The Chicago Studio  
Health and the City  
Spring 2017

ARCH 572 Spring 2017  
Prof. William Worn, AIA, LEED AP, EDAC  
“Health and Equity: a hospital in Jahra”

Practice Critics:  
Sheila Cahnman, President, JumpGarden Consulting, Visiting Lecturer  
R. Todd Eicken, Sr. Vice President, HDR  
Doug King, AIA, Healthcare Principal, Emeriti, Stantec, Visiting Lecturer

Summary  
Multiple forces are converging to create a healthcare crisis in Kuwait. The first is the unprecedented spike in the number of Kuwaitis suffering from obesity, heart disease, cancer, diabetes and other common chronic non-communicable diseases. 76% of all deaths in Kuwait are now attributable to a non-communicable disease. The second is the move to create a segregated healthcare system in which Kuwaiti citizens and expats receive healthcare in dramatically differing forms. Currently 69% of all the residents of Kuwait are expats. The third is a rapidly aging population in need of specialized healthcare.

Opportunity  
A new private Medical City is planned for the City of Jahra. The Medical City is in response to overall population growth; the move of ex-pats from public to private healthcare settings and an increasing elderly population; and an overall increase in cases of non-communicable disease. The Medical City is currently being Master Planned by CannonDesign.

Program  
In response to the rapidly growing need for hospital and ambulatory care this studio will design a Western style general hospital in Jahra, Kuwait. The hospital program will include inpatient care; diagnostic and therapeutic services; administrative and public areas; support services; and outpatient clinics accommodated in approximately 1,100,000 GSF. The program for the Medical City contains a private, General Hospital with Centers of Excellence, Outpatient clinics, Support Services and Laboratory functions. Though inpatient beds will focus on select specialties and services related to the centers of excellence, the medical city will serve a full range of specialties in its ambulatory clinics.

Site  
The project site for this new Medical City is located within the city of Jahra, which is located roughly 20 miles West of Kuwait City. Jahra is the capital city of the government district Al Jahra. Al Jahra is the largest government district of Kuwait. It is home to the majority of the agriculture and desert landscape in the country, as well as large amounts of industry.

Issues  
Students will learn contemporary hospital design best practices with emphasis on the specifics of clinical flows; patient safety; access to nature; the place of advanced clinical technologies; and evidence based design interventions. Additionally, the implications of gender segregation will be examined within a culture of growing economic inequity.

Teams  
Students will work in teams of two (2) or three (3).

Deliverables  
Mid-term and final reviews will be held in the Chicago Studio with multiple healthcare architects acting as reviewers. Final deliverables for the studio will be a self-published book. The book will be distributed to all Practice Critics and healthcare architecture firms assisting in the studio.

Thanks  
Many thanks to CannonDesign for sharing their design and programming work for the Jahra Medical City. This studio is built upon the foundation of their outstanding work.
Health and Equity in Kuwait: a hospital in Jahra

ARCH 572
Professor: William Worn

The Chicago Studio
Health and the City
Spring 2017
The Issue: #1

Expat healthcare in Kuwait has been a contentious issue in recent times, with the government looking at implementing policies of segregation for local and foreign patients, as well as local and foreign medical staff, at public health facilities. Separate but equal healthcare for Expats is being proposed.

2 out of every three people in Kuwait are Expats.
The Issue: #2

An unprecedented spike in the number of Kuwaitis suffering from obesity, heart disease, cancer, diabetes and other common chronic non-communicable diseases.

76% of all deaths in Kuwait are now attributable to a chronic disease.
The Response
The PIFSS Medical City
Jahra, Kuwait
Master Planning by
CannonDesign
The Studio: Program

A General Hospital in the PIFSS Medical City

Approximately 400 beds
1,000,000 GSF
Heart and Vascular Center of Excellence; a Respiratory Center of Excellence; an Orthopedics Center of Excellence; and a Gastrointestinal Center of Excellence
Teaching Team

Doug King, Healthcare Principal, Stantec

R. Todd Eicken, Sr. Vice President for Healthcare, HDR

Sheila Cahnman, AIA, President, JumpGarden Consulting

Carson Shearon, International Strategies Leader, Cannon Design
Teams

Students work in teams of two or three

Mid-term and Final Reviews

At Stantec/The Chicago Studio
224 S. Michigan Avenue, Chicago
With Healthcare Professionals as Reviewers
Outcomes

Students will learn contemporary hospital design best practices with emphasis on the specifics of clinical flows; patient safety; access to nature; the place of advanced clinical technologies; and evidence based design interventions.

Issues of gender equity, health equity and population health will also be addressed in student proposals.