ew Implant Improves rtificial Eyes

By Deborah Simpkins e University News Service recently, when people lost they received a plastic with an artificial eye-shell, ere often not happy with the ic result caused by a lack of ovenent. After three years of rch, two ophthalmologists found that a "coral" implant is effective in creating normal vements for an artificial eye ss likely to be rejected by the

Federal Food and Drug nistration recently approved a like implant, known as uyapatite, for general use sudies performed at Duke usity Eye Center by Jonathan M.D., Ph.D., an oculospecialist, and at several centers. The research was ed in cooperation with his athur Perry, M.D., in

e beauty of this implant is it es part of the normal tissue, 't get infected and it becomes to the surrounding said Dutton, who has used inplant on approximately 45 into So far only about 200 als in the country have wed the implant because many halmologists have not yet ed the special techniques

an eye must be removed e of disease (such as endglaucoma), cancer or eye elids to sink in and the orbit owly shrink, reducing the An implant is necessary to e that lost volume.

fraditionally, a plastic and gionally a glass or a hollow ball have been used, but they erode tissue, displace to one down or out even to the point shing the artificial eye out

The biggest complaint from is that they have problems the movement of the artificial Dutton said, adding that ous attempts to correct all the ems associated with these type ants have proved ineffective. oral, however, is not prone to

problems. "Hydroxyapatite is of calcium carbonate, which the inorganic chemical nework of bone," he said. refore, it is not treated like a ign substance by the body. suse it has pores, blood vessels sue are able to grow into it, we are able to connect the smuscles to it.

Dutton uses donor sclera, the white tissue found on the outside of an eye ball, to cover the hydroxyapatite - much like one wraps a baseball with leather. He then creates "windows," or holes, to allow blood vessels access to the coral's pores. The hydroxyapatite is implanted into the orbit, and the muscles are sewn directly onto the sclera covering.

The patient wears an artificial eye while the conjunctiva, the membrane that covers sclera, heals and blood vessels grow into the implant. After six months the body, through its blood vessels and tissue, has accepted the implant as its own. (A bone scan confirms that the implant has a complete and

functioning blood supply.)

Although the implant is effectively in place at this point, Dutton takes the reconstruction one step further. He drills a small hole in the front center of the implant and places a peg there. Then an ocularist (one who makes artificial eyes) makes a matching depression to fit the peg. He incorporates that depression in a custom-built artificial eye that, when inserted, will move as the implant moves and because the implant was successfully attached to the muscles, the artificial eye's movement will be coordinated with the movement of the natural eye.

The ocularist takes great care in his handiwork. He hand paints each artificial eye and uses red silk threads to simulate blood vessels in

the sclera.

"When the procedure is finished, the patient will have an artificial eye that looks and moves almost exactly like the natural eye, Dutton said.

Before the FDA approved hydroxyapatite for use in the eye, it had been approved only for use in jaw reconstruction.

THE HOMEGAME BY VIRGINIA TRUAX

ONE LAST FLING — On your last cookout of the season, why not grill an extra steak to be frozen and reheated later in the microwave. For one frozen steak, reheat five minutes at 30 percent power (or defrost on some models), then 50 percent (medium) for five more

OUT OF GAS — Make your home-baked beans less gassy by adding two tablespoons of baking soda to the presoak water.



OGDEN, ARK. - Floodwaters from the Red River poured through and over levees forcing the evacuation of residents in

Southwest Arkansas. Millions of dollars in damage have been reported. (UPI Photo)

Rural Obstetrical Care Incentive Program Funding Urged By Family Physicians

The North Carolina Academy of Family Physicians held its 42nd Annual Scientific Assembly in Greensboro April 25-29, and legislative issues were given high

The major legislative objective of the Academy during 1989 was the continued funding of the Rural Obstetrical Care Incentive Program (ROCI), which would provide state monies to assist in payment of malpractice liability premiums for doctors providing obstetrical care in obstetrically underserved areas

in North Carolina. In 1989, 51 physicians and 28 counties benefited from state ROCI allocations. That allocation was responsible for stalemating the exodus of doctors practicing

obstetrics in several counties.

During 1989 and 1990, two hundred forty thousand dollars

have been appropriated annually for the Rural Obstetrical Incentive Program. Fifty-six physicians and counties are targeted for assistance in providing obstetrical services in underserved areas of our state. The Academy has, since 1988, sought ROCI funds for 1.5

Ask Dr. Epstein "All About

Dear Dr. Epstein: I am a mother of three young children, and my oldest daughter is in the fourth

Adolescents"

grade.

Her elementary school has a police officer come out periodically to talk to the children about substance abuse and crime. Because of these visits she has decided to lead a drug free life. She has written a short poem I would like to share with your readers. Mrs. S.

Drugs Are Not For Me

I want to think smart, feel smart, healthy and free and that's why drugs are not for me.

I vent to play safe, stay safe, naturally and that's why drugs are not for me.

When I say no to drugs, I'm saying yes to me, and that's the only thing I can do, you see.

My heart is sure and my mind agrees and that's why drugs are not for me. Say no to drugs!!... Sebrina, Age 9

Dear Mrs. S.: Thank you for sharing your daughter's special poem. It is truly heartwarming to see such a positive response to the drug problem from such a young child. Also, it is encouraging to know that children as young as your daughter are giving thought to the dangers of substance abuse.

As your daughter pointed out in her poem, by saying no to drugs, children are saying yes to themselves.

Dear Dr. Epstein: I am 16 years old and I have a problem with my boyfriend who is 17.

I am not ashamed to admit that I am not sexually active, however, my boyfriend has been putting pres-

I like him alot, but I am not ready to make that kind of commitment. I also don't want to lose him because he is so special to me. You see we have been dating for

eight months now.

How can I let him know how much I care for him without doing something so drastic? Confused

Dear Confused: The problem you write about occurs frequently with teenagers.

At this point, you should place your trust in the relationship. Go to your boyfriend and tell him that you need to talk. Explain to him in a friendly, but direct, manner that you care about him, but also that you care about the future of your relationship. In addition, tell him that you are certain that he cares deeply for you and that you know he would never do anything to deliberately hurt you. Explain that you are feeling pressured to become involved sexually. Tell him that you feel the two of you need to slow down and let the relationship develop more fully before you make a commitment.

commitment You will know when you are ready to become sexually involved because it will seem natural and comfortable. If you were to give in to your boyfriend's pressure, you would begin to resent him and feel angry. Resentinent and anger will not lead to a relationship with a positive future.

Bruce A. Epstein
Dr. Epstein has practiced pediatric medicine in St.
Petersburg, Fiorida, since 1972. Dr. Epstein serves on
the Board of Directors of STRAIGHT, Inc., a national
adolescent drug treatment program with National Corporate offices in St. Petersburg, Fiorida. STRAIGHT
maintains the nationwide 24-hour hotline, 1-800-9-FRIEND.
Vol. can write Dr. Epstein at 2001. Goods Poulowed You can write Dr. Epstein at 3001 Gandy Boulevard, St. Petersburg, FL 33702. ©1989.





million dollars annually to supplement liability insurance premiums for doctors serving in

eligible and obstetrically deficit

counties.
The North Carolina Academy of

Family Physicians has repeatedly

proclaimed strong support for the ROCI Program as the best means to provide more perinatal ca. to

expectant mothers and, in turn,

retard the severe infant mortality rate in North Carolina which is

12.7 deaths per 100 live births and

represents the highest rate in the

The Rural Obstetrical Care

Incentive Program is a start in the

right direction to increase perinatal

care and decrease fetal mortalit and the North Carolina Academy of

Family Physicians expresse

continued strong support for ROCI

United States



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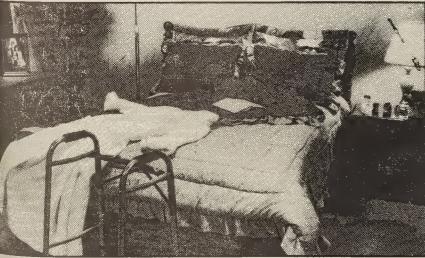
Head Lice: Prevention and Treatment

Head lice are tiny parasites about the size of small ants. Lice have claws on each legithat allows them to cling to the sk in and suck small amounts of blood from humans. Infestations of head lice are common among elementaryage school children. Head lice bites often produce rediness, itch ing, and scratching for up to 24 hours after bites occur. bites may result in cruisting and oozing from the scalp and along the hair line.

Prescription and nonprescription medicines are available to help get rid of head lice. Prescription medicines include shampcoos and cream rinses that are applied to the scalp for a few minutes and then rinsed away. Nonprescription shampoos should be applied a second time, 7 to 10 days after the first application. Some of the shampoo products come with a hair comb for removing lice eggs (nits) that may remain after shampooin, g.

Prevent head lice infestations by washing infected family member's clothes in hot water and drying clothes in a hot dryer for at least: 20 minutes. Vacuum areas such as the backs of chairs and head rests that may come in contact with in fected persons. Disinfect combs and ha ir brushes and periodically check children's hair for lice or eggs.

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