	S	S	T	I	R	M
H	R	G	C	P	E	E	D	E	N	T	N
O	C	T	G	K	O	S	I	F	T	S	A
F	O	T	C	L	E	Y	K	A	E	I	C
R	U	U	A	V	E	T	L	S	R	G	U
B	B	N	I	P	I	S	A	B	A	E	I
G	L	A	S	S	E	S	I	R	M	R	T
E	T	A	N	O	D	Y	A	G	O	A	Y
G	N	I	R	P	S	B	I	H	N	P	K
V	K	S	C	H	S	O	L	V	N	T	K
R	E	T	T	E	L	S	W	E	N	R	N



TOP 10

TOP 10 OPHTHALMOLOGISTS

- Dr. Robert Bloom Dayton, OH
- Dr. Michael Bloom Dayton, OH
- Dr. Richard Golden Columbus, OH
- Dr. Nancy Hanna Akron, OH
- Dr. Michael Yang Cincinnati, OH
- Dr. Paul Rychwalski Cleveland, OH
- Dr. David Rogers Columbus, OH
- Dr. Julie Lange Columbus, OH
- Dr. Cate Jordan Columbus, OH
- Dr. Faruk Orge Cleveland, OH

TOP 10 OPTOMETRISTS

- Dr. Nahrain Shasteen Toledo, OH
- Dr. Clair Schmidt Toledo, OH
- Dr. Sarah Lopper Cincinnati, OH
- Dr. Sara Schoeck Westlake, OH
- Dr. Cara Frasco Springboro, OH
- Dr. Amy Keller Canal Winchester, OH
- Dr. Daniele Saltarelli Cincinnati, OH
- Dr. Alison Bollinger Akron, OH
- Dr. Jon Mesarch Logan, OH
- Dr. Heath Gilbert Kettering, OH