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**SNAPSHOTS**

**Nod for study into cannabis use in cancer fight**

Tata Memorial Centre will soon study if cannabis can help check recurrence of cancerous tumours. The trial is part of an ongoing study to look at the effectiveness of injecting anaesthetic agents in and around tumours before surgeries. The first findings from the research showed lower metastasis rate among breast cancer patients injected with local anaesthesia Lidocaine before surgery. Tata now wants to look at alternatives like cannabis. P 15

**WEATHER**

Max 33.3°

Min 24.5°

Ahmedabad Forecast: Partly cloudy sky. Max temp will be 33.0°C



**WHEN GOATS CRY**

We'll get through this somehow. It's been a wonderful day. I told the guys I'm happy, not sad. I enjoyed tying my shoelaces one more time, everything was the last time... It has been a perfect journey, I would do it all over again

—ROGER FEDERER

When Roger leaves the Tour, an important part of my life is leaving too

—RAFAEL NADAL

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**Locals burn U'khand resort after murdered girl's body recovered**

Kautilya Singh & Kalyan Das | TNN

**Dehradun:** The body of 19-year-old Ankita Bhandari, a receptionist at a resort owned by Pulkit Arya, son of former BJP minister Vinod Arya, was recovered from the Chila Barrage in Rishikesh early Saturday morning by a deep-diving team of the state disaster response force. Angry locals soon gathered at the resort, which was demolished by the state government with the help of bulldozers on Friday night, in large numbers and set its remnants on fire. Pulkit and two of his associates have been accused of killing Ankita after she refused to comply with their alleged demands of indulging in prostitution at the property. They were arrested and sent to judicial custody on Friday.

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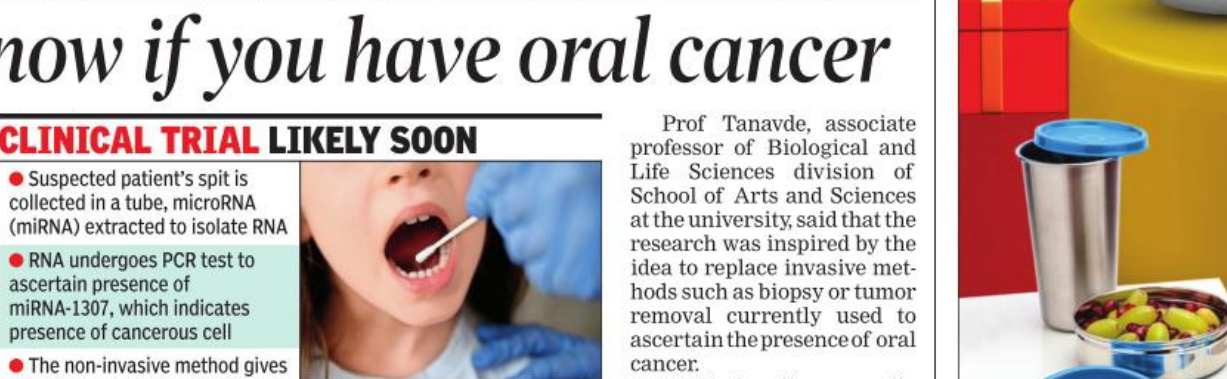
**Tirumala controls properties worth ₹85k cr across India**

Sandeep.Raghavan | @timesgroup.com

**Tirupati:** Tirumala Tirupati Devasthanams (TTD), the richest Hindu endowment body in the world, has announced that it owns 960 properties across the country valued at Rs 85,705 crore. Officials told TOI that this figure has been arrived at as per government calculation and that the actual market value of the properties would be at least 1.5 times higher, around Rs 2 lakh crore. This is the first time in recent years that TTD has officially given details of its properties.

The latest numbers have come at a time when TTD's monthly income through donations in the temple 'hundi' has steadily increased in the last five months. Since April, the total donations through the hundi have crossed Rs 700 crore. This is higher than the donations it received in the pre-pandemic days.

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**Spit to know if you have oral cancer**

**CLINICAL TRIAL LIKELY SOON**

- Suspected patient's spit is collected in a tube, microRNA (miRNA) extracted to isolate RNA
- RNA undergoes PCR test to ascertain presence of miRNA-1307, which indicates presence of cancerous cell
- The non-invasive method gives result in 24 to 48 hours
- After proof of concept, the clinical trial is expected to start in Ahmedabad soon

Ahmedabad had 5K plus head and neck cancer cases in 2021, of which 41% of patients were below 45 years

Prof Tanavde, associate professor of Biological and Life Sciences division of School of Arts and Sciences at the university, said that the research was inspired by the idea to replace invasive methods such as biopsy or tumor removal currently used to ascertain the presence of oral cancer.

"RNAs in saliva generally degrade due to the presence of various enzymes. Thus, we took another route where we isolated exosomes or sack-like structure in a cell from the sample that has miRNA trapped in it. We purify it to isolate RNA and then do a PCR test to derive the result," he said.

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**India slams Pak PM Sharif for Kashmir remark at UNGA**

Says It Was Meant To 'Obfuscate Own Misdeeds'

TNN & AGENCIES

**New Delhi:** India hit out at Pakistan PM Shehbaz Sharif for raking up the Kashmir issue at the UN General Assembly saying that Sharif's false allegations against India were meant to obfuscate Islamabad's own misdeeds. In a sharp response to Pakistan, India said in the UNGA that a country that claims to seek peace with its neighbours would never sponsor cross-border terrorism nor would it shelter planners of the horrific Mumbai terrorist attack, disclosing their existence only under pressure from the global community.

India exercised the 'Right of Reply' in the UNGA on Friday to respond sharply to the

▶ Continued on P 12



**Armyman held in Punjab univ video leak case**

Chandigarh: The Punjab police arrested an Armyman from Arunachal Pradesh on Saturday in the Chandigarh University objectionable video leak case. The suspect, Sanjeev Singh, may have been blackmailing the accused girl student, police officials said. This is the fourth arrest in the case. Officiating DGP Gaurav Yadav said that based on forensic and digital evidence, a Mohali police team was dispatched to Arunachal Pradesh to arrest the accused. TNN

**New Delhi:** While endorsing PM Narendra Modi's "this is not the era of war" remark, Germany, Europe's economic powerhouse and one of the countries leading the West's response to Russia, has said the conflict in Ukraine is about keeping international borders safe and Russia's "land grab" is a reason to worry for countries like India which have suffered from border infringements.

In an interaction with TOI, German ambassador to India Philipp Ackermann said his country won't tell India what to do on either importing oil from Russia or on the issue of the G7's proposed price cap on Russian oil, but underlined that countries like India and Germany shared the same values. He said the proposed price cap was a complicated issue and not something that would come into effect overnight. P 11



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# Simple screening method can do wonders in Gujarat

► Continued from P1

The team said that they employed widely used kits to isolate RNA, and due to Covid now almost all labs have PCR machines. The test reveals presence of miRNA-1307 which indicates cancerous cells. The results come in 24 to 48 hours.

Dr Patel said if detected early, oral cancer can be 90% treatable. We often get patients only when there is a visible patch or tumour, or pain. Patients are often wary of invasive methods, and a simpler screening method can do wonders in Gujarat, considered the oral cancer capital of India due high prevalence of tobacco consumption," he said.

Officials added that after primary validation of the method, they will soon start full-fledged clinical trials, so that the method can reach hospitals in a few years.

The team said the plus point is the cost-effectiveness and ease of repeated testing. For example, even after removal of a tumour, surgeons want to know whether there's a re-growth. If the tumours turn chemo or radio-therapy resistant, there is a risk they can grow again and regular testing can help.