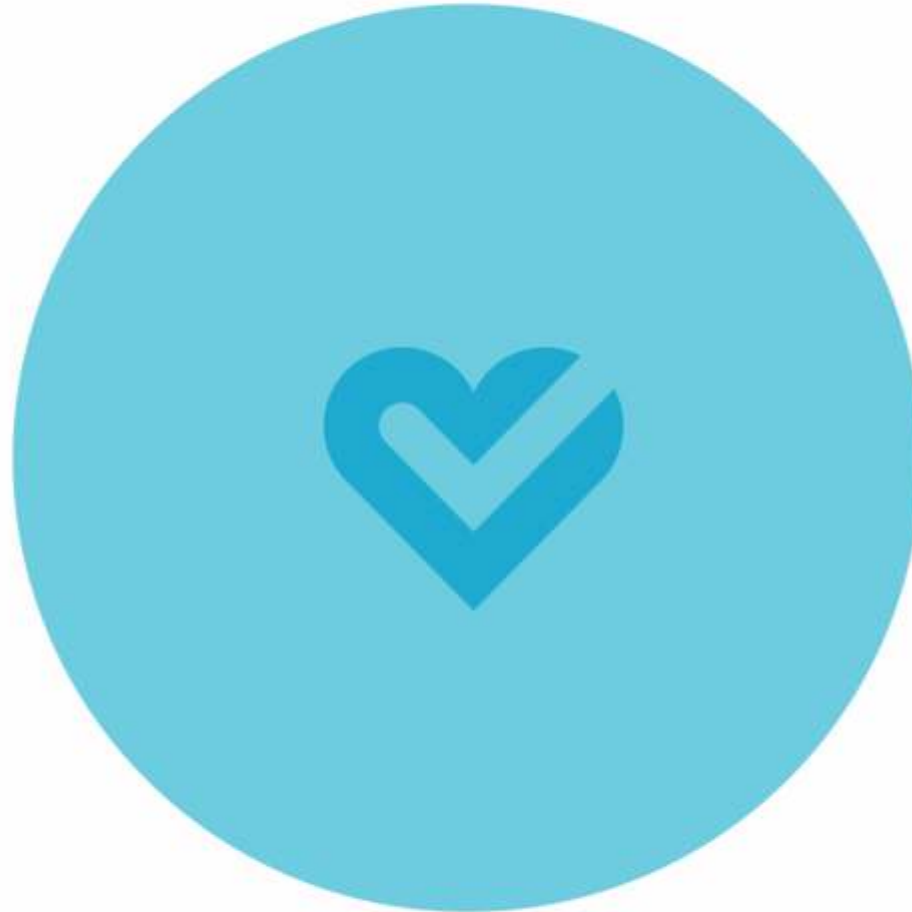


گروه



The responsibility of the **SALAM Group** is finding out, understanding and responding to the needs of the healthcare and treatment of patients.



SALAM Group's vision is; redesigning of the healthcare cycle. In such a way that, the most important challenges of the healthcare system turn into its most prominent advantages.

SALAM Group (Kar Afarinan Eghtesadi Salam Company), initiated an enterprise in the field of health care in 2013, with the participation of a number of experienced executives with diverse industry backgrounds; by investing in **Arya Teb Firouz Knowledge-Based Company (ATF Co.)** with the aim of designing, developing and manufacturing hemodialysis machine.



SALAM Group Subsidiary & Affiliated Companies

Field of Medical Equipment

Arya Teb Firouz Knowledge-Based Company (ATF Co.): The field of activity of this company is the design and manufacture of dialysis equipment. At present, the products of this company are the ATF1022 Hemodialysis Machine and the Reverse Osmosis (RO) Water Purification Equipment for Medical uses, in two Models, Portable Avisa100 and Fixed (Central) Avisa1600, of which a number of dialysis centers in Iran and outside Iran are using these equipment.

Fanavaran Salamat Taam Company (FANTAAM Co.): The field of activity of this company is the design and semi-industrial manufacture of consumables used in Cardiovascular Surgeries.

Field of Digital Health

Tosseh Modiriati Affagh Salam Company (TA'MAAS Co.): The field of activity of this company is the design and production of a management dashboard for health centers. The first product of this company is the “Dialysis Centers Management Dashboard”, which is being used in SALAM Group Dialysis Centers. The TA'MAAS Company also provides “Process Management Consulting Services” to the SALAM Group Subsidiary & Affiliated Companies.



Field of Medical Services

Ra'yehe Sepehr Salam Company (SALAM Dialysis Centers):

The field of activity of this company is the Establishment and Equipping of Dialysis Centers and providing Dialysis Services to Renal Patients. The company currently has four Active Dialysis Centers with 60 beds in the Provinces of Tehran, Alborz, Qom and the City of Herat in Afghanistan, which provide the Renal Patients with Hemodialysis Treatment, and within the next few months, with the development and equipping of four other Dialysis Centers, with the capacity of 80 beds in the Provinces of Tehran and Alborz, the capacity for Dialysis Centers will reach 140 Dialysis Beds by the end of September 2019.

Field of Medical Drugs

Darousazi Taha Company: The field of activity of this company is the production of final products for semi-solid drugs and active ingredients of hormonal drugs. The company began its work with the production of four molecules of, Betamethasone Valerate, Hydrocortisone, Medroxyprogesterone Acetate, and Progesterone, and now it is possible to produce other substances such as Conjugated Estrogens, Methylprednisolone, and Prednisolone.



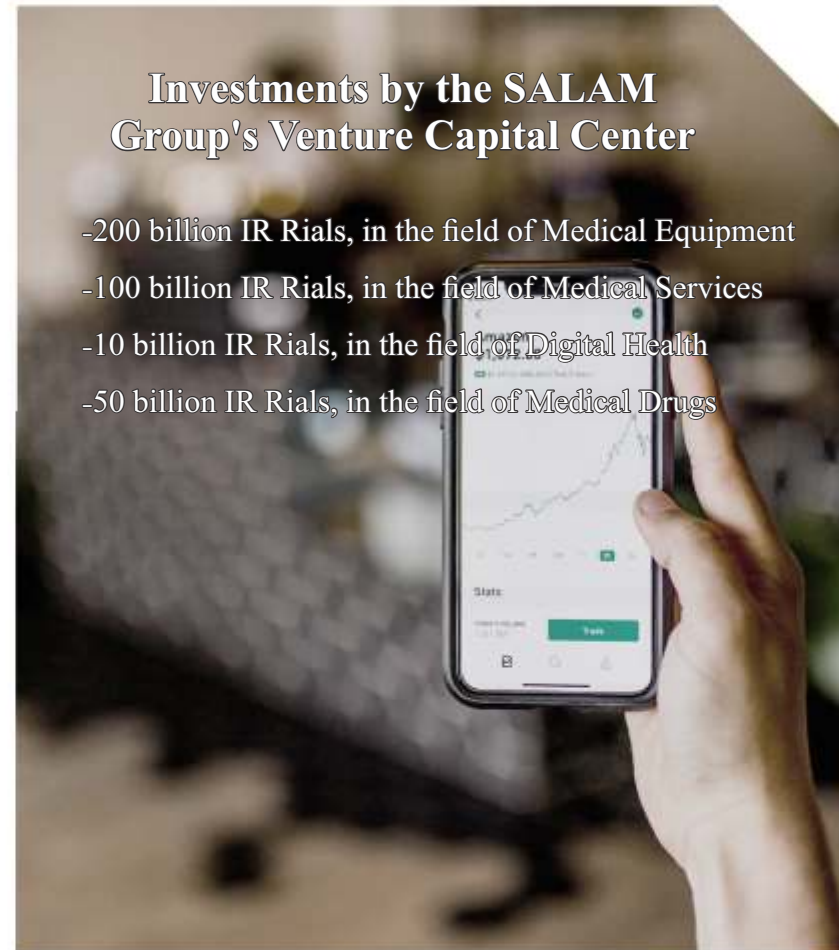
The SALAM Group's Research Center's achievements

- Attaining and localizing the Technical Knowledge for Hemodialysis Machine
- Designing and Development of the Reverse Osmosis (RO) Water Purification Equipment for Medical uses, in two Portable and Fixed (Central) Models.



Investments by the SALAM Group's Venture Capital Center

- 200 billion IR Rials, in the field of Medical Equipment
- 100 billion IR Rials, in the field of Medical Services
- 10 billion IR Rials, in the field of Digital Health
- 50 billion IR Rials, in the field of Medical Drugs





The SALAM Group's Research Center's Current Projects

- Design and Development of HDF Hemodialysis Machine
- Design and Development of Special Chair for Dialysis Patients
- Design and Development of Special Chair for Dialysis Patients with the ability to continuously monitor the patient's weight
- Design and Development of the Dialysate Fluid Tester
- Design and Development of the Sphygmomanometer (Blood Pressure Meter, Blood Pressure Monitor, or Blood Pressure Gauge), that can be connected to the Hemodialysis Machine
- Design and Development of the Blood Viscosity Measuring Device
- Designing a Registry System for Iranian Hemodialysis Patients
- Defining the Process for developing a Computer Recognition System for Medical Records

The SALAM Group's Venture Capital Center's Future Plans


- 200 billion IR Rials, in the field of Medical Equipment
- 400 billion IR Rials, in the field of Medical Services
- 100 billion IR Rials, in the field of Digital Health
- 50 billion IR Rials, in the field of Medical Drugs









A woman wearing a black hijab and glasses is focused on working on a circuit board. She is using a green-handled screwdriver to adjust a component. On the table in front of her is a yellow multimeter with red and black probes connected to the circuit. Several green and silver cylindrical components, possibly capacitors or small batteries, are scattered on the table. The background shows a laboratory or workshop environment with various equipment and a flag on the left.

The successful experience in Designing, Developing, and Manufacturing of the Hemodialysis Machine with advanced technologies, in the **ATF Co.** in early 2013, has paved the way for attaining other Technologies in the Field of Dialysis. The **SALAM Group** initiated expanding its activities to other Fields of Medical Equipment, relying on the achievements of the **ATF Co.** The result of this expansion is, founding the **FANTAAM Co.**, in 2018 for Design & Development and Manufacturing of equipment used in Cardiopulmonary Surgery.

The prospects for further development of the SALAM Group Medical Equipment Division, are based on the special regards, given by the executives of this enterprise, to the high level of capabilities and the deep scientific knowledge of the young Iranian generation, in the two major areas, defined below.

- Designing and Manufacturing the medical equipment needed in the country and the regional markets.
- Supporting the Knowledge-Based and Technological Designs in the field of Medical Equipment.




Arya Teb Firouz Knowledge-Based Company (ATF Co.):

ATF Co. established its place in 2015, as the Ninth Hemodialysis Machine Manufacturer in the world, by attaining the Technical Knowledge and Software for manufacturing the Hemodialysis Machine and placed Iran as the Fifth Country in the world in this field.

In September 2015, the **ATF Co.** received the permit for, manufacturing of the ATF 1022 Hemodialysis Machine from “The National Medical Device Directorate”.

In May and September of 2016, the **ATF Co.** received the approval for the routine use of the ATF 1022 Hemodialysis Machine, at the request of the “Board of Trustees of Currency Savings in the Treatment of Dialysis Patients”, from the "*Tehran University of Medical Sciences Nephrology Research Center*" and the "*Baqiyatallah University of Medical Sciences Nephrology and Urology Research Center*", after successful conduct of clinical and Crossover Tests, compared with the B-Braun and Fresenius of Germany's Hemodialysis Machines, in the “*Baqiyatallah hospital*” with 36 control patients.



At present, 200 units of the ATF 1022 Hemodialysis Machines, are been used in Public and Private Centers for Hemodialysis of Renal Patients. The total number of Hemodialysis Machines that will be manufactured by early 2020, is expected to reach 1,000 units. By sending the first export shipment of the ATF 1022 Hemodialysis Machines to Afghanistan, and installing them at the Afghan Aria Hospital Dialysis Center, the ATF Co. has become a peer, to the other International Exporters, of High-Tech Medical Equipment.

The **ATF Co.**, as the sole Manufacturer of Hemodialysis Machines in Iran and in West Asia, has the annual capacity for manufacturing one thousand units of ATF 1022 Hemodialysis Machines; in accordance with the Operating license received from the Ministry of Industry, Mines and Trade in July 2017. In 2018, The **ATF Co.** started manufacturing the Reverse Osmosis (RO) Water Purification Equipment for Medical uses in two Portable and Fixed (Central) Models.

In 2018, The **ATF Co.**, at the request of “The Ministry of Health and Medical Education”, received the “The National Nephrology Board's approval”

No. 86- Noavari St, PARDIS Technology Park- Damavand Road- TEHRAN Province- IRAN

Hemodialysis Machine

Amongst the distinguishing features of the ATF 1022 Hemodialysis Machine that can be pointed out, is the highly advanced software designed by the ATF Co., in which, in addition to controlling and recording all hardware changes in the device, records the Patient's clinical information, as well as the settings by the dialysis nurse, as a "Log File" during the Hemodialysis Session, which can be accessed whenever required.






This machine can reduce, 99% of total solids, and 100% of bacteria, viruses, and microbes in the solution. Before the water enters the device, two rear filters perform preliminary purification, which prevents the membranes from clogging and creation of favorable conditions for the growth of microorganisms, as well as increases the function of the membranes and prevents Sludge deposition and pH adjustment. Amongst distinctive features of this device that can be pointed out are, high purity of output water, small volume and capability of connecting to network.



This device is manufactured in two Fixed (Central) and Portable Models. The Central Model is used in the Multi-Bed Centers and the Portable Model is used in Single-Bed Centers, CCU, and ICU.



The background of the slide is a grayscale ECG (heart rate) tracing on a grid. The grid consists of small squares and larger squares. A thick black line represents the ECG waveform, showing several distinct peaks and troughs. The text is overlaid on a semi-transparent purple rectangular box in the upper left quadrant of the image.

In 2016, The **FANTAAM Co.** was founded in the field of Engineering and Manufacturing of Medical Kits. Since 2017, **FANTAAM Co.** has focused on Research & Development for Manufacturing variety of the kits needed for Cardiovascular Surgeries and has succeeded in

attaining advanced know-how in manufacturing the Diagnostic Kit for Blood Coagulation time (ACT), Sternal Suture, and 0.35" Wire Guide for Angiography, and is currently finalizing the Industrial Process for Manufacturing of these Products. By conducting research projects and clinical evaluation on products such as ACT Diagnostic Kit, Tourniquet and Inflator Syringe for Angioplasty, **FANTAAM Co.** has carried out effective activities in Cardiovascular centers such as Rajae Hospital, and currently is participating in research projects with university professors and expert practitioners of cardiovascular medicine in the country.

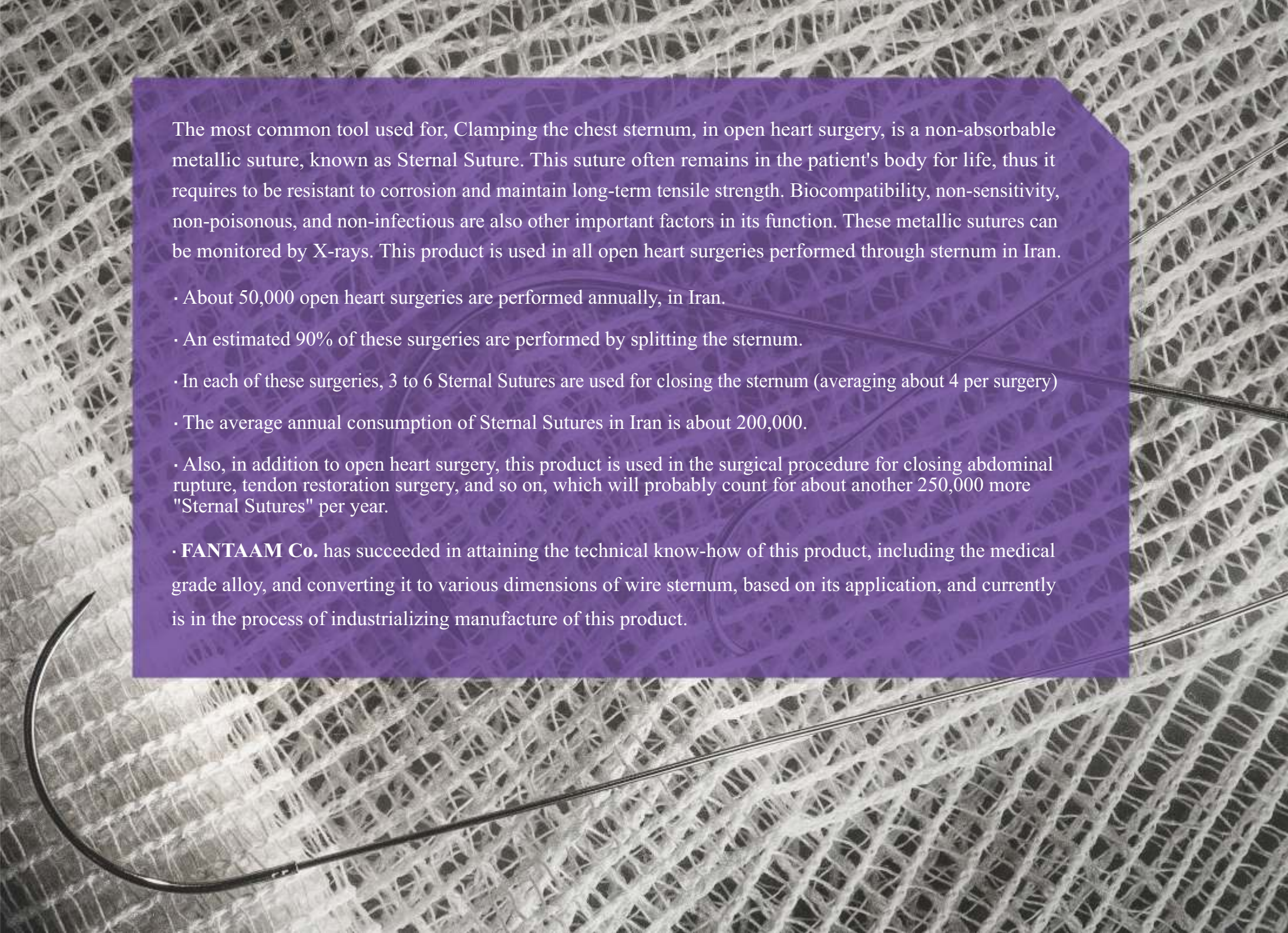
FANTAAM Co. intends to take an important step toward self-sufficiency and also enhancing the export capacity of the country, through research and development on consumables and vital products in the field of Cardiovascular Surgery.

The ACT Test, is one of the most used Point of Care (POC) type tests, which in cases such as open-heart surgery with an oxygenator pump, angioplasty, electrophysiology, and some other cardiovascular interventions, in order to monitor the effect of anticoagulant heparin is used; for this purpose, devices and kits are made by the world's leading brands, such as Medtronic, which accelerates and increases the accuracy of this test.

One of the most critical and key technologies for this test is the diagnostic kit, consisting of a polymer cartridge set, containing an activating reagent within a cuvette. The ACT kit, because of its annual consumption of around 300,000 kits in Iran, and difficulties in procurement from the main manufacturing country, the United States, is of special significance; and localizing it, is a positive contribution to advancement in this area, and paves the way for manufacturing specialized products in this field, and it also brings about the realization of the knowledge-based economy in the field of medical equipment.

Presently, **FANTAAM Co.** has localized the complete Technology chain (including blood coagulation reagent formulations, manufacturing of polymer components and clinical research in various open heart surgeries) for this product, and is in the process of industrialized production.





The most common tool used for, Clamping the chest sternum, in open heart surgery, is a non-absorbable metallic suture, known as Sternal Suture. This suture often remains in the patient's body for life, thus it requires to be resistant to corrosion and maintain long-term tensile strength. Biocompatibility, non-sensitivity, non-poisonous, and non-infectious are also other important factors in its function. These metallic sutures can be monitored by X-rays. This product is used in all open heart surgeries performed through sternum in Iran.

- About 50,000 open heart surgeries are performed annually, in Iran.
- An estimated 90% of these surgeries are performed by splitting the sternum.
- In each of these surgeries, 3 to 6 Sternal Sutures are used for closing the sternum (averaging about 4 per surgery)
- The average annual consumption of Sternal Sutures in Iran is about 200,000.
- Also, in addition to open heart surgery, this product is used in the surgical procedure for closing abdominal rupture, tendon restoration surgery, and so on, which will probably count for about another 250,000 more "Sternal Sutures" per year.
- **FANTAAM Co.** has succeeded in attaining the technical know-how of this product, including the medical grade alloy, and converting it to various dimensions of wire sternum, based on its application, and currently is in the process of industrializing manufacture of this product.





Healthcare Services

Field of Healthcare Services

Healthcare services providers, endeavor to maintain and enhance the health of the community and individuals, through prevention, diagnosis, and treatment. The access of individuals and groups to these services can be very different according to the economic and social level and their place of residence. Therefore, searching for quality healthcare services is an important part of everyday concerns.

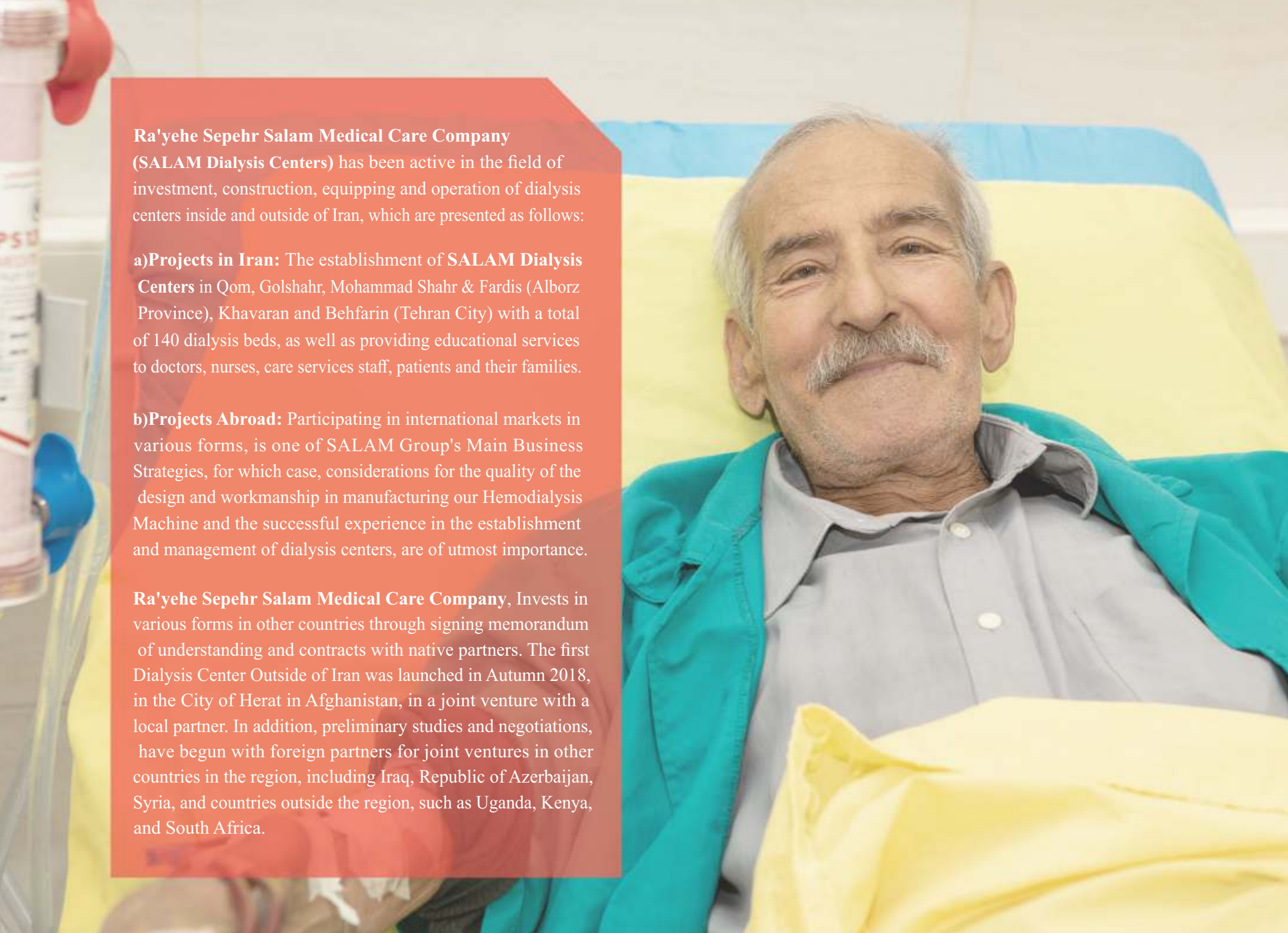
Due to the importance of healthcare services in the economics of communities, the provision of modern patterns in healthcare services has been considered. Also, in the last decade, new services such as health tourism and home-based healthcare services have been taken into consideration.

Until a few years ago, healthcare services in Iran were mainly provided by the public sector. In recent years, the role of the private sector and charities has been growing, and this can lead to better distribution and improved quality of healthcare services in the community.

Until a few years ago, healthcare services in Iran were mainly provided by the public sector. In recent years, the role of the private sector and charities has been growing, and this can lead to better distribution and improved quality of healthcare services in the community.

In line with above, the SALAM Group, with many years of experience in the field of economics, with the aim of improving the access of diverse population groups to quality and affordable healthcare services, has initiated investing in healthcare services, addressing the whole spectrum of healthcare, from preventive care up to new therapies.





Ra'yehe Sepehr Salam Medical Care Company (SALAM Dialysis Centers) has been active in the field of investment, construction, equipping and operation of dialysis centers inside and outside of Iran, which are presented as follows:

a)Projects in Iran: The establishment of **SALAM Dialysis Centers** in Qom, Golshahr, Mohammad Shahr & Fardis (Alborz Province), Khavaran and Behfarin (Tehran City) with a total of 140 dialysis beds, as well as providing educational services to doctors, nurses, care services staff, patients and their families.

b)Projects Abroad: Participating in international markets in various forms, is one of SALAM Group's Main Business Strategies, for which case, considerations for the quality of the design and workmanship in manufacturing our Hemodialysis Machine and the successful experience in the establishment and management of dialysis centers, are of utmost importance.

Ra'yehe Sepehr Salam Medical Care Company, Invests in various forms in other countries through signing memorandum of understanding and contracts with native partners. The first Dialysis Center Outside of Iran was launched in Autumn 2018, in the City of Herat in Afghanistan, in a joint venture with a local partner. In addition, preliminary studies and negotiations, have begun with foreign partners for joint ventures in other countries in the region, including Iraq, Republic of Azerbaijan, Syria, and countries outside the region, such as Uganda, Kenya, and South Africa.



Ra'yehe Sepehr Salam Medical Care Company launched its first "Private Comprehensive Hemodialysis Center" in 2016. Establishment of, a chain of such centers, have continued since and their number has raised to seven centers in 2019.

These centers are being equipped and operated, with the view on the use of Hemodialysis Equipment Made in Iran, and aiming to provide optimal services and increased dialysis efficiency to the patients. Amongst the achievements resulting from this process, that could be highlighted are, a "new model" for managing such centers, registration of the title “First Comprehensive Hemodialysis Center in Iran”, launching and operating the “First International Hemodialysis Center” under Iranian management and also equipped with Iranian made Hemodialysis Equipment, and participation in the production and use of the first Iranian comprehensive software for managing hemodialysis centers.



TURKMENISTAN

1-Behafarin Professional Internal Medicine & Hemodialysis Clinic

Location	Tehran City Tehran Province Iran
Startup Date	March 2016
Capacity	20 Dialysis Beds
Number of Present Registered Patients	88
Number of Dialysis Sessions in recent Month	931

2-SALAM Arya Hemodialysis Section

Location	Afghan Arya hospita City of Herat Afghanistan
Startup Date	May 2018
Capacity	6 Dialysis Beds
Number of Present Registered Patients	19
Number of Dialysis Sessions in recent Month	88

3-SALAM Khatam Hemodialysis Section

Location	Khatam Clinic City of Qom- Qom Province Iran
Startup Date	December 2018
Capacity	22 Dialysis Beds
Number of Present Registered Patients	35
Number of Dialysis Sessions in recent Month	360

4-SALAM Golshahr Comprehensive Hemodialysis Center

Location	Golshahr area City of Karaj Alborz Province Iran
Startup Date	March 2019
Capacity	25 Dialysis Beds
Number of Present Registered Patients	86
Number of Dialysis Sessions in recent Month	900

5-SALAM Mohammad Shahr Comprehensive Hemodialysis Center

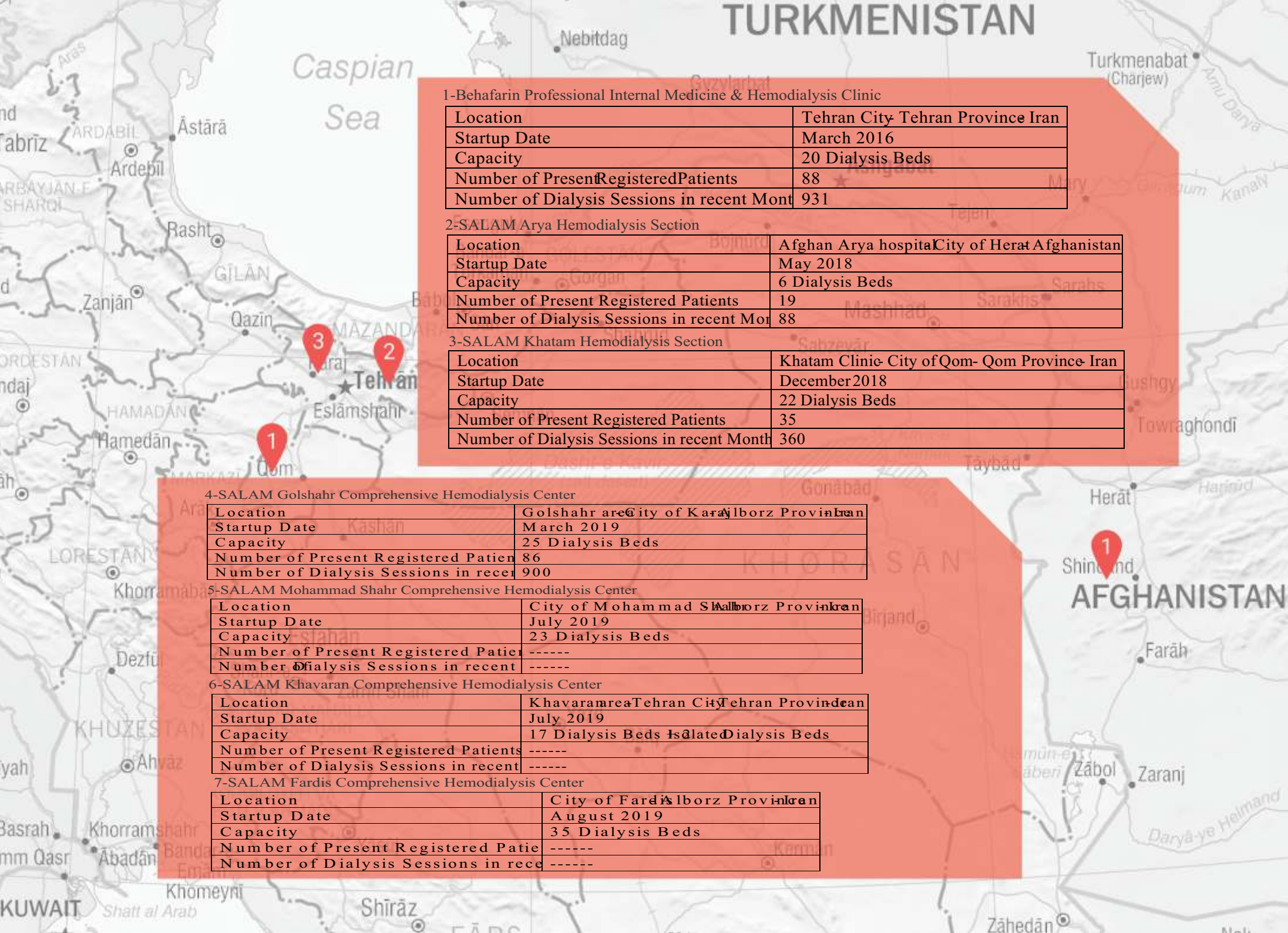
Location	City of Mohammad Shahr Alborz Province Iran
Startup Date	July 2019
Capacity	23 Dialysis Beds
Number of Present Registered Patients	-----
Number of Dialysis Sessions in recent Month	-----

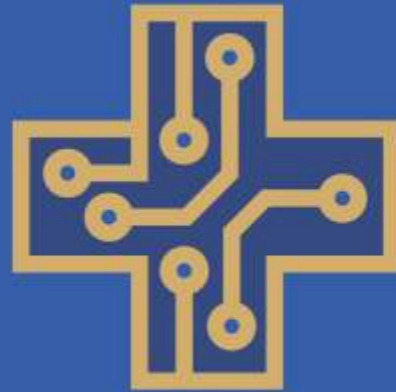
6-SALAM Khavaran Comprehensive Hemodialysis Center

Location	Khavaramre Tehran City Tehran Province Iran
Startup Date	July 2019
Capacity	17 Dialysis Beds Isolated Dialysis Beds
Number of Present Registered Patients	-----
Number of Dialysis Sessions in recent Month	-----

7-SALAM Fardis Comprehensive Hemodialysis Center

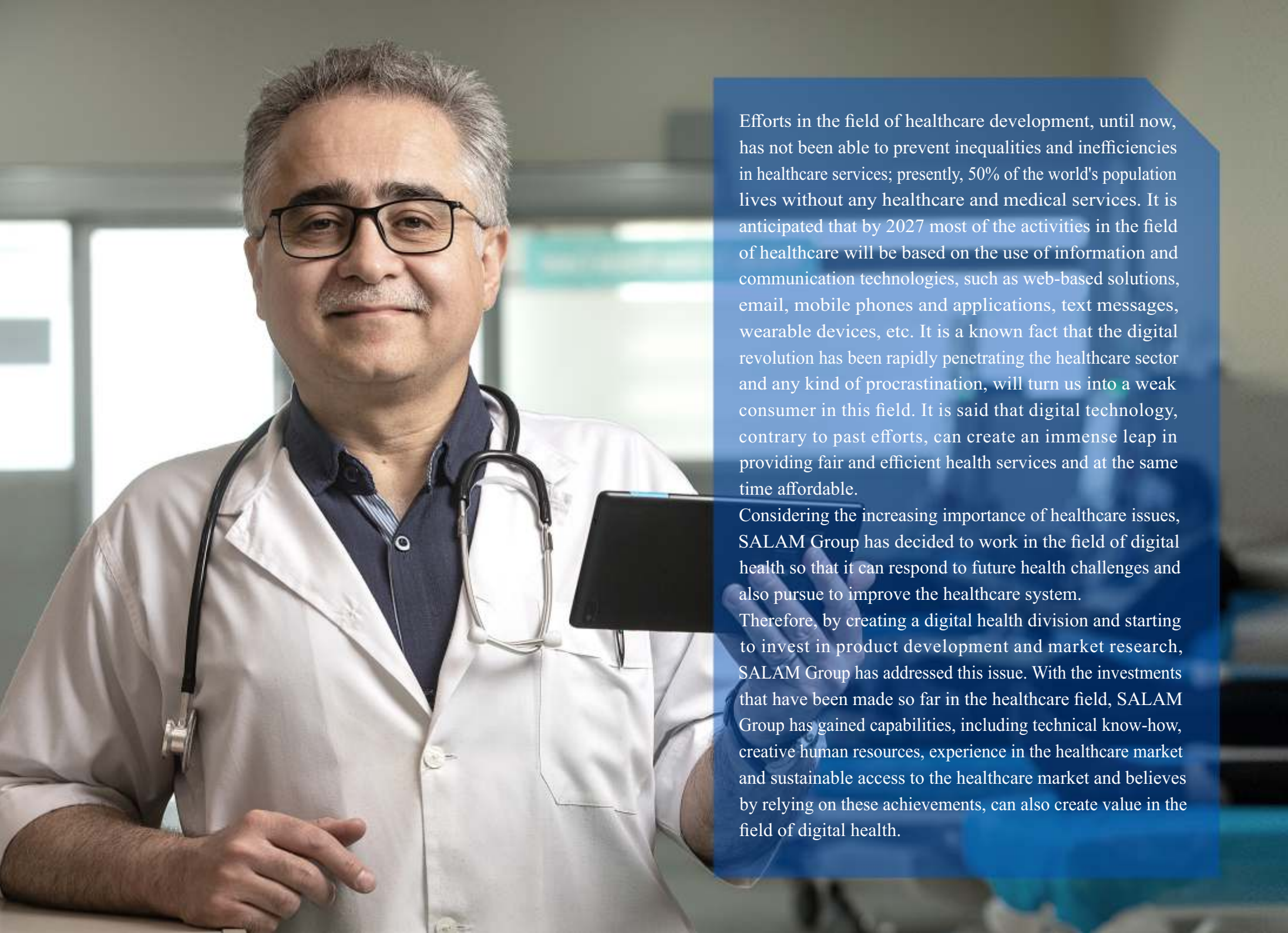
Location	City of Fardis Alborz Province Iran
Startup Date	August 2019
Capacity	35 Dialysis Beds
Number of Present Registered Patients	-----
Number of Dialysis Sessions in recent Month	-----





Digital Health

Field of Digital Health



Efforts in the field of healthcare development, until now, has not been able to prevent inequalities and inefficiencies in healthcare services; presently, 50% of the world's population lives without any healthcare and medical services. It is anticipated that by 2027 most of the activities in the field of healthcare will be based on the use of information and communication technologies, such as web-based solutions, email, mobile phones and applications, text messages, wearable devices, etc. It is a known fact that the digital revolution has been rapidly penetrating the healthcare sector and any kind of procrastination, will turn us into a weak consumer in this field. It is said that digital technology, contrary to past efforts, can create an immense leap in providing fair and efficient health services and at the same time affordable.

Considering the increasing importance of healthcare issues, SALAM Group has decided to work in the field of digital health so that it can respond to future health challenges and also pursue to improve the healthcare system.

Therefore, by creating a digital health division and starting to invest in product development and market research, SALAM Group has addressed this issue. With the investments that have been made so far in the healthcare field, SALAM Group has gained capabilities, including technical know-how, creative human resources, experience in the healthcare market and sustainable access to the healthcare market and believes by relying on these achievements, can also create value in the field of digital health.



Tosseh Modiriati Affagh Salam Company (TA'MAAS Co.) was established in 2017, with the aim of providing consulting services and optimizing management with the effective use of information technology.

Mr. Sayed Ali Azarabadegaan, having experience in the management of large industrial complexes such as the SADID Industrial Group and Yazd Alloy Steel complex, and Management of large holdings in the Ministry of Energy (SATKAB), and Social Security Organization's Investment Company (SHASTA), is the Managing Director of TA'MAAS Co. TA'MAAS Co. benefits from the cooperation of experienced consultants, including; Mr. Mohammad Rahmzadeh Heravi (Author of Reference Books on Processualism in Management), Dr. Saeed Emami (Management member of Tehran Computer Trade Union), Dr. Massoud Simkhah (Professor of University), and since its establishment, have provided Consulting Services in areas of "Organizational Change Based on Troubleshooting", to the SALAM Group and some other Companies and Institutions.

Achievements of TA'MAAS Co. include; providing consultancy on effective planning and budget structure, and controlling and directing the organization through it in the ATF Co., also, development of executive procedures for the processes in Dialysis Centers, and turning it into Comprehensive Software for Management of Dialysis Clinics for **Ra'yehe Sepehr Salam Medical Care Co.**, of which, the subsystems for treatment, insurance, warehouse and financial & accounting are being completed. Furthermore, Infection Control Subsystems, Customer Relationship Management, Infrastructure Management, and Management of the Chain of Dialysis Centers will be completed this year.

In the Dialysis Centers' Management Dashboard, the following important functions can be performed:

-Admission and recording of the patient's profile, hence the insurance profile and a list of patients will be created.

-The active shifts of the clinic are determined.

-The patient shift is determined.

-The staff in charge of admission, can see the weekly schedule with the status of the allocation of all patients.

-The head nurse in the allocation section, specifies the monthly nursing program.

-The head nurse could see the status of the patients and the nurses for a particular shift in a particular date, and assign a specific nurse to a specified patient.

-After assignment, the nurses on shift can log into the system, using the dashboard tablet, and select the assigned patients and then complete the patient-specific dialysis plan on the dashboard tablet.

-Immediately after completion of the dialysis shift, the insurance representative (or the staff in charge of admission), can print out an appropriately formatted dialysis sheet.


-The insurance representative can also check to see, whether the patient's insurance booklet expiration date is near, or it has already passed the due date.

-The head nurse and the director of the center can view the monthly performance report of the nurses, by date, shift and total sum.





وزۀ دارو →
medicine field



The science of medical drugs has grown as an essential element in the prevention, diagnosis, and treatment of diseases, along with medical science, and has backgrounds, equaling the human history.

Today, the pharmaceutical sciences cover a wide range of drug molecules, vaccines and new drug combinations, each of which, account for a large part of the economy and healthcare exchanges. Studies on the production of new drugs are one of the costliest parts of the healthcare studies, and each year new pharmaceutical patents, as the most expensive health care interventions, change the treatment of diseases. Therefore, localizing the science in this area, appears to be a requirement for proceeding towards attaining "affordable" and "accessible" healthcare.

The Salam Group intends to invest in pharmaceutical sciences in order to create a knowledge-based foundation for the development and production of medical drugs, which will lead to improvements in the quality of healthcare.

Sarmayegozari Sanaye Mosharekati Taha Company, in 2016, founded the largest facility for production of “Effective Ingredients for Hormonal Drugs” in Iran; in the City of Sabzevar (Khorasan Razavi Province), and brought it into production the same year. This complex is located on an area of 20,000 square meters, and encompasses a production hall for the production of various types of hormonal molecules, three cleanroom halls with a total area of 950 square meters, Micronize System and three Laboratory Units (Classic, Instrumental and Microbiological) Septic Tank Farm Purification Unit, and solvent recovery unit with distillation tower. This company could produce four molecules of, Betamethasone Valerate, Hydrocortisone, Medroxyprogesterone Acetate, and Progesterone, and presently it could produce other substances such as Conjugated Estrogens, Methylprednisolone, and Prednisolone.

Darousazi Taha Company, in 2017, was recognized as a knowledge-based company by the “Office of Islamic Republic of Iran's Vice President for Science and Technology”. In 2018, in its development plan, the unit for the production of final products of Semi-Solid Drugs in the form of suppositories, with a capacity of 10,000 pcs per hour, was established. Presently, the company is studying setting up an “IV Solutions & IV Solutions Bags” and “Dialysate Fluid for Hemodialysis” production unit.

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Phone: +98 51 44333336 & 7
Website: tahapharmacy.com



داروسازی تاهما

شرکت سرمایه گذاری منابع مشارکتی تاهما

Name of the Medicine	Indications
Progesterone	
Estrogens Conjugated	
Prednisolone	
Methylprednisolone	
Hydrocortisone	
Betamethasone valerate	
Medroxyprogesterone	

