**DISEASE ISOLATION TREATMENT PREVENTION IN AREAS PRONE TO WAR**

**Symptoms**
- Fever >38°C
- Shortness of Breath
- Coughing
- Difficulty Breathing
- Diarrhea
- Kidney Failure

**Protection**
- Wash hands often with soap and water
- Cover nose and mouth with tissue when cough or sneeze
- Avoid touching your face with unwashed hands
- Avoid close contact with sick people
- Regularly clean frequently touched surfaces
- Make sure children follow these precautions

**1st case of MERS in Saudi Arabia**

**Numbers of Refugees**
- In Syria
- To other regions
- Out of Syria
- To other countries

**2011**
- March
- Report of Camels with MERS
- Death
- Mutation of the virus can infects human

**2012**
- April
- Islamic State started to appear in Syria
- Destroyed houses
- Camel infect human
- Middle East

**2013**
- 10 reported cases
- 4 deaths
- 171 reported cases
- 68 deaths

**2014**
- 944 reported cases
- 348 deaths
- +39% Mortality rate
- Spreading of the virus to other countries
- 4,270,000 Refugees in Syrian regions

**2015**
- 12,200,000 persons in need of humanitarian assistance in Syria
- 7,600,000 internally displaced persons in Syria
- Over 3,200,000 Syrians have taken refuge in to neighboring countries

**Current living situation**
- People live in public parks
- Refugees in destroyed houses

**MERS Hosts?**
TRANSPORT TO THE SITE
EASY TO CARRY

FOLDING SYSTEM OF THE SKIN WALL

1. CHECK UP ROOM
2. ISOLATION ROOMS
3. CORRIDOR
4. LABORATORY
5. MASK WALL
6. INFORMATION ROOMS

CHECKPOINT

1:50 FLOORPLAN

HINGE DETAIL

1. CHECK UP ROOM
2. ISOLATION ROOMS
3. CORRIDOR
4. LABORATORY
5. MASK WALL
6. INFORMATION ROOMS

FOLDING SYSTEM OF THE SKIN WALL

a. UNLOADING IT FROM THE TRUCK
b. PUT AS MANY UNITS TOGETHER AS YOU NEED
c. ADJUST LEGS
d. PUT THE 1ST WALL INSIDE
e. PUT SMART WALL INSIDE (WITH ALL THE EQUIPMENT INSIDE)
f. FOLDING ON THE 1ST SIDE OF THE SKIN WALL
g. FOLDING ON THE 2ND SIDE OF THE SKIN WALL
h. FOLDING THE LAST SKIN WALL SIDE
   > UNIT IS DONE!
i. EASILY ADD MORE UNITS

1ST LOCATIONS

TRAIN STATIONS
BUS STATIONS
PUBLIC PARKS

> THE CHECK POINTS WILL BE IN THE MOST CROWDED PLACES IN THE CITIES

2ND CHECKING SYMPTOMS IN DOCTOR’S ROOM

PATIENT GETS A MEDICAL N95 MASK
> THE DOCTORS DO THE FIRST CHECKUP TO CHECK IF THE PERSON HAS ANY OF THE 6 SYMPTOMS

3RD TAKING TESTS IN THE ISOLATED UNITS

NASOPHARYNGEAL SWAB FOR MERS-CoV TEST
BLOOD TEST
SPUTUM TEST

> IF THE PERSON HAS MORE THAN ONE OF THE SYMPTOMS, THE PATIENT STAYS IN THE ISOLATED UNIT
> DOING NASOPHARYNGEAL SWAB FOR MERS-CoV, BLOOD, SPUTUM, OR/AND STOOL TEST TO CONFIRM
MATERIALS, TECHNICAL EQUIPMENT

> SKIN WALL
EPS Sandwich Panels with Fibreglass

> SMART WALL
Include all needs equipment

PATIENT WALL
- Cotton
- Power Outlet
- Power Outlet
- Cabinet for the Patient
- Patient Monitor
- Cabinet
- Mattress

LABORATORY WALL
- Microscope
- Power Outlet
- Laptop
- Cabinet Equipment

TOILET WALL
- Sanitizer
- Power Outlet
- Cabinet
- Mattress
- Mattress

FAMILY WALL
- Foldable Table
- Sanitizer
- Power Outlet
- Cabinet

KITCHEN WALL
- Water Input
- Water Output
- Sanitizer
- Power Outlet
- Painter

SMART WALLS
- Patient Wall
- Toilet Wall
- Family Wall
- Shower Wall
- Kitchen Wall

UNITS ARE EASY TO EXTEND
A. Patient with MERS
B. Patient Probably with MERS
1. Bathroom
2. Doctor Changing Room
3. Patient Room
4. Storage
5. Kitchen
6. Staff Canteen
7. Toilet
8. Shower
9. Doctors or Staff Bedroom
10. Courtyard

TREATMENT CENTRE
- The isolated unit will be added to another unit to build one patient room
- The treatment center includes two types of patient rooms:
  A. Has the virus
  B. Has the symptoms
- Making more test to be sure the patient has no MERS

REFUGEE CAMP
- Families stay in refugee camp
- Families rooms
- Kitchen
- Toilet

TRANSPORT OF THE PATIENTS TO THE TREATMENT CENTER
- The test will show positive or negative results
- Both cases will be transported in the isolated unit to the treatment center

15 days

STAYS IN ISOLATION AREA TREATING THE SYMPTOMS

- MAKING MORE TEST TO BE SURE THE PATIENT HAS NO MERS

FAMILIES AND REFUGEE CAMP
- The units also can be used to accommodate families
- Whether in the treatment center or designing a new refugee camp

1:500 FLOORPLAN

4TH TRANSPORT OF THE PATIENTS TO THE TREATMENT CENTER

5TH TREATMENT CENTER

6TH FAMILIES AND REFUGEE CAMP