International Collaboration on Data Gathering

Project 1: International Collaboration on Cancer and Health Data – Cycas media Study

This project represents an international collaboration between Menoufia National University (Egypt) and King Saud University (Saudi Arabia) under the funding reference RSPD2024R583.

The study aimed to gather and analyze data on the anticancer and antibacterial effects of Cycas media extract, contributing to SDG 3 (Good Health and Well-being).

The research involved the collection of biological, cellular, and molecular data to assess antiproliferative and cytotoxic effects against liver cancer cell lines (HepG2), and to elucidate mechanisms related to the PI3K/AKT/mTOR signaling pathway. The project generated valuable health-related data that support the understanding of cancer prevention and therapy mechanisms.

Title of Publication: Anticancer Effect of Cycas media: Molecular Basis Through Modulation of PI3K/AKT/mTOR Signaling Pathway

Journal: Molecules (MDPI), 2024, Volume 29, Issue 21, Article 5013

Funding: Researchers Supporting Project number (RSPD2024R583), King Saud University, Riyadh, Saudi Arabia.

Related SDG: SDG 3 – Good Health and Well-being

Project 2: International Collaboration on Clinical Data for SDG 3 – Diabetic Foot Insole Study

This international collaborative project between Menoufia National University (Egypt) and Princess Nourah Bint Abdulrahman University (Saudi Arabia) aimed to collect and analyze clinical data on diabetic foot ulcer management, aligning with SDG 3 (Good Health and Well-being).

The study focused on gathering medical and biomechanical data related to plantar pressure distribution and the impact of customized foot insoles in patients with neuropathic diabetic foot ulcers. Data were collected through a prospective, randomized, double-blinded, controlled clinical trial involving 60 patients. The collaboration enhanced data quality and contributed to evidence-based strategies for diabetic foot care.

Title of Publication: Effect of Foot Insole on Planter Pressure Distribution in Patients with Neuropathic Diabetic Foot Ulcer: A Prospective, Randomized, Double-Blinded, Controlled Clinical Trial

Journal: Medicina (MDPI), 2024, Volume 60, Issue 12, Article 2066

Funding: Princess Nourah Bint Abdulrahman University (Grant Number PNURSP2024R117)

Related SDG: SDG 3 – Good Health and Well-being

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