



SHAHEED ZULFIKAR ALI BHUTTO
INSTITUTE OF SCIENCE AND TECHNOLOGY



CLINICAL DIAGNOSTIC SAMPLING

GHARO

08th October, 2010



SZABIST Solar Energy Research Station

**Government Primary Mosque
& Middle School Jaffer Jokhio Dhabeji**



SCRC Field Trip Team:

The selected SCRC team comprised of Dr. Izhar, Dr. Bushra, Asma Bashir, Saima Ilyas, Shahab Mehmood and Mohammad Aleem Akhter.



Overview of Field Trip Activities:

The survey and the blood collected activity in Gharo was scheduled on 08th October, 2010. The following activities were planned for the trip:

1. Visit to SZABIST Solar Energy Research Station.
2. Visit to Government Primary Mosque & Middle School Jaffer Jokhio Dhabeji, Gharo.
3. Collection of blood samples.
4. ABO Typing.
5. Thalassemia Test.
6. Hepatitis A/B/C Test.
7. HIV test.

Diagnostic Test Report:

Blood samples were collected from 08 males & 14 females of different age groups, average in between 20-80 years old. All participants specially females are suffering from malnourishment because of lack of availability of fresh food & other supplements are not in practices, poor hygienic conditions. 25% males are suffering from heart congestion, **25% males with blood pressure & rest** have complained of tiredness. Dietary deficiency has also seen in females, **50% females have irregular heart beat** or palpitation, digestive problems also common in these women. One of the female is suffering from cancer so

no blood was collected from her. Lack of appetite also common among them. One of the female (patient 4) suffering from teeth problem having teeth bleeding.

Diagnostic test (**ABO TYPING, THALASSEMIA, HEPATITS B, HEPATITS C& HIV**) indicates that although all of them suffering from malnourishment 99% of the participants are THALASSEMIA, HEPATITS B, HEPATITS C & HIV negative. **Only one patient is hepatitis C positive.** Blood typing report indicates that blood group A & O are very common among them whether they are male or female. The most reason the common blood group is that they are usually practice intermarriages (marriage among cousins).

Statistical Analysis:

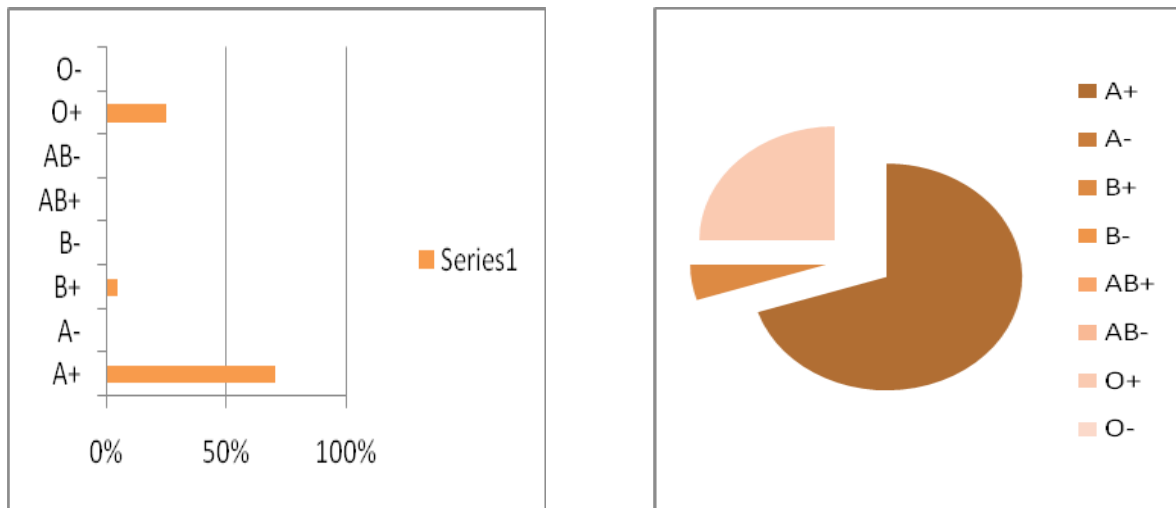


Fig: Graphical representation of ABO Typing

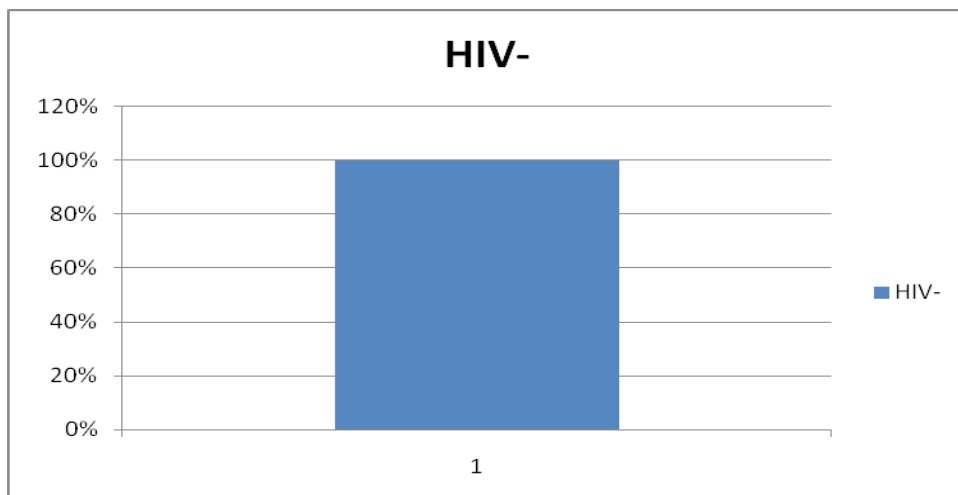


Fig: Graphical representation of HIV Test

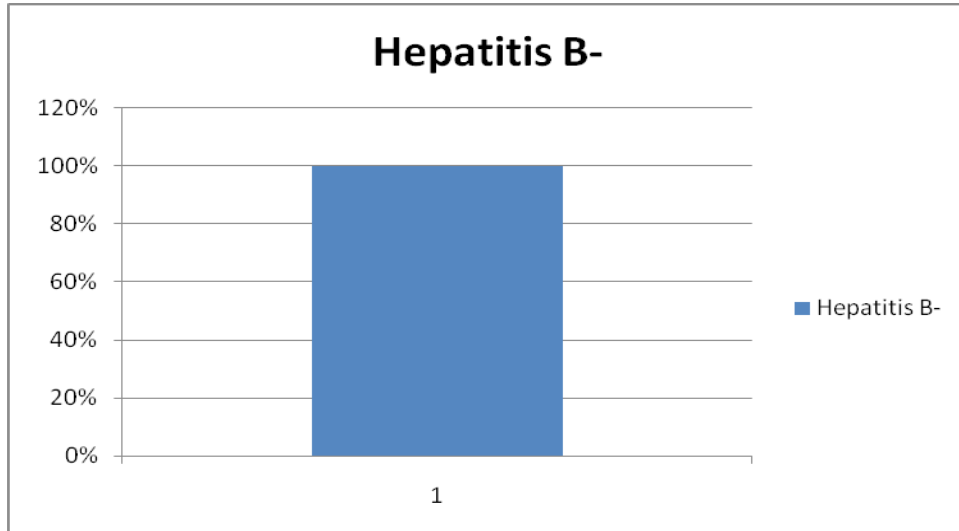


Fig: Graphical representation of HBV Test.

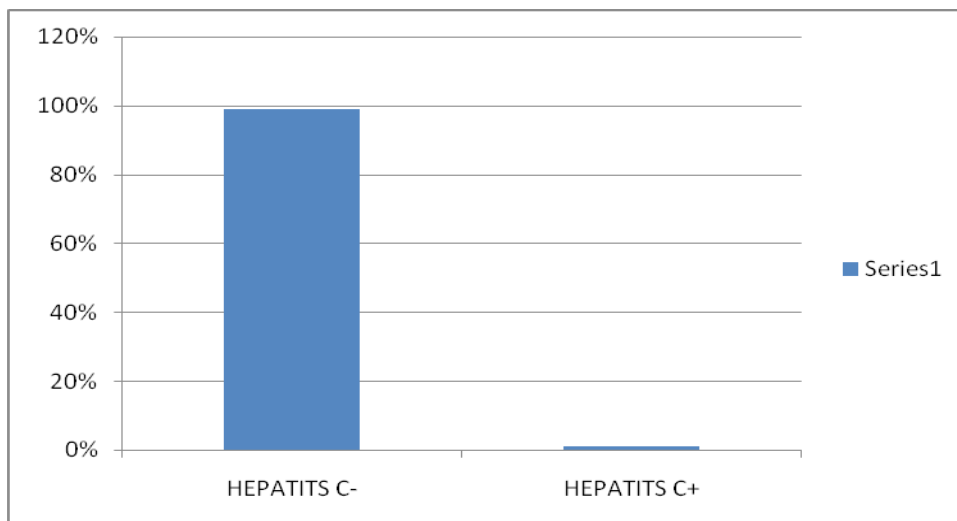


Fig: Graphical representation of HCV Test.

