Beaumont issues annual deer hunting alert

Deer hunters, bewaret Nearly a million hunters will take to the woods and fields as the rifle season for deer hunting opens in Michigan. The excitement of spotting a deer, combined with strenuous activity and heart disease risk factors, could place hunters at risk of having a heart

conducted the first study of its kind to determine whether dee hunters are at elevated risk for

heart attack. To test the hypotheses, researchers sent 25 deer hunters into the woods equipped with heart rate moni-tors. Results determined that just sighting a deer can cause a hunter's heart rate to soar to be neark heart tot soart tot

strenuous activity and heart-disease risk factors, could place the peak heart rate achieved hunters at risk of having a heart ' during cardiac attress testing. attack. William Reaumont Hospital kund to determine whether during total-hunters would almost double upon seeing a buck deer, even hunters are at elevated risk for iy still, 'said exercise physiologist

and researcher Susan Haspanieni of Boaumont's Cardiac Rehabilitation program. Shooting gutting and drag-ging a deer pushed hunters' heart rates well above the maxi-num, she said. the 25 hunters' who participated in the study had heart rates equal to or higher than 85 percent of their maximum heart rate while merely walking to their blind. "Exceeding the maximum

heart rate for a sustained peri-od of time places a hunter with hidden or known heart disease at high risk for heart attack. The hunters were often unaware of what was happen-ing with their hearts during these activities." Cold weather, bully hunting equipment, ruggel terrain and a hunter's personal lifestyle (smok-ing, drinking, fitness level) are other factors that may accentu-ate the cardiac risks of hunting.

Haapaniemi stopped short of recommending that hunters with a history of heart disease avoid deer hunting altogether, but she did recommend source high choles

Haapaniemi stopped short of recommending that hunners with a history of facart disease, avoid deer hunting altogether, but she did recommend some disease and the state of the

Researchers find red flag for lethal prostate cancer die. This suggests that EZH2 could play an important role in the progression of prostate can-cer.

High levels of activity in a gene called EZH2 could be a warning sign of metastatic prostate cancer, according to scientists at the University of Michigan's Comprehensive Cancer Center. In an article published in the October issue of Nature, U-M scientist Dr. And M. Chinnaiyan and his research team used advanced DNA microarny technology to show that EZH2 expression was at 'the top of the list' of 53 genes found to be more active in metastatic prostate cancer than

Scho neuration to be more active in metastatic prostate cancer than in localized prostate cancer. This is the first study linking EZH2 to solid tumors,

EZH2 to solid tumors, Chinnaiyan wrote. When the EZH2 gene is active, the cell uses its coded instructions to produce EZH2 protein. U-M scientists believe a future diagnostic test for high

The second secon

levels of this protein could serve as a red flag for physi-cians and help save the lives of men with the most dangerous form of the disease. "We found the greatest EZH2 overexpression in metastatic prostate cancer tissue. At this point, its unclear whether the gene plays a role in cancer's development or is simply an indicator of lethal progression, axid Chinnaiyan, an assistant professor of pathology and urology in the U-M Medical School.

School. If additional research and human chinical trials confirm the U-M results, a test for E2H2 protein could, for the first time, allow physicians to identify accurately those men who need immediate, aggres-sive treatment to prevent the cancer from spreading outside the prostate. Once prostate

OTHER FINDINGS

Another intriguing finding reported in the Nature paper

cancer metastasizes (spreads to other organs), it is usually incurable. "Over the past 60 years, there has been no significant improvement in clinical out come for men diagnosed with the structure of the collision of the collision of the self of

Chinnaiyan and Rubin hope commutation and Rubin nope to discover exactly how the EZH2 gene regulates cell divi-sion and whether EZH2-target-ed RNA interference will have the same effect on cancer cells them to the cell's protein-pro-duction factory. In 2001, seientists discovered that short sequences of RNA could be used to shut down the activity of specific genes in mam-

the same effect on cancer cells in living animals. Rubin and Chinnaiyan emphasized it is unlikely there will be just one biomarker for prostate cancer. In previous research published in the April issue of the Journal of the American Medical Association, they described another protein called AMACR, which is over-expressed in several types of cancer. Used in combination with arccening tests for AMACR and other biomarkers, they believe a test for EZH2 of specific genes in mam-malian cells. We ordered RNA nucleotide specifically targeted for the EZH2 gene and tested them on two different prostate cancer cell lines. The first thing we noticed is the cells stopped growing. After 120 hours, 80-90 percent of the cultured cells containing the RNA nucleotides targeted for EZH2 had stopped dividing. When cells can't divide and grow, they

they believe a test for EZH2 could help physicians diagnose

cases of prostate cancer earlier

enses of prostate cancer earlier and determine the most effec-tive and least invasive treat-ment for each patient. Research on the genetic and molecular profile of prostate cancer is part of a major initia-tive under way in the U-MM Comprehensive Cancer Center. Its genetics and clinical outcome for all types of cancer. This research was supported by the National Cancer Institute, CarCURE and the U-M Prostate Specialized Program of Research Excellence, directed by Dr. Excendent and surgery in the U-M Medical School. The U-M M Redical School. The U-M has applied for a patent on prostate cancer gene expression profiles for future diagnostic and therapeutic use.

More flu shots available Clinics: Nov. 18, 10 a.m. - 2 p.m., Meijer, Westand Dec. 3, 10 a.m. - 2 p.m., Juschs, Farmington Hills Dec. 3, 9:30 a.m. - 4:30 p.m., MVN, 2850 S. Industrial, Ann Arbor^{*} Dec. 10, 9:30 a.m. - 4:30

This season, don't let the flu get you again – get immunized at one of Michigan Visiting Nurses' (MVN) fall immuniza-tion clinics in your local com-munity. This year, unlike last, more vaceine will be held Clinics will be held Nursenber through December

November through December and are open to the general public, 18 years and older. Flu shots for children 12 years and shots for children 12 years and older, who are accompanied by a parent or guardian, will also be available at select sites. Flu shots are \$17 each. MVN will bill for those with Medicare – Part B (who are not part of an nied by

are accompanied by a parent or guardian. Call MVN at (734) 677-0020 or check MVN's Web site (www.umwn.com) cach week for a complete list of aites near you. MVN, part of the University of Michigan Health System, is a non-profit organization that has served the community since 1909. HMO). In addition, businesses may contact MVN online at www.umv.com to schedule an on-site flu immunization clinic for their employees.

St. Mary Mercy offers massage

Stressed out? Tight neck and shoulder muscles? Take a break and head to St. Mary Mercy Hospital for a relaxing massage. Massage therapy is the manip-ulation of soft tissue for them-

peutic purposes. It can improve circulation, relax tense muscles,

peutic purposes. It can improve circulation, relax tense muscles, calm the nervous system and enhance body awareness. The hospital employs a staff of certified massage therapits with eredentials that exceed the state of Michigan require-ments," said Sarah Gilbert, founder of the Massage Therapy Program and current director of Cancer Services. Therapeutic massage at St. Mary Mercy includes such techniques as trigger point herapy, Swedish, deep tissue and reflexology. Prenatal mus-to-be to help reduce stress as well as prevent varicose veins, swelling in the limbs and to decrease blood pressure. Infant massage and couple's massage classes also are available.

On staff at St. Mary Mercy Hospital are Teresa Doherty and Charles Dougan. Doherty who is certified through Utah rtv. College of Massage Therapy, has special certification in pre-,

Ann Arbor ■ Dec. 10, 9:30 a.m. - 4:30 p.m., MVN, 2850 S. Industrial, Ann Arbor * Denotes clinics where flu shots will be available for chil-dren, 12 years and older, who are accompanied by a parent or varian

College of Massage Therapy, has special certification in pre-, peri- and post-natal massage therapy. Dougan is nationally certified 1 in massage and bodywork and has special interest in sports/ortho massage. The newest member of the massage therapy staff, he has worked with college, professional and Olympic athletes, as well in spas. He also works with people suffering from fibro-myalgia and chronic pain, as well as those recovering from injury. Massage Therapy is located in the Marian Women's Center. Fifteen, 30- and 60-minute massages are offered for a fee. St. Mary Merey Hospital is at 36476 Five Mile at Levan in Livonia. For information, call the Physical Medicine and Rehabilitation Department at (734) 655-2955.

(734) 655-2955

Arthritis Today JOSEPH J. WEISS, M.D. RHEUMATOLOGY 18829 Farmington Road Livonia, Michigan A8152 Phone: (248) 478-7860



ning the night. night crange is unclear. It is difficult for trained medical investigators to be at hand imples and perform munche and neve conduction studies when the attacks come is that these attacks are not the insult of the caldism, polaisation or sodown not seem to set off the cramps. Nor are they nailed to lension, anxiety or of night

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At 7:30 he was racing to the office.

At 7:45 he was being rushed into surgery.



The Botsford Emergency Department has an open door to the community, 24 hours a day, 7 days a week. We are prepared to deal with a medical emergency whenever one arises. While we focus immediate attention on the medical issue of the moment, we maintain sensitivity to the anxieties of family and friends. Whether it's a heart attack, broken bone or any other emergency, our specialized treatment considers the individual needs of each patient. Our board-certified emergency department physicians have access to a full range of specialists. Our Emergency Services are a blending of prompt care and personal care that has come to be recognized as Botsford Care. We hope you will never need us. But if you do, we are here.

It's not just what we do. It's how we do it. 28050 Grand River Avenue, Farmington Hills, MI 48336-5933, 248.471.8000

