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INDIAN POP STAR REMO RETURNS TO ROCK DUBAI

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Why Sultan of Space wore 'pirate' eyepatch

Al Neyadi wants to know how microgravity affects eyes in space

DUBAI

BY SAJILA SASEENDRAN
Senior Reporter

UAE astronaut Sultan Al Neyadi, who is on the longest Arab space mission on the International Space Station (ISS), yesterday shared photos of himself wearing an eyepatch resembling those worn by pirates.

In his social media post, Al Neyadi explained that he wore the eyepatch as part of research on how shifting fluid in the body during long-duration space missions can exert pressure on the eyes, potentially leading to vision problems. "On the ISS, fluids in our body shift



■ Sultan Al Neyadi

toward the head, which may exert pressure on eyes, leading to vision problems. Using an Optical Coherence Tomography [OCT] I am capturing images of the retina to understand how microgravity affects our eyes during long duration missions."

What is Sans?

Microgravity environments, such as on the ISS, can cause

a redistribution of bodily fluids, leading to a phenomenon known as Spaceflight-Associated Neuro-ocular Syndrome (Sans). Sans has been observed in some astronauts and is characterised by vision impairments that can persist even after their return to Earth.

'Call from Space' in Ajman

Al Neyadi is scheduled to address a group of Ajman residents in a live video call from space today. This marks the seventh instalment in the 'A Call from Space' series. The event will be held at Emirates Hall in Ajman from 2pm.

More than 6,500 people have taken part in the past six editions of the event, giving attendees a glimpse in to Al Neyadi's life on the ISS and the chance to speak with him.

UAE to launch satellite to carry payloads

PHI-Demo lifts off on June 27 from Russia on a Soyuz-2 rocket

DUBAI

Gulf News Report

The UAE is set to write a new chapter in the history of space exploration by launching a new satellite that will help transport and deploy partners' payloads on space missions.

The Mohammad Bin Rashid Space Centre (MBRSC) yesterday announced the scheduled launch date for the first mission of the Payload Hosting Initiative - PHI-Demo.

Marked for lift-off at 3.34pm UAE time on June 27, the programme's maiden mission, PHI-Demo, is set to ascend the skies from Rus-

Following rigorous assessments, the 12U modular satellite platform is primed for launch, carrying two partner technology payloads onboard.

sia's Vostochny Cosmodrome aboard the Soyuz-2 rocket.

Following rigorous environmental and flight review assessments, the state-of-the-art 12U modular satellite platform is primed for launch, carrying two partner technology payloads onboard.

IoT Communication

The advanced IoT communication payload is engineered by OQ Technology, a UAE-based start-up under MBR-

SC's Space Ventures initiative. It enables the storage and forwarding of data collected from IoT devices in remote areas, industries, and autonomous vehicles, utilising state-of-the-art 5G technology.

Propulsion subsystem

The satellite platform incorporates a revolutionary green propulsion subsystem developed by SteamJet from the United Kingdom. This subsystem employs water as the primary propellant, ensuring a sustainable and environmentally friendly approach to space propulsion.



Watch UAE scripting a new chapter in the history of space exploration