

ZIV MEDICAL CENTER

Renal Dialysis

July 2018



Ziv Medical Center, Zefat, Israel

Catchment Area



Borders: Syria (aerial distance 30 km/19 miles); Lebanon (aerial distance 11 km/7miles)

Ziv Medical Center

Ziv Medical Center, a general hospital in the north of Israel, located in Zefat, serves the Upper Galilee and northern Golan Heights. Ziv's multi-ethnic patients include Jews, Muslims, Christians and Druze, as also reflected in its multi-ethnic staff. The hospital, in its current location, opened its doors in 1973 and has grown steadily over the years.

Ziv's comprehensive services now include 331 in-patient beds, laboratories and imaging facilities, out-patient clinics, a regional trauma unit, a new Child Health Center, mental health services for adults and children, a nursing school and a research center. A Radiotherapy Institute was opened in June 2017, and a PET-CT Institute was inaugurated in April 2018. Ziv Medical Center has been designated to develop comprehensive oncology services for the entire Galilee region.

The hospital is affiliated with the Bar Ilan University Faculty of Medicine which opened in Zefat in 2011. This academic affiliation serves to strengthen Ziv's role in training physicians and increasing research capacity, while it has brought high quality medical and academic professionals to take senior positions in the hospital. In June 2017, Ziv Medical Center received accreditation from the Joint Commission International Standards for Hospitals. Ziv is committed to providing high quality care to the population at all times.

Renal Dialysis at Ziv Medical Center

The Renal Dialysis Unit at Ziv has 18 stations, with a patient load of 83 adults. The number of stations is currently not adequate for the needs of the Ziv catchment population, and patients with less serious stages of chronic kidney disease (CKD) are referred to other renal dialysis services in the region.

The main reasons for renal dialysis at Ziv are Diabetes, accounting for 60% of the patients, hypertension, accounting for 20%, glomerulonephritis accounting for 10% and CKD due to congenital and other causes, accounting for 20% of patients.

Of the 80 patients now receiving dialysis, 48% are in the 20-64 year old age group, while 52% are over 65 years old.

The Ziv Renal Dialysis Unit operates 6 days a week, from 7.30 – 17.00 on Sunday – Friday. The maximum number of patients each day is 36, if all 18 stations function well.

According to the National Registry of Kidney Disease in Israel, the rate of persons requiring renal dialysis was 18.7/100,000 population in 2010, with an increase from 13.7/100,000 in 1990. The increase is attributed to three main factors: an increase in

need among patients in the 45-54 age-group, increased survivorship and longevity, and the increase in need in the Arab and Druze population sectors. The latter is related to the increase in obesity and chronic diseases, mainly diabetes Type 2 and hypertension in the Arab and Druze sectors. An increase in kidney transplants among adults has been very slow due to difficulties in obtaining organ transplants in Israel. All the health funds are now making vigorous attempts to prevent obesity, diabetes Type 2 and hypertension and to significantly reduce the need for renal dialysis, which would at least enable Ziv to meet the demand in its catchment area. Ziv has enlarged its Nephrology Clinic intake to deal with patients at a high risk of needing dialysis, and has recently recruited a vascular surgeon to enable the optimal shunt method to link to the dialysis machines.

There is an urgent need to upgrade the water filtration system to a high flux system and shift from regular hemodialysis to hemodiafiltration, as now operational in Nahariya and Rambam Hospitals. This calls for a change in the dialysis machines through an innovative leasing arrangement with the suppliers of the fluids.

The priority now is to upgrade the water filtration system to enable dialysis with the new hemodiafiltration technology. This technique will increase the quality and safety of the treatment.

Funding Request

The cost of the new water filtration system is approximately \$300,000 annually, for around 12,000 treatments.

The new leasing arrangement, currently under consideration, will provide 25 dialysis machines.

Ziv Medical Center is requesting a sum of \$150,000 and will provide matching funds for the additional amount.

Donor Recognition

Ziv Medical Center will be honored to provide the donor with a plaque which will be placed in the Renal Dialysis Unit. The text for the sign will be designed in coordination with the donor.

For further information, please contact:

Ms. Linda Futterman, Coordinator, International Relations
linda.f@ziv.health.gov.il; Tel: 972-4-6828662, 972-508434137
www: Ziv.org.il