TRINITY MIRROR



New method predicts condition of kidney disease

by researchers from over time. Aarhus University could the treatment of chronic better and more targeted treatment and reduce the need for frequent hospital

visits. Aarhus University have chronic kidney disease developed a new method to predict which patients

New method developed losing kidney function

The method is based on be a significant step in an analysis of acid-base balances in urine samples, kidney disease. The which can reveal early method can predict the signs of acid buildup progression of the disease, - a condition that can which could ensure be harmful to kidney function.

"We discovered that the balance between different acid-base elements in urine Researchers from samples from patients with

differs significantly from healthy individuals. This could be associated at the Department of with chronic kidney led us to develop a with kidney function Biomedicine, Aarhus



the relationship between over time," explains several of the urine's Mads Vaarby Sørensen, acid-base elements PhD and researcher failure are at risk of calculation model where and disease progression University.

Light pollution new Alzheimer's risk factor

Outdoor light at night could be a significant risk factor in Alzheimer's disease, according to new research from Rush.

While light pollution is associated with increased risk of some disorders and diseases, this is the first time it had been associated with Alzheimer's disease. The study was conducted at Rush University System for Health.

"Our research shows that there is an association in the U.S. between Alzheimer's disease prevalence and exposure to light at night, particularly in those under the age of 65," said lead investigator, Robin Voigt-Zuwala, PhD, an associate professor?at Rush.

"Nightly light pollution - a modifiable they found that light environmental factor may influence risk for with Alzheimer's disease Alzheimer's." While legislation in some well-established the effects of nighttime



some states aims to reduce light pollution, levels of nighttime light remain high in many parts of the country. In studying light

pollution maps, researchers looked at the lower 48 states and incorporated medical data associated with Alzheimer's disease risk factors and divided effects of light exposure the groups by light intensity.

In the five groups, intensity was correlated prevalence even when

have lifestyles that may increase exposure to light at night." Exposure to light influences the body's natural sleep-wake pattern, which is called a disease factors were not. circadian rhythm. While the cause is Exposure to light at unknown, higher nighttime

night can disrupt a person's light intensity was circadian rhythm, which associated with a greater can promote inflammation Alzheimer's disease and make a person less prevalence than any other resilient and more prone risk factor examined in to disease. the study for those under

light exposure," Voigt-

"Additionally, younger

people are more likely to

live in urban areas and

Zuwala explained.

Researchers did not examine light inside the home at night or how it might impact health.

Voigt-Zuwala said, "The good news is that simple changes can be made with minimal effort to reduce exposure to light at night - adding black out curtains or sleeping with an eye mask."

Adoption of surgical robotic technology pivotal in addressing gynaecological

the age of 65, suggesting

that younger people may

be more sensitive to the

influence early-onset

Alzheimer's, and these

same genes may cause

increased vulnerability to

"Certain genes can

at night.

doctors to detect acid buildup earlier than what is possible with current blood tests. According to Mads

The new method allows

Vaarby Sørensen, existing biomarkers can only measure acid buildup when it is severe enough to affect the blood's acidbase balance.

treatment for patients. The new acid-base score The research by Saad can reveal imbalances in Kenderian, MB. ChB, a the urine much earlier in consultant in haematology the process. at Mayo Clinic, was

Another advantage of published recently. the new method is its precision discovery that offers

"Our method has new hope of overcoming been tested in several challenges of CAR-T cell independent cohorts and therapy that many cancer patients experience," says has proven to be very Dr. Kenderian, senior accurate, even when we author. "We describe for analyse urine samples from the first time a mechanism the same patients over a causing the resistance longer period," explains and failure of CAR-T Peder Berg, MD and cells, which lies within postdoc at the Department a protein routinely made of Biomedicine, Aarhus by the engineered cells. University.

The method has the potential to change how patients with chronic kidney disease are monitored and treated.

It can distinguish between patients with stable kidney function and those who rapidly lose

kidney function. Chronic kidney disease affects more than ten percent of the adult population and places significant demands on healthcare resources.

"The new method could potentially reduce the need for frequent checkups for stable patients and free up resources for those with more aggressive disease progression," says Samuel Svendsen, medical resident at the Department of Nephrology at Aarhus University Hospital.

Gene editing to fuel new cancer therapy

Mayo Clinic researchers

mined the molecular

foundations of cancer

and uncovered a new

reason chimeric antigen

receptor (CAR-T cell

therapy) fails in some

patients. This discovery

has fuelled new strategies

that incorporate antibodies

and gene editing to

improve the outcome

of this breakthrough

"This is a very exciting

This research puts us on

the longevity of CAR-T

CAR-T cell therapy

a person's T cells are

and leukemias into

complete remission.

However, this potential

game-changing treatment

works very well in only

about one-third of cancer

cell therapy."

tumours.



patients. One of the main drivers of failure is T-cell exhaustion. That condition occurs when CAR-T cells weaken, losing their ability to multiply, target and eliminate cancer cells. T-cell exhaustion causes relapse in many patients within a year of receiving CAR-T cell therapy.

In search of new solutions, Dr. Kenderian's team analyzed pre-infusion CAR-T cells from patients treated with CAR-T cell therapy. They compared data from patients who went into remission to those whose CAR-T cell therapy failed. They also studied how CAR-T cells killed lymphoma, a new path for improving leukemia and multiple myeloma tumors grown in laboratory mice. They compared the results of is a regenerative immunotherapy in which mice who responded well to CAR-T therapy to those that did not.

collected from the body and genetically modified The team documented an elevated amount of the in the lab to target protein interleukin-4 (ILproteins on tumors. The engineered T cells are 4) in both the human and returned to the patient, mice samples of CAR-T where they act as a living cell exhaustion. IL-4 is a protein that regulates drug that continually harnesses the power of inflammation and immunity. In moderation, the immune system to the IL-4 protein acts as a recognize and destroy catalyst that activates the body's immune system CAR-T cell therapy is against cancer. This study an emerging treatment for blood cancers, putting found the supercharged some B-cell lymphomas CAR-T cells sometimes

make too much IL-4. "We discovered CAR-T cells make proteins that are not always helpful to patients. Too much of CAR-T cells and their an IL-4 protein overloads

short palindromic repeats (CRISPR) gene-editing technology to explore genetic function and interaction in CAR-T cell therapy. CRISPR was a key tool in singling out the overabundance of the IL-4 protein in dysfunctional CAR-T cells. CRISPR acts as "molecular scissors" to precisely cut and alter a person's genes. In this case, researchers used the

high-tech tool to knock out or modify the IL-4 protein causing CAR-T cell dysfunction. "After applying the CRISPR gene-editing technology to remove the

exhaustion," says Carli

Stewart, a Ph.D. student

within Mayo Clinic

Graduate School of

Biomedical Sciences and

first author. "This finding

prompted us to explore

strategies to modify or

eliminate the IL-4 protein

and study whether that

would recharge CAR-T

cells and restore their

The team used clustered

regularly interspaced

ability to stop cancer."

IL-4 protein from the cell, our team documented a significant improvement in the ability of CAR-T cell therapy to recognize and kill cancer," says Dr. Kenderian

Researchers also tested monoclonal antibodies to block or neutralize the IL-4 protein. They found that it also rejuvenated ability to block cancer.

disease: Dr.Preetha Reddy

Chennai, Aug 19: Dr. Preetha Reddy, Vice Chairperson of Apollo Hospitals, emphasized that the adoption of advanced medical technologies, such as robotic-assisted surgery, is crucial in addressing the growing burden of gynaecological diseases on India's healthcare system. Speaking at Asia-Pacific's largest gynaecological conference, Dr.Preetha Reddy delivered a special address during the live surgery workshop at Apollo Proton Cancer Centre in Chennai. "To fully harness the transformative potential of advanced technology in gynaecological practices, we must commit to expanding training programs and fostering collaborations that elevate surgical proficiency. I am confident that this APAGE conference, in collaboration with Apollo Hospitals and leaders in surgical technology, will inspire many to embrace similar partnerships for the betterment of our healthcare ecosystem," she added.

The conference was organized by The Asia Pacific Association for Gynaecologic Endoscopy and Minimally Invasive Therapy (APAGE). During this event, over 90gynaecologic surgeons received training in the latest roboticassisted surgical techniques using the advanced da Vinci robotic system. The conference also saw the participation of IAGE members, and eminent surgeons from across India and other Asian countries.

The conference had live surgical workshops featuring latest techniques for gynaecological procedures like endometriosis, hysterectomy, and myomectomy, a range of collaborative sessions and master classes on the minimally invasive approaches in gynecological oncology and practical tips for beginners in robotic surgery.



Speaking at the event, Dr. Kurian Joseph, Chairman of Organising Committee, APAGE said, "It is with immense pleasure that we gather here at the 24th Annual Congress of APAGE. The participation of 500 national delegates and international delegates made this conference a huge success and remarkable event with the exchange of scientific knowledge and surgical skills.As robotic-assisted surgery becomes more prevalent with significant advancements in the field of gynaecology, international conferences like these will give opportunities for healthcare professionals to network, share thoughts about the latest innovation and clinical practices".

Highlighting the need to train more surgeons in robotic-assisted surgery, Dr. Arnold Advincula, Minimally Invasive Gynaecologic Surgeon at Columbia University Medical Centre, New York, United States said, "The increasing incidence of gynecological disorders in India presents a significant health challenge for women. Advanced surgical interventions are crucial to effectively manage and address these evolving needs of patients.

As new-age technologies emerge and we integrate them into clinical practice, there is a need for the healthcare ecosystem to address the existing skill gap by investing in comprehensive education and familiarization programs. These initiatives will help surgeons achieve proficiency in cutting-edge technologies like robotic-assisted surgery".

"The conference offered insightful sessions on managing the breadth of complex benign and malignant gynaecologic pathology through various minimally invasive approaches. Surgeons also had the opportunity to gain hands-on experience in performing fertilitysparing reproductive surgeries in using advanced robotic systems such as the da Vinci", he added.

Dr. Meenakshi Sundaram, a leading gynaecologist at Apollo Hospitalsaid, "With keynote lectures, panel discussions, live surgical demonstrations and handson workshops, the conference cultivated a dynamic learning environment for the attendees, significantly contributing to their professional development and career growth. The conference served as an invaluable opportunity for all participants to learn from the experts in the industry, from beginners learning the fundamentals of minimally invasive surgeries to robotic surgeons advancing their skills and techniques. As more surgeons undergo training in robotic-assisted surgery through familiarisation programs at these conferences, India will see a wider adoption of the technology. Consequently, more patients will benefit from enhanced access to advanced treatments that offer better patient outcomes with less blood loss, and faster recovery."

Study links diet to increased heart disease

Cardiovascular diseases manufacturers to improve the nutritional quality of are the leading cause of mortality in Western their products.

Europe, accounting for one The Nutri-Score has 5 third of deaths in 2019. categories, ranging from A (dark green - higher Diet is thought to be responsible for around 30% nutritional quality) to E (dark orange - lower of such deaths. Nutritionnutritional quality). An related prevention policies therefore constitute a major algorithm ranks each public health challenge for product according to its levels - per 100 g - of these diseases. In an article, researchers energy, sugars, saturated

fatty acids and salt (to from the Nutritional limit) and proteins, fruits, Epidemiology Research Team (CRESS-EREN), vegetables and pulses (to with members from favour). A number of studies Inserm, Inrae, Cnam, Université Sorbonne Paris published in international Nord and Université Paris scientific journals have shown the validity of Nutri-Cité, in collaboration with researchers from the Score in characterising the International Agency for nutritional quality of foods and its efficacy in guiding Research on Cancer (WHO-IARC), report an increased consumers towards more risk of cardiovascular nutritious choices (over diseases associated with 140 publications). the consumption of foods

that rank less favourably

on the Nutri-Score scale

(new 2024 version) within

the European cohort

EPIC. A total of 345,533

participants from the

cohort, spread across 7

European countries and

followed for 12 years,

were included in the

Officially adopted in

France in 2017 (and in 6

other European countries

since), the Nutri-Score

aims to provide rapid

information on the

nutritional quality of

foods and drinks to help

and encourage consumers

to compare them and

choose those that offer a

better nutritional quality.

In parallel, it encourages

analyses.



Sale Notice For Sale of Immovable Properties E-auction sale notice for sale of immovable assets under the securitisation and reconstruction of financial assets and enforcement of security interest act. 2002 under rule 8(5) read with proviso to rule 9(1) of the security interest (enforcement) rule, 2002. Subsequent to the assignment of debit in avour of Kotak Mahindra Bank Limited by "Fullerton India Home Finance Company Limited" (hereinafter referred to as "FIHFCL") the autforised officer of Fullerton India Home Finance Company Limited (hereinafter referred to as "FIHFCL") has taken the possession of below described immovable property (hereinafter called the secured asset) mortgaged/charged to the secured creditor on 28.06.2021. Notice is hereby given to the borrower (s) and guarantor (s) in particular and public in general that the bank has decided to sale the secured asset through e-auction under the provisions of the sarfaesi act, 2002 on "As is where is", "As is what is", and "Whatever there is" basis for recovery of **Rs.37.70.629/HQuege Thirty Seven Lak Seventy Thousand Stx Hundred Twenty Nine Only**) outstanding as on 17.09.2024 along with future applicable interest till realization, under the loan as per below details.

Place: Dindigul, Tamil Nadu, Date: 18.09.2024 Authorized Officer: Kotak Mahindra Bank Limite

JM Financial Home Loans Limited Possession JM FINANCIAL Corporate Office - 3rd Floor, Suashish IT Park, Plot No. 68E, off Datta Pada Notice Home Loans Road, Opp. Tata Steel, Borivali (E), Mumbai - 400 066 Under section 13(4) of securitisation and reconstruction of financial assets and enforcement of security interest act. 2002 and rule 8(1) of the security inter enforcement) rule 2002. (appendix iv). Whereas the undersigned being the authorised officer of JM Financial Home Loans Limited.(hereinafter referred as JMFHLL) under the securitisation ar

reconstruction of financial assets and enforcement of security interest act, 2002 and in exercise of powers conferred under section 13(2) read with rule 3 of the security interest (enforcement) rules, 2002 issued a demand notice to the borrower(s)/co-borrower(s)/guarantor(s) mentioned herein below to repay the amount mentioned in the notice within 60 days from the date of receipt of the said notice. The borrower(s)/co-borrower(s)/quarantors(s) having failed to repare the demanded amount, notice is hereby given to the borrower(s)/co-borrower(s)/guarantotice, he submit is guarantoted to public in general that the undersigned on behalf o JMFHLL has taken possession of the property described herein below in exercise of powers conferred on him under section 13(4) of the said act read with rule 8(1) of the said rules. The borrower(s)/co-borrower(s)/guarantor(s) in particular and the public in general is hereby cautioned not to deal with the below entioned property and any dealings with the said property will be subject to the first charge of the JMFHLL for the amount as mentioned herein below w

Sr. No	Borrower(s)/ Co- Borrowers(s)/ Guarantors(s)Address	Description of Secured Asset (Immovable Property)	1. Date of Possession 2. Demand Notice Date 3. Amount Due in Rs. As on
1.	1. Mrs. Gnanaselvam and 2. Mr Esakkimuthu Thiraviyam Loan Account Number	All that piece and parcel of land and building bearing Door No.207, Ward No.2, Situated at Mangammal Road, Senkulam, South Veeravanallur Panjayat Limits, South veeravanallur Village, Tirunelveli District, Comprised in Natham S.No.227/16, Land Measuring to extent of 2773 Sq. Feet., equals of 257.62 Sq. meters, and bounded on the North by - Perumal hand house South by - Mangammal Road East by - Ramakrishnan house common wall West by - Padmanaban house Measurements: East to West: 29.50 Feet North to South: 94 Feet The above property situated within the Registration District of Cheranmahadevi and within the Registration Sub District of Northveeravanalur.	1. 14-09-2024 2. 12-07-2024 3. Rs. 13,93,671/- (Rupees Thirteen Lacs Ninety Three Thousand Six Hundred and Seventy One Only) outstanding as on 12/07/2024.
Date: 19-09-2024 ,Place: Tamil Nadu S/d ,Authorised Officer,For JM Financial Home Loans Limited			