

Health Care Breakthroughs: Learning Through Global Partnerships

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Introduction

Advances in technologic methods are vital in the health care field.

New ideas, research and inventions give rise to major discoveries which benefit patients through improved delivery of health care.

This is especially important when these advances are shared among the global medical community.

Global health care missions not only involve hands on teaching and medical care of populations, but also educational opportunities regarding health care advances that other sites in the world are utilizing.

Technologic advances observed at global sites often have significant impact regarding the discovery and manufacturing of pharmacologic interventions.

One such that has made major advances in the health care field through automation is located in Petach Tikya, Israel



Conference in Hadassah Medical Center, Israel

In addition to both providing state of the medical care, global travel provides US medical professionals the opportunity to deliver continuing medical education talks and to listen to them.

Hadassah Medical Center is a health care leader in many areas, including maternal fetal medicine and ophthalmology.

Data suggest that some patients with macular degeneration will have sight maintained through discoveries made at that site.



Jerusalem, Israel



Dr. Bachmann and Dr. Sharma

Pharmacologic Contributions

There are many pharmaceuticals plants in Israel who are active in R&D

The site in Petach Tikya has become one of the world's largest generic drug manufacturers.

Generic drugs fill a global need in providing low cost medications.

This site utilizes the latest technologic advancements in manufacturing, packaging and distribution of generic medications that have applicability to sites throughout the globe



The newly built Sarah Westman Davidson Tower at Hadassah Medical Center, Jerusalem, Israel. It has state of the art equipment, 500 beds and 19 stories (5 of which are underground)



Hadassah Medical Center, Jerusalem, Israel

Students Enriched

Students are enriched with the new information and new technologies that are introduced to them, not only through their global travel, but also through the travel of their mentors.

By learning how medicine is practiced in other countries and the research and technological advances that are occurring, students are introduced to new approaches to medical practice.

Global Collaboration

- Data from the Ministry of Industry, Trade, and Labor, report that the number of Israeli researchers engaged in scientific and technological advancements, and the funds spent on research and development in relation to gross domestic (GDP), is the highest in the world
- Israel contributes the highest number of scientists, technicians, and engineers per capita in the world with 140 scientists, technicians, and engineers per 10,000 employees versus 85 per 10,000 in the US.
- Collaboration with other countries through global missions can improve and benefit health care throughout the world with these technological advancements.

Conclusions

Global health benefits and continues to benefit through the advances in medical technology that other countries provide to the world.

These advances can improve and expedite the change in healthcare necessary to achieve better health care for all global citizens.

Due to the recent improvement in air travel, as well as the utilization of the internet era and remote robotic surgery, communication and collaboration is easier between all of the countries of the world.

Through global collaborations and travel, attending physicians and their students benefit from the education provided by non-US sites.