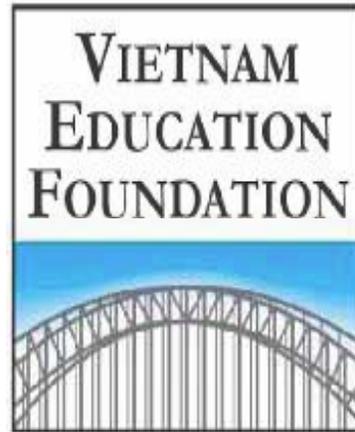


Fundamentals of Clinical Surgery



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Disclaimers



No commercial interests

Background

- Investment in Vietnam's medical infrastructure
 - Improve general welfare of its citizens
 - Healthy workforce-→> strong economy

Why Surgery?

Surgery and Global Health

- The neglected stepchild of global health

Paul E. Farmer and Jim Y. Kim

World J Surgery 32:533-536, 2008

Surgical Conditions as Global Public Health Issue

- Surgical conditions constitute a substantial global burden of disease (Haile Debas)
 - **A third of diseases in developing countries are potentially treatable by surgery**
- Surgical burden is led by
 - Injuries, malignancies, congenital anomalies, pregnancy complications, cataracts, and perinatal conditions

Plos Medicine 2008;5:1165-7

Why Surgery

- Global disparities
 - 234.2 million major surgical procedures worldwide
 - 30% of world's population receiving 73.6% of these procedures
 - Poorest third receiving only 3.5%

Weiser et al., Lancet 208;372:139-44

Why Surgery?

- Surgery can be cost-effective
 - Cost per surgical DALY (disability-adjusted life years) averted = **U.S. \$33**
 - Cost less than cost of 2 movie tickets plus food to avert loss of a life in a third world country
 - Cost per integrated management of childhood disease DALY averted = **U.S. \$39**

**Debas et al, Disease Control Priorities in Developing Countries. World Bank, Washington DC*

**Ivers et al, World J Surg 2008;32:537-42*

Fundamentals of Clinical Surgery

- Interactive televideoconferencing course
- Teaches VN trainees
 - Critically analyze data
 - Synthesize cogent plan of care
- Evidence-based medicine, problem-based learning

The Approach

- Thai-Binh Medical University (TBMU: 30 miles from Hanoi)
 - 1.8 million people in Thai-Binh
 - LSU-Health Sciences Center-Shreveport
 - Quyen D. Chu, M.D., F.A.C.S.
 - UC-Davis School of Medicine
 - Hung S. Ho, M.D., F.A.C.S.

Capacity Building

- Infrastructure Support
 - Over \$12,000 textbooks to be donated to school
 - Over \$18,000 Surgical Supplies and Equipment
 - Over \$12,000 Donated from LSU
 - \$20,000 Equipment from Covidien
 - \$1,000 Sutures from Ethicon
 - Over \$45,000 professors' volunteer effort
 - Donate unused surgical supplies

Capacity Building

- Establish a bridge between Vietnam and U.S. medical schools
 - October 2010: Thang Long's Celebration
 - Medical Assistance Trip with International College of Surgeons to VN

Future Relationships & Sustainability

- Strong support and enthusiasm from:
 - Chancellor & Chairman of Department of Surgery
 - Other Departments (i.e. Anesthesia, Oncology)
 - Pharmaceutical & Medical Companies
 - Communities
- Plan
 - Involve legislators
 - Annual Fundraising events
 - Establish Endowment Fund

Endowed Chairmanship

- Create an Endowed Professorship: \$1,000,000
 - \$600,000 needs to be raised
 - \$400,000 match by state of Louisiana
 - \$1,000,000 principal cannot be spent
 - Principal invested and earnings may be expended on an annual basis
 - Earnings used to support efforts in capacity building in VN

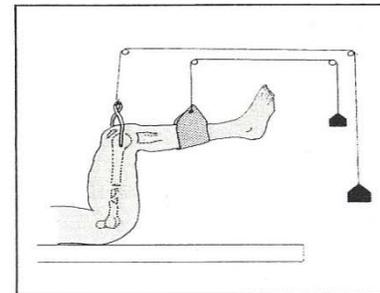
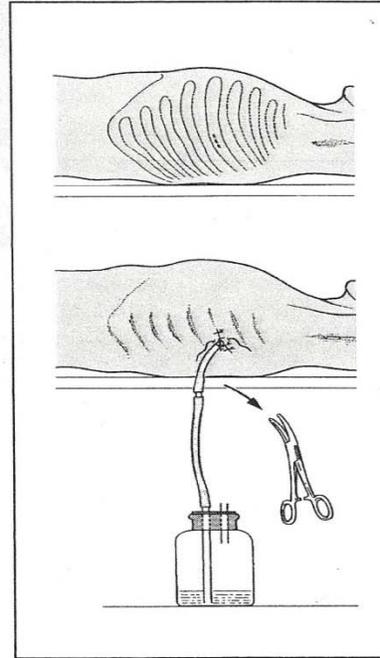
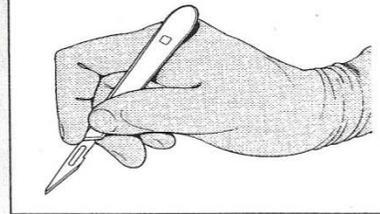
Future Relationships & Sustainability

- Exchange of Students and Faculties
 - U.S. Faculties and U.S. Surgical Residents
- Sponsor a VN student and a faculty to an annual academic surgical meeting in the U.S.
- VN student to spend a year in our laboratory



Pedro Lira. 1902.
Museo Nacional de Bellas Artes, Santiago, Chile

Surgical Care at the District Hospital



World Health Organization

“ To reap a return in 10 years, plant trees, to
reap a return in 100, cultivate the people”

Ho Chi Minh, 1958