

**Rotary**



## **GLOBAL GRANTS PROJECT– Rotary Club de Lençóis**

**Paulista - Cidade do Livro - District: 4621 – São Paulo –  
Brazil Renal**

**Hemodialysis Institute "Lençóis Paulista"**

### **1. Introduction:**

In the early 1900s, the society of Lençóis Paulista suffered from the absence of an institution that could treat its patients, who were then taken to the hospital of Agudos. Thus, 75 years ago, by the disposition of some high-hearted citizens, the desired reality came true with the construction of the Nossa Senhora da Piedade Hospital.

The city has grown, just like the Hospital, and its difficulties and challenges, notably to enable better conditions to the quality of health of citizens.

Nowadays, visiting the facilities of the Charity Association of Nossa Senhora da Piedade Hospital of Lençóis Paulista, members of the Rotary Club de Lençóis Paulista - Cidade do Livro were able to see the important and significant work developed by the Hospital in the fight against many kinds of diseases, especially through the use of medical activities that strengthen the public health system in Lençóis Paulista and in its region.

Just like 75 years ago, when the construction and maintenance of a hospital were fundamental and indispensable for the society of Lençóis Paulista, it has been diagnosed today that urgent actions to meet new needs are emerging, and it is specifically cited, the chronic kidney disease (CKD), in view of its increasing prevalence and high incidence of morbidity and mortality.

As it is a progressive disease, it is often necessary to perform renal replacement therapy (hemodialysis, or peritoneal dialysis) which brings great suffering to patients and requires high cost, especially for the public health system, since 90% of this type of therapy is supported by the government.

Currently, the public health system patients from Lençóis Paulista, Macatuba, Pederneiras, Areiópolis, Agudos and Borebi are sent to Bauru, which has two service locations, and in the city of Promissão, with a service location.

The hemodialysis machine acts as a filter that removes excess water and toxins from the blood in an attempt to play the role of the kidneys.

The city of Lençóis Paulista urgently needs hemodialysis machines that keeps advanced chronic kidney disease patients alive, since these patients need to undergo treatment 03 times a week.

## **2 – Justification**

This is a Humanitarian Project, which is justified because it is fully in line with one of the areas of focus of The Rotary Foundation - DISEASE PREVENTION AND TREATMENT.

Currently the various national hemodialysis services attend approximately 80,000 chronic renal patients, a number that tends to increase due to the low number of patients undergoing kidney transplant in our country. Generally speaking, patients with chronic kidney disease (CKD) require three weekly sessions, and according to the Brazilian Society of Nephrology, there is a deficit of 3,500 to 4,000 vacancies per year in hemodialysis services.

In Lençóis Paulista, patients are taken to the city of Bauru, 50 km away and to the city of Promissão, 170 km away, and most of the 45 patients from Lençóis Paulista are driven to Promissão, and it is emphasized that the procedures should be performed 03 times a week.

### **The Charity Association**

The Charity Association “Nossa Senhora da Piedade de Lençóis Paulista” is a philanthropic hospital that serves predominantly the health public system (SUS) patients. The construction of a hemodialysis center in an off-site area has already begun for some time. To date, the funds come from the Municipal Government and the Federal Government, and R\$ 400.000,00 were used for the adaptation of the facility, and R\$ 150.000,00 for the construction of a water treatment system.

For the treatment activity of CKD patients to be initiated, it is necessary to acquire hemodialysis machines. The Lençóis Paulista project, which is entitled “Lençóis Paulista Hemodialysis Institute!”, was planned to receive 10 machines, which will allow up to 120 patients working in three shifts. Each one of these machines have a cost in the domestic market of R\$ 47.000,00, which totals R\$ 470.000,00 for the acquisition of 10 machines.

Thus, the 10 machines are justified because it is designed to care for patients from the Lençóis Paulista microregion: Agudos, Areiópolis, Borebi, Macatuba and Pederneiras, as well as Lençóis Paulista itself. The five municipalities together have a population of 185.000 people

## The Hemodialysis Institute



ASSOCIAÇÃO BENEFICENTE HOSPITAL  
N. SRA. DA PIEDADE  
C.N.P.J. 51.425.106/0001-78



## Hemodialysis Institute plan

Planta



### **3 – Subject of the Project**

Acquisition of hemodialysis machines: Nipro Diamax hemodialysis equipment - Full



### **4 – Expenses Plan**

Equipment	Quant	Unit value	Total value
Hemodialysis machine NIPRO DIAMAX FULL	10	\$11,163	\$111,638.95