

210 South Prince Street, Lancaster PA 17602 • Phone: (717) 358-2017 • Fax: (717) 393-1017

Did you know about bionic technology advances to help patients?

FDA Approves Telescopic Bionic Eye Implant

The FDA has approved a telescopic eye implant that can help the visually impaired. The procedure involves removing the lens of the eye completely and replacing it with the now FDA-approved implant, which is capable of magnifying things by 2.2-2.7 times. Created by Vision Care Ophthalmic Technologies, the telescope projects images in your field of view onto healthy areas of your central retina outside of any degenerated macula. The FDA also said the patients will need to undergo rehab to get used to using their new bionic eye in tandem with their untreated eye. There's also the possibility that because of the size of the device, patients may need a corneal transplant. Clinical trials involving 219 patients resulted in vision improvement (for 75 percent of the patients.)

Bionic Muscle

A new Bionic muscle is 100 times stronger than yours. These muscles are made of an elastic metal called "shape memory wire" and are chemically powered with alcohol. Scientists at the University of Texas at Dallas have developed these "artificial muscles" with funding from the military. These artificial muscles could serve multiple uses: for prosthetic limbs for the handicapped, they could also power everything from artificial hearts, to super-muscles for astronauts or soldiers, and even self-sufficient robotic androids.

Limb-to-Brain Communication

Robotic limbs have limited motions and the user can't feel what he or she is "touching." A new approach using optical fibers implanted around nerves can transmit more data and let prosthetics speak to the brain. Scientists have discovered that they could stimulate a neuron to send a message by shining infrared light on it. DARPA, the Pentagon's R&D branch, awarded \$4million to a project led by Southern Methodist University engineers to attempt to connect nerves to artificial limb using fiber optics.

Sensitive Synthetic Skin

Two research teams working independently (one from Stanford and one from UC Berkeley) have created prototypes of artificial human skin that are extremely sensitive. Both techniques use a thin rubber surface with an electronic substrate that can measure changes in electrical properties that result from pressure: skin sensitive enough to feel the tickle of a fly feet.

Computer-Brain Interfaces (BCIs)

Partially invasive BCI's are devices implanted inside the skull but rest outside the brain rather than within the grey matter.

PHYSICAL THERAPY

For appointments, stop by the clinic front desk or call 717-358-2017. Appointments are available from 1:00 to 4:00 pm every Wednesday.

WSHS medical clinic accepts all uninsured, no income and under 250% poverty income level patients. For questions, call 717-358-2017 during clinic hours of operation.

WSHS Dental Clinic has hired a full time dentist! Dr. Ross Norian began seeing patients in mid-May. We will continue to serve our patients with volunteer providers as well. Please contact the clinic to register and make an appointment.

PRESCRIPTION REFILL INSTRUCTIONS & MEDICINE PICK-UP

With at least 48 hours in advance, please bring your medicine bottles to WSHS during clinic hours of operation or call (717) 358-2012.

Now the Spirit explicitly says that in the latter times some will depart from the faith, paying attention to deceitful spirits and the teachings of demons, through the hypocrisy of liars whose consciences are seared.
~ 1st Timothy 4:1-2

ORGANIZATIONS & EDUCATORS THAT PARTNER WITH THE CLINIC

NAAMAN CENTER: Provides individual counseling, Outpatient Treatment & group sessions for WSM guests on Wednesdays & Thursdays 12-7pm.

For admissions call: 844-888-8085

DIABETES CLASS: Jean Langenbach, RN meets every 2nd & 4th Tuesday of the month in the afternoon from 3:30-4:30pm.

For admissions call the clinic nurse line 717-358-2016

MENTAL HEALTH COUNSELING

Individual counseling is available for WSM guests Monday through Friday. Contact the Access Center to Schedule an appointment.

CLINIC WILL BE CLOSED THE FOLLOWING DAYS

Monday evening July 3rd & July 10 – 4:30-8:00pm
Tuesday July 4th Independence Day & Thursday July 20 – Staff off-site day
Fridays, Saturdays & Sundays

CLINIC HOURS OF OPERATION

New Donation Hours for 2023

Monday & Wednesday 9AM—12PM
Thursday 1PM—4PM

Water Street Health Services does not accept expired, opened, or damaged donated items.

Day	Medical	Dental	Registration
Mon	9AM—12PM	9AM—4PM	CLOSED
Tues	CLOSED	9AM—2PM	9AM—12PM 1PM—4PM
Wed	9AM—12PM	9AM—4PM	CLOSED
Thursday	2PM—5PM	9AM—3PM	9AM—12PM

CLINIC CLOSED ON HOLIDAYS

New Year's Day
Martin Luther King Jr.
Memorial Day
Juneteenth
Independence Day July 4th
Labor Day
Thanksgiving Day
Christmas Day