

origin integrated studios

the healthcare digital future

WWW.ORIGINISTUDIOS.COM



**ISSUE
NO.12/
MARCH
2024**

**RECENT DEPLOYMENT & BEACON
HOSPITAL (PJ) - 03 & 04
UPCOMING RELEASES - 05, 06 & 07
HEALTH INFORMATICS: A CROSSOVER
BETWEEN MEDICINE AND
TECHNOLOGY - 08 & 09**

CONTRIBUTORS

Visual Editorial Designer

Cleo

cleo.lee@originistudios.com

Clinical Informatics Consultant

Lee Tze Yee (Erin)

erin.lee@originistudios.com

Contributing Writers

Brendan Kong Sien Howe

RECENT DEPLOYMENTS



Beacon Oncology Clinic (Kuantan)

Under the umbrella of Beacon Group, Beacon Oncology Clinic adopts holistic approach to cancer treatment, incorporating various of treatments such as surgery to chemotherapy, radiotherapy, radiosurgery, and immunotherapy. With comprehensive years of experience in oncology specialization, alongside with advance medical technology and specialist doctors, Beacon Oncology Clinic commits to enhancing patient care throughout the the treatment journey.



Andorra Women and Children Hospital

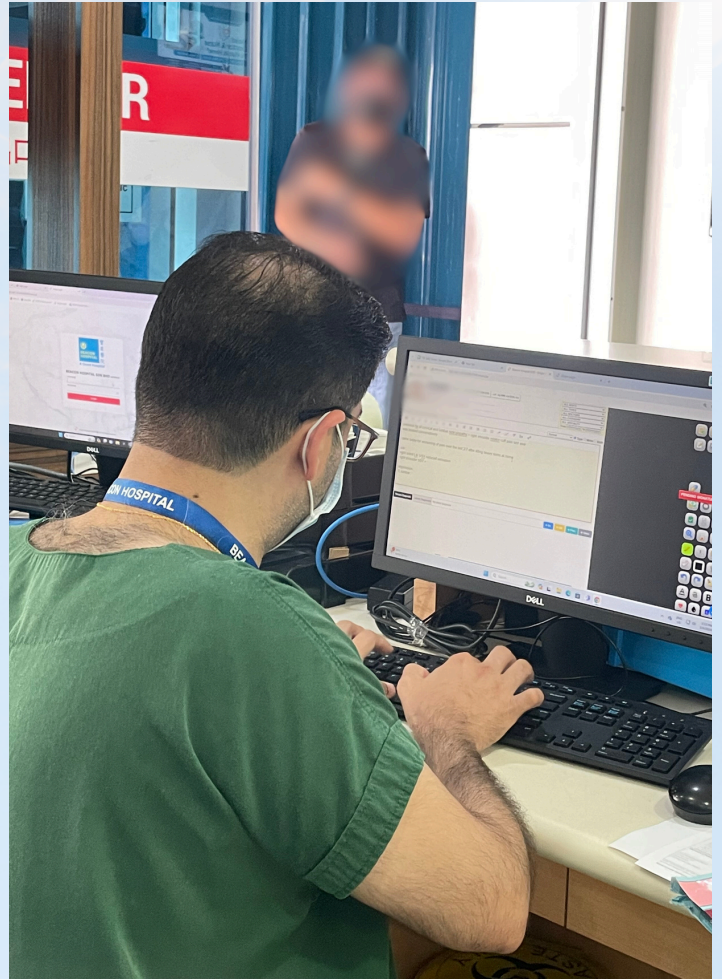
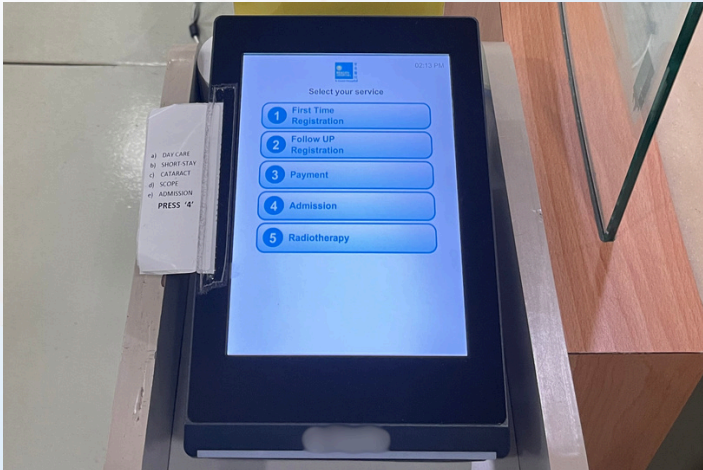
As the brainchild of Dr. Khamsiah Muda, Andorra Women & Children Hospital is a Syariah-friendly healthcare institution devotes to serve unique needs and foster well-being for women and children. Alongside with women's team from diverse specializations striving for the same goal, form the company as BFWF Medic Sdn Bhd. Beneath the slogan of "By Women For Women" (BFWF), exclusively designed to serve women's healthcare needs which address to their physical, emotional, and psychological traits, is something only women can truly resonates deeply.



Beacon Hospital (PJ)

Beacon Hospital stands as medium-sized cancer specialist hospital facilities with 100 beds and a team more than 80 medical specialists. Their core mission center on delivering cutting-edge medical equipment, specialist doctors and well-trained nursing care, all infused with love and empathy for our patients

BEACON HOSPITAL (PJ) GO LIVE : 30 MARCH 2024



Queue Management System is integrated with 3rd party system to generate tickets and display queue numbers on the TV screen at the Registration Counter (From the Left). The doctor utilizes Origin EMR to input patient diagnoses and order medications (From the Right).



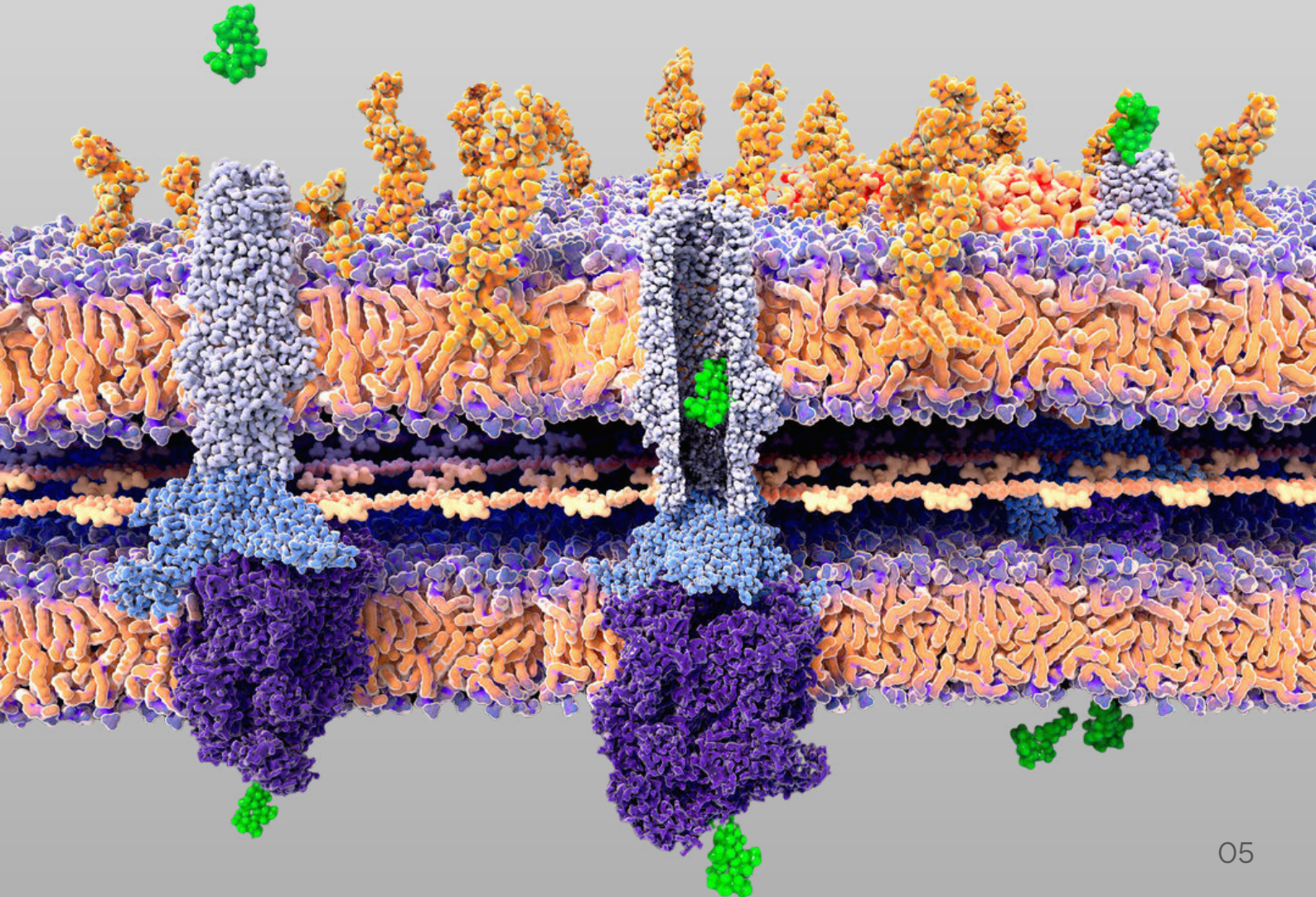
The new Beacon building is scheduled to be completed by **September 2024**

UPCOMING RELEASES

Antimicrobial Stewardship (AMS) Module

Origin Integrated Studios has introduced an Antimicrobial Stewardship Program (AMS) module within hospital information systems, as part of the AMS to promote optimal antimicrobial prescribing and maximize effectiveness, while minimizing related potential adverse effects including antimicrobial resistance (AMR).

This module empowers healthcare providers with an intuitive interface, enabling them to seamlessly document antimicrobial prescriptions, initiation and intervention, patient progress notes, and outcomes. By tracking antimicrobial treatment days and patient data, the system facilitates efficient monitoring and analysis of prescribing behaviours and resistance patterns. Additionally, the AMS log enhances administration efficiency, while the comprehensive reports generated offer valuable insights into patient medication history, diagnostic information, and laboratory results, fostering informed decision-making and ultimately improving clinical outcomes.



The background of the page features a composite image. On the left, a patient's arm is shown with dialysis tubing and a blue clamp. On the right, a nurse in blue scrubs is writing on a whiteboard. In the center, there is a large, semi-transparent illustration of a human hand holding a dialyzer, which is a device used for dialysis. The dialyzer is shown in cross-section, revealing internal structures and tubing.

Dialysis Information and Whiteboard Module

Following the implementation of a few sites who provide high flow of dialysis services to the community, Origin EMR has enhanced the whole dialysis information entry and data management for dialysis patients. Our dialysis scheduling is modelled from actual dialysis unit whiteboards in use, which recently have been elevated to another level as we have successfully integrated with queue management systems. Once patient slots have been scheduled in the dialysis scheduler, it will set as appointments and synchronize with the queue management system. Patients will then have visibility of own dialysis schedule via the queue management system portal.

Dialysis unit nurses are required to enter data monthly into the ELECTRONIC NATIONAL RENAL REGISTRY (eNRR). To ease this process, Origin EMR has created the Dialysis Information module which consolidates all required information in one screen for easy reference. Data included are:

- Patient demographics
- Current Dialysis order
- Patient's standing medication
- Patient's dialysis-related financial documents e.g. guarantee letters
- Clinical Summary of every dialysis session for up to 1 month



Obstetrics and Gynaecology (O&G) Module

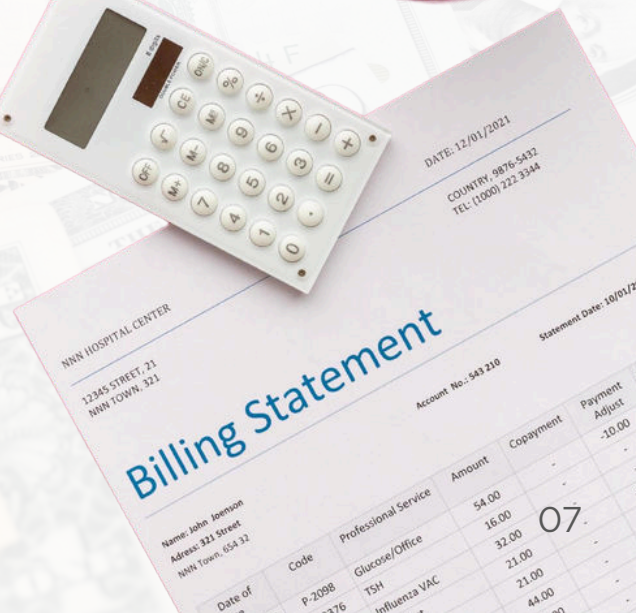
Origin boasts additional functional features to our EMR that ease obstetrician and labour room's clinical workflow. Apart from the addition of a pregnancy calculator, clinicians can also get an overview of patient information via a dashboard encompassing obstetric history, antenatal records, and intrapartum observations.

Charge Sheet Function

Our digitized hospital charge sheets revolutionize billing processes, empowering clinicians to efficiently input service, procedural, and consumable charges. Through our intuitive click-to-select feature, clinicians can perform charging easily, ensuring accuracy and efficiency in billing procedures.



FOR ADDITIONAL INFORMATION,
FEEL FREE TO REACH OUT TO US
sales@originstudios.com (ATTN: Upcoming Releases)



NWN HOSPITAL CENTER
12345 STREET, 21
NWN TOWN, 321

Billing Statement

Name: John Jensen
Address: 321 Street
NWN Town, 654 32

Date of	Code	Professional Service	Amount	Copayment	Payment Adjust
	P-2098	Glucose/Office	54.00		
	75H	TSH	16.00		
	7376	Influenza VAC	32.00		
			21.00		
			21.00		
			44.00		

Account No.: 543 210

DATE: 12/01/2021
COUNTRY: 9876-5432
TEL: (1000) 222 3344

Statement Date: 10/01/2021

Payment Adjust -10.00

07

HEALTH INFORMATICS: A CROSSOVER BETWEEN MEDICINE AND TECHNOLOGY



**By Brendan Kong Sien
Howe**

Contemporary healthcare dictates the fusion of technology and medicine, and is indispensable in the healthcare sector, contributing to enhanced patient care, operational efficiency, and clinical decision-making. For individuals who have transitioned from traditional medical pathways to pursue careers in information technology (IT), the realm of health informatics stands as a perfect instance where expertise in medicine converges with technological solutions. As an ex-medical student who opted to pivot towards IT, challenges and opportunities are inherent in navigating a career within the realm of health informatics

What is health informatics?

Health informatics is a collaborative area of study and practice focused on leveraging biomedical data, information, and knowledge to drive scientific inquiry, problem-solving, and decision-making with the goal of enhancing human health. Put simply, it's the science of utilizing meaningful data to improve healthcare outcomes.

Developing a Career in Health Informatics: An Ex-Medical Student's Perspective

- *Leverage on Your Medical Background*

Having an upper hand in first-hand medical training and a rich reservoir of medical knowledge serves as a robust cornerstone, allowing you to capitalize on your comprehension of clinical workflows, medical jargons, and patient care processes. Your distinctive vantage point as a healthcare insider offers invaluable insights into the pragmatic challenges and opportunities intrinsic to the industry.

- *Acquire Technical Proficiency*

While having a medical background serves as a commendable asset, it is imperative to augment it with technical acumen pertinent to the realm of health informatics. Invest in skills worth honing, that enrich yourself and serves as an asset to the company. Stay updated and equipped with related certifications relevant to your field of work. It is crucial to remain abreast of emergent technologies and industry benchmarks to maintain a competitive edge in the swiftly evolving landscape of healthcare IT.



- *Seek Practical Experience*

Actively pursue opportunities to accrue hands-on experience in health informatics through internships, research endeavours, or volunteer endeavours. Participate in endeavours centred on the implementation of EMR systems, interoperability standards, health data exchange platforms, or population health management solutions. Engage in tangible projects that afford you the opportunity to deploy your technical prowess in providing solutions intricate healthcare problem statements and demonstrate your ability in driving substantive outcomes.

- *Commit to Lifelong Learning*

With health informatics characterised by rapid technological evolution and perpetual industry dynamics, one should embrace an ethos of continual learning and professional growth to remain at the vanguard of innovation within the health technology domain. Actively partake in courses or symposia and pursue advanced degrees or specialized certifications to deepen your expertise and broaden your career horizons.

Moving from medicine to technology, there lies potential and intrinsic fulfilment in embracing a career in health informatics. Every learning experience contributes to enriching your skill set and intellect. This article aims to offer encouragement to those feeling uncertain or hesitant about transitioning to the IT industry, emphasizing that no knowledge gained along the way is wasted.

**I AM STILL
LEARNING.
ANCORA IMPARO**



APHM
International Healthcare
Conference and Exhibition
2024

4-6 June 2024
Kuala Lumpur Convention Centre

www.aphmconferences.com

**Block your
dates now!**

**SHAPING THE FUTURE OF HEALTHCARE
– TRENDS & INSIGHTS FOR TOMORROW**

YOU ARE INVITED!

Booth No. 190-191 & 194-195

For collaboration or inquiries:

yenching.guan@originistudios.com



WWW.ORIGINISTUDIOS.COM