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Today's issue of PD

Pharmacy Daily today features two pages of news, plus full pages from:

- Glucojel
- Wizard Pharmacy

Grow with TWC

TERRYWHITE Chemmart (TWC) network can help grow pharmacy's average transaction value with scripts, retail sales, rewards, and health services in a single app.

Learn about more the benefits pharmacy owners can enjoy if they join the TWC network [HERE](#).

Increases profit

DISCOVER how Glucojel's jelly beans can deliver "profit on a platter" to the pharmacies that stock them - more on [page three](#).

Pharmacist invention seeks US patent

RESEARCHERS at Charles Darwin University (CDU) are advancing a novel drug delivery system that could potentially eliminate the need for injections to treat various chronic diseases.

Dr Nazim Nassar, a practicing pharmacist and pharmaceutical scientist at CDU, along with Prof Stefan Kasapis, a biophysicist from RMIT, have recently applied for a US patent for their innovative "gel-like casing" technology, which enables oral delivery of therapeutic proteins and vaccines traditionally administered by injection.

The technology incorporates a hydrogel capsule that can be taken orally, withstand temperatures up to 40°C, and with an acidity of pH 2.4, protects the medication from stomach acidity.

Dr Nassar explained that this method could be especially beneficial for conditions like proliferative diabetic retinopathy, a common cause of blindness globally where patients currently

endure painful eye injections.

"Administering sensitive medications in high stomach acidity and temperature conditions will become simpler with this new hydrogel technology," he told *Pharmacy Daily*.

"It allows the production of highly stable medications, paving the way for oral tablets to replace injections for drugs like insulin, anti-arthritis or anti-cancer medications, and several vaccines."

The medication will also be affordably priced, due to reduced manufacturing costs, he added.

In addition, refrigeration is not necessary, eliminating cold chain delivery costs.

"This breakthrough will expand patient access to critical medicines to treat chronic and debilitating illnesses through their local community pharmacies," he said.

"I believe it will positively impact patients' compliance by reducing the number of doses and eliminating the invasive injection

route of administration," he said.

Nassar added the development marks the "first opportunity" for the pharmaceutical industry to access cross-disciplinary technology grounded in fundamental principles of biophysics and biopharmaceutical sciences.

"Our ageing population is also growing, and so is the prevalence of health issues, so the healthcare system needs more ways to ensure treatment is efficient and effective as much as possible," he said.

"There will also be huge savings for customers, Medicare, and it is a greener option with a reduced need for incineration of needles and syringes." *JG*

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Dispensary Corner

IN A world where anger management is the name of the game, researchers have unveiled a quirky strategy: tossing out your troubles, literally.

Forget counting to 10 or taking deep breaths, according to a new study in *Nature*, the key to neutralising anger lies in the physical disposal of a piece of paper containing your written frustrations.

Participants in the study were tasked with penning their thoughts on social problems.

They then received a handwritten, insulting comment from the study's researchers to spike their tempers.

But fear not, salvation came in the form of a trash can or shredder.

Half of the participants bid *adieu* to their anger by throwing their notes in the bin or putting them through a shredder, while the other half clung to them like a lifeline.

The result?

Those who bid farewell to their frustrations saw their anger levels plummet, while the clingy crew remained stuck in the anger zone.

With applications ranging from boardroom blowouts to preschool tantrums, this method offers a cost-effective solution to anger management.

And who knows?

Maybe one day, we'll have an app for that, making anger disposal as easy as swiping left on your troubles.

So next time you're seething with rage, remember: when in doubt, toss it out!

AI app streamlines notes

AI-DRIVEN platform, PatientNotes, has introduced an iOS app that improves the way healthcare professionals handle clinical patient documentation.

By addressing the common issue of illegible doctors' handwriting, this app is set to save thousands of hours for healthcare workers across Australia each month.

"Let's face it, paperwork is the worst - especially when you're a healthcare professional trying to juggle 10 things at once," said PatientNotes CEO Jason Smale.

"PatientNotes is here to take the hassle out of your admin and get time back in your workday."

With this app, healthcare professionals can dictate notes directly into their iPhones as they move about their day, whether walking through hospital hallways, visiting patients at home, or working in noisy environments.

These notes are then easily accessible and can be further edited on desktop computers, ensuring seamless integration across devices.

Addressing security concerns related to the use of personal



devices for sensitive information, Smale added, "our app incorporates stringent security measures to safeguard patient data, aligning with HIPAA [Health Insurance Portability and Accountability Act] and Australian Privacy Principles".

"This makes PatientNotes a secure alternative to traditional note-taking methods which often involve unsecured voice and text messaging apps."

PatientNotes is inviting all healthcare professionals to try the new app free for 14 days to fully assess its capabilities and see how it can be integrated into their daily workflows to enhance productivity and patient service.

Smale said with its user-friendly design and robust functionality, the PatientNotes app is poised to become a vital tool for a variety of healthcare providers. *JG*

UK body backs chronic migraine drug

THE National Institute for Health and Care Excellence, UK, recently endorsed atogepant, a new oral treatment for preventing chronic and episodic migraines, potentially benefiting up to 170,000 NHS patients.

Marketed as Aquipta and produced by AbbVie, atogepant is recommended for adults who experience at least four migraine days per month and have unsuccessfully tried three previous treatments.

The medication, the first oral

preventive option, offers a shift from the injectable drugs typically required for those with severe cases.

Atogepant works by inhibiting the calcitonin gene-related peptide receptor, a protein linked to migraine pain through its role in dilating blood vessels.

UK Health Minister Andrew Stephenson said that he hopes the new treatment will help prevent recurring migraine attacks where other medicines have failed.

Sponsors' update

THE TGA recently unveiled the updated *Assessed Listed Medicines Evidence Guidelines* to make the application process for pharmaceutical product sponsors easier.

The update incorporates feedback from professionals, insights from the Advisory Committee of Complementary Medicines, and lessons learned from prior applications.

The revisions aim to enhance the flexibility of evidence requirements, improve the clarity and readability of technical information, and update procedural details such as the Data Protection Scheme and the Comparable Overseas Body process.

Notably, the guidelines now offer simplified instructions on how to modify an assessed listed medicine.

By referencing established international and TGA-adopted guidelines, the new version reduces the need for frequent updates and aligns more closely with global practices.

The approach benefits sponsors who are less familiar with such regulations by balancing detailed guidance with accessible references.

Additionally, the updated guidelines have been streamlined to eliminate redundant information, simplifying the application process for entering medicines into the Australian Register of Therapeutic Goods under the assessed listed pathway.

The pathway allows sponsors to market products with high-level indications without the need for the full registration's extensive requirements.

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