

MACHS
NEWSLETTER

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QUALITY AFFAIRS

QUALITY DEPARTMENT

The Preparation of Course Specification and Course Report Workshops



The Quality Unit organized a series of workshops during April that aimed to prepare MACHS faculty and teaching staff in how to document accurate and consistent course specifications and course reports to be aligned with the program specification, annual program reports, and KPI reports based on the NCAAA requirements. The workshops targeted the Pharmacy Department as well as the Foundation Year Department. These workshops were presented by Dr. Mohammed Al Sibiai who explained the requirements of NCAAA that they usually focus on while reviewing the documents, particularly the course specification and course report. The Quality unit had been maintaining open sessions of the workshop on 1st and 2nd of May, 2023 to assist the teaching staff of Pharmacy and FYD departments and ensure the accuracy and consistency of their documents.

ACADEMIC DEPARTMENTS

NURSING DEPARTMENT

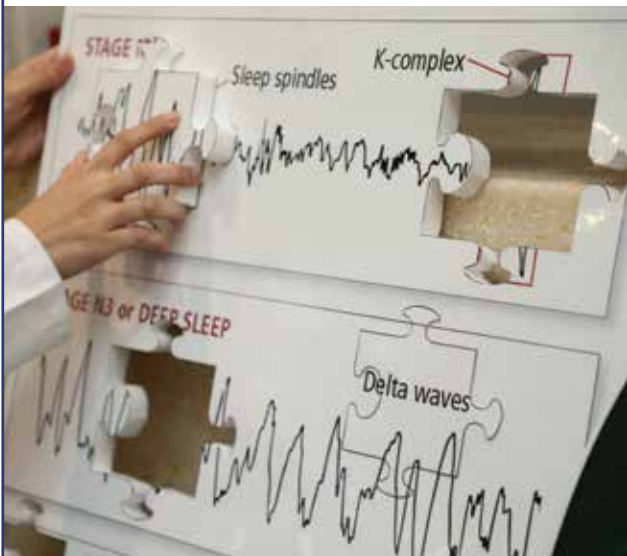
World Tuberculosis Day

World TB Day, 2023, aimed to inspire hope and encourage high-level leadership, increase investments, expedite uptake of new WHO recommendations, adoption of innovations, accelerated action, and multisectoral collaboration to combat the TB epidemic.. As a curricular activity for Community Health Nursing Course (NURS 406) in Level 8, the course Instructor Mrs. Latha Kannan along with Clinical Instructor Mrs. Huda Mousa, Ms. Rana, Ms. Alaa Hani, Ms. Albandari Marshad Algharbi, Ms. Fatima Nema Alshulah planned the activity at the beginning of the semester and conducted it on March 20th, 2023. The objectives were explained to the students in advance, and under faculty supervision they carried out the activity by dividing the students into two groups in each sections. At the end of the activity, a survey link was sent to the participants for their feedback to enhance the activity in the future.



ACADEMIC DEPARTMENTS

RESPIRATORY THERAPY DEPARTMENT World Sleep Day



On March 29th, 2023, the Respiratory Therapy department organized the sleep quality day event at the nursing building. The activity sought to spread awareness about the importance of sleep physiology, pathophysiology, clinical features, and the respiratory management for common sleep disorders. Level eight Respiratory therapy students participated in preparing various booths, souvenirs, and flyers. In addition, the audience were familiarized with the respiratory devices and tools used to treat sleep diseases and provided with tips that help in preventing sleep diseases. The students did a marvelous job educating and sharing knowledge with the audience.

ACADEMIC DEPARTMENTS

PHYSICAL THERAPY DEPARTMENT

You're Awesome When You're Healthy!



On May 19th, 2023, the Physical Therapy department, in collaboration with the Saudi Physical Therapy Association, participated in the Health Promotion Initiative at AL Khobar corniche. The purpose of the activity was to improve the quality of life by incorporating walking as a fundamental yet uncomplicated form of daily exercise. The event started by a walking activity for sixty minutes then raising awareness through MACHS student-run exhibits.

ACADEMIC DEPARTMENTS

FACULTY ARTICLE

Healthcare Management Challenges and Opportunities during COVID Pandemic

Dr. Mahmoud Abdel Hameed Shahin is an Associate Professor in Critical Care Nursing who wrote a review aimed to analyze some problems and challenges that emerged from the COVID-19 pandemic since it has affected global business sectors. During the pandemic, remote work was increased in response to social distance requirements to decrease the transmission of disease. In addition, it increased delegation, teamwork, supply chains, sales activities, and business operations have all been disrupted. Many challenges have emerged in the management of organizations due to the pandemic including the lack of direct contact as the lockdown made many people work from home and placed restrictions on movement and travel and uncertainty about the future. The healthcare system was also affected by the COVID-19 pandemic and faced several difficulties including increased demand for medical supplies and personal protective equipment, a greater need for nurses and other skilled healthcare professionals, and increased pressure on healthcare facilities, emergency services, and critical care departments. These challenges have created some opportunities in the management systems of healthcare organizations and other sectors. It is recommended for leaders prepare and continuously work proactively to be ready for unexpected future crises. Risk management and planning for any unexpected situation are among the very important aspects of organizational management.



Current Research in Public Health, 2023, 3, 666
www.scipublications.org/journal/index.php/crph
DOI: 10.31586/crph.2023.666

Brief Review

Healthcare Management Challenges and Opportunities during COVID Pandemic

Mahmoud Abdel Hameed Shahin ^{1,*} , Hanadi Husni Alabed ² 

HUMAN RESOURCES

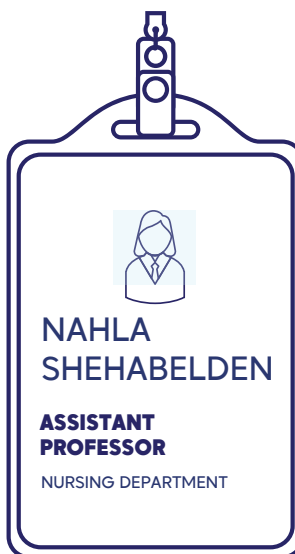
Field trip to Ithra (King Abdulaziz Center for World Culture)



Ithra field trip was a part of the annual entertainment plan. It was organized by the Human Resource on March 7th, 2023 at King Abdulaziz Center for World Culture in Dhahran. Transportation was provided by the college, and the agenda featured a vast variety cultural activities suited for all. The employees had the opportunity to join the Museum, the Hijrah Exhibition, and the library. The Museum is divided into five galleries, respectively dedicated to contemporary Middle Eastern Art, Saudi culture, Islamic art, the natural history of the Arabian Peninsula, and the Archive gallery. The Hijrah Exhibition: In the Footsteps of the Prophet, to shed light on the Prophet's Hijrah from Makkah to Madinah. The Library, on the other hand, is one of the largest public libraries in the region offering over 315,000 books.

HUMAN RESOURCES

WELCOME NEW EMPLOYEES



HUMAN RESOURCES

WELCOME NEW EMPLOYEES



RESEARCH NEWS

Cancer Stem Cell Plasticity

The Scientific Research Unit, in collaboration with professional development department, organized a journal club seminar prepared and presented by Dr. Bader Al Alwan, assistant professor of Molecular and Cellular Biology and Hematology in the medical laboratory department – MACHS. In this scientific seminar, the recently published articles in peer-review journals that highlighted recent advances in cancer stem cell research were discussed. The most recent findings, that composed of college students and faculty, were introduced to the audience. Briefly; Cancer Stem cells are a small number of dormant non-proliferating cells give rise to differentiated progeny. The interactions between CSCs and tissue microenvironment increases their stemness. Nitric oxide production from cancer cells, for example, activates the Notch pathway. The transition state from dormancy into proliferation seems to be very frequent and chaotic in CSCs. Exosomes and microvesicles produced by microenvironment cells influence CSCs and drug-resistance. Stemness in cancer defined as “transient state of enhanced plasticity and robustness crucially influenced by microenvironmental signals”. Stemness and drug resistance were linked due to: CSCs are more resistant, CSCs with stemness-related genes have worse prognosis and Cells with stemness, drug resistance, and dormancy recognized in different tumors. The activity aimed to promote and encourage research culture within MACHS, encourage research activity via enhancing discussion and networking and emphasize the importance of recent scientific findings in research.



RESEARCH NEWS

RESEARCH PUBLICATIONS

1

Al-Shaibi S, Abounahia F, Abushanab D, Awaisu A, AlBadriyeh D. Cost-effectiveness analysis of ibuprofen versus indomethacin or paracetamol for the treatment of patent ductus arteriosus in preterm neonates. *Current Problems in Cardiology* 2023;101751. doi:10.1016/j.cpcardiol.2023.101751.

Indexing: Scopus



PubMed



Web of science



PUBLICATION

Quartile: Q1

Impact Factor: 16.464

2

Ahmad W. Box-Behenken-Supported Development and Validation of UPLC Method for the Estimation of Eugenol in *Syzygium aromaticum*, *Cinnamomum tamala*, and *Myristica fragrance*. *Separations*. 2023; 10(4):248.

Indexing: Scopus



PubMed



Web of science



PUBLICATION

Quartile: Q2

Impact Factor: 3.344

3

Almubark RA, Althumairi NA, Alhamdan AA, AlNujaidi HY, Alzayer R, Almubark SA, BinDhim NF. Socioeconomic and Behavioral Disparities Among Diabetics in Saudi Arabia: A Nation-Wide Descriptive Study. *Diabetes Metab Syndr Obes*. 2022;15:2693-2703. doi: 10.2147/DMSO.S352769.

Indexing: Scopus



PubMed



Web of science



PUBLICATION

Quartile: Q3

Impact Factor: 3.249

4

Abubakar Siddiqi, Md Sarfaraz Alam, Sarfaraz Ahmad, Nawazish Alam, Md Sajid Ali, Md Salahuddin Ansari, Nehal Mohsin Mohammad, Shabib Akhtar, Mohammad Daud Ali, Ayaz Ahamd Munfis Patel. Methanolic root extract of *Citrullus colocynthis* ameliorate parkinson's disease in experimental. *HIV Nursing*.2023;23(3):1179-1187.

Indexing: Scopus



PUBLICATION

RESEARCH NEWS

RESEARCH PUBLICATIONS

5

Assessment of Knowledge, Perception, Experience and Phobia toward Corticosteroids Use among the General Public in the Era of COVID-19: A Multinational Study". Health-care 2023, 11(2), 255;

Indexing: Scopus



PubMed



Web of science



PUBLICATION

Quartile: Q3 Impact Factor: 3.160

6

Anand S, Sowbhagya R, Ansari MA, Alzohairy MA, Alomary MN, Almalik AI, Ahmad W, Tripathi T, Elderderly AY. Polyphenols and Their Nanoformulations: Protective Effects against Human Diseases. Life. 2022; 12(10):1639.

Indexing: Scopus



PubMed



Web of science



PUBLICATION

Quartile: Q2 Impact Factor: 3.253

7

Alzayer R. A qualitative study of the knowledge, experiences, perceived roles, cultural barriers, and skills of community pharmacists dealing with Saudi Patients with asthma. Saudi J Clin Pharm [serial online] 2023 [cited 2023 May 3]; 2:9-20.

PUBLICATION

8

Ahmad W, Ansari MA, Yusuf M, Amir M, Wahab S, Alam P, Alomary MN, Alhuwayri AA, Khan M, Ali A, Warsi MH, Ashraf K, Ali M. Antibacterial, Anticandidal, and Antibiofilm Potential of Fenchone: In Vitro, Molecular Docking and In Silico/ADMET Study. Plants. 2022; 11(18):2395

Indexing: Scopus



PubMed



Web of science



PUBLICATION

Quartile: Q1 Impact Factor: 4.65

9

Dr. Hayatem Ismael, UOFB Journal. Praise in Abdulghafar Alakhras's Poems. Vol 1 No 36 (2023): Issue No (36) Volume (1) March ,2023

10

Alanzi Rahaf Fares, Alobaid Zainab Mohammed, Alhumoud Jumanah Basem, Almustafa Nouf Abdullah, Aslam Nousheen, knowledge, perception, and willingness of saudi population towards stem cell banking. The 6th Global Public Health Conference (GLOBEHEAL 2023) (Poster Presentation)

COMMUNITY SERVICE

MEDICINAL CAMPAIGN



On April 13th, the Community Service Committee at the Medical Laboratory Department, in collaboration with Sabeel Al Shifaa Company organized the World Health Day under the slogan 'Healthy Ramadan'. This was the second campaign during AY2022-23 after the remarkable success of the first activity on April 6th held at the same place . The campaign aimed to raise awareness of the importance and benefits of Education topics for World Health Day that included a wide variety of concerns about blood sugar levels, blood pressure, maintaining healthy meals and taking medicines at the appropriate times. Since 1950, April 7th of every year has been assigned to be the World Health Day, seeking to draw global attention to a specific health issues and highlighting high priority concerns of global health. On World Health Day 2023, the World Health Organization focused the world's attention on the necessary urgent measures to preserve the health of the people and the planet, and to promote work towards well-being-focused societies.

COMMUNITY SERVICE

Breast cancer Awareness



Breast cancer forms when abnormal cells grow in its tissue. It is one of the most common cancerous diseases affecting women, although it may also affect men. In order to educate the community, especially women, about the risk factors that increase the possibility of breast cancer, and the methods of prevention, the pharmacy department organized the Breast Cancer Awareness Day on the 2nd of March at SAIPM Co. located in the industrial area, Dammam. The activity also sought to highlight the importance of early detection, the target group, the place where the service is available, and the provision of an integrated service to combat breast cancer from detection to treatment.

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QUALITY AND DEVELOPMENT AFFAIRS

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ACADEMIC DEPARTMENTS

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STUDENT AFFAIRS

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SCIENTIFIC RESEARCH BULLETIN

Dr. Ayaz Ahmed

COMMUNITY SPOTLIGHT

Ms. Zainab Alabduljabbar



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   **MACHSCOLLEGE**