



INTRODUCTION LETTER

and Annual
Report of **2020 - 2021**



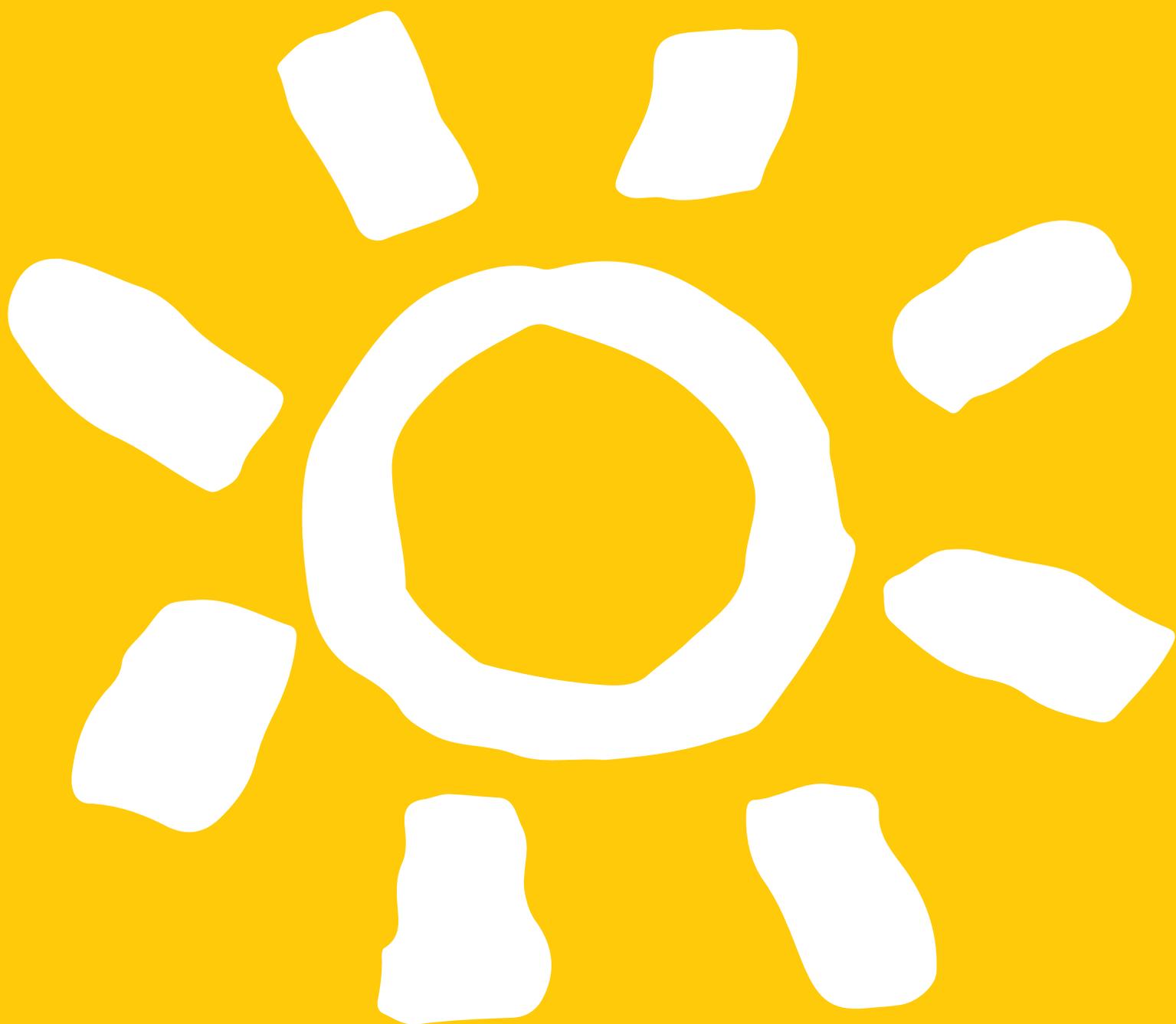
زنجیره امید

برچهره‌ی کودکانی‌اش طرح لبخندی یکشیم



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General Director's Note

In the name of God

In the current unstable world, the most important and real feeling after the love of God to the creatures is the love of a mother for the child. I am very happy to feel that I am approaching a state where the happiness of others, especially children, and their smiles is as enjoyable for me as when I see the happiness and success of my children, Leila and Amir Hossein. Of course, it is an exaggeration to say that I have fully achieved this state, but this approach is also great for me and gives me a special passion and joy.

When we understand internal unity and realize that we are part of the Absolute Oneness, the reason we are in this world becomes so beautiful and leads to the deep joy and peace that can in no way be compared to the best conditions and fleeting pleasures of the material world.

Consider the world in which human beings have come to understand the evolution and transcendence of the soul in the course of their physical daily lives.

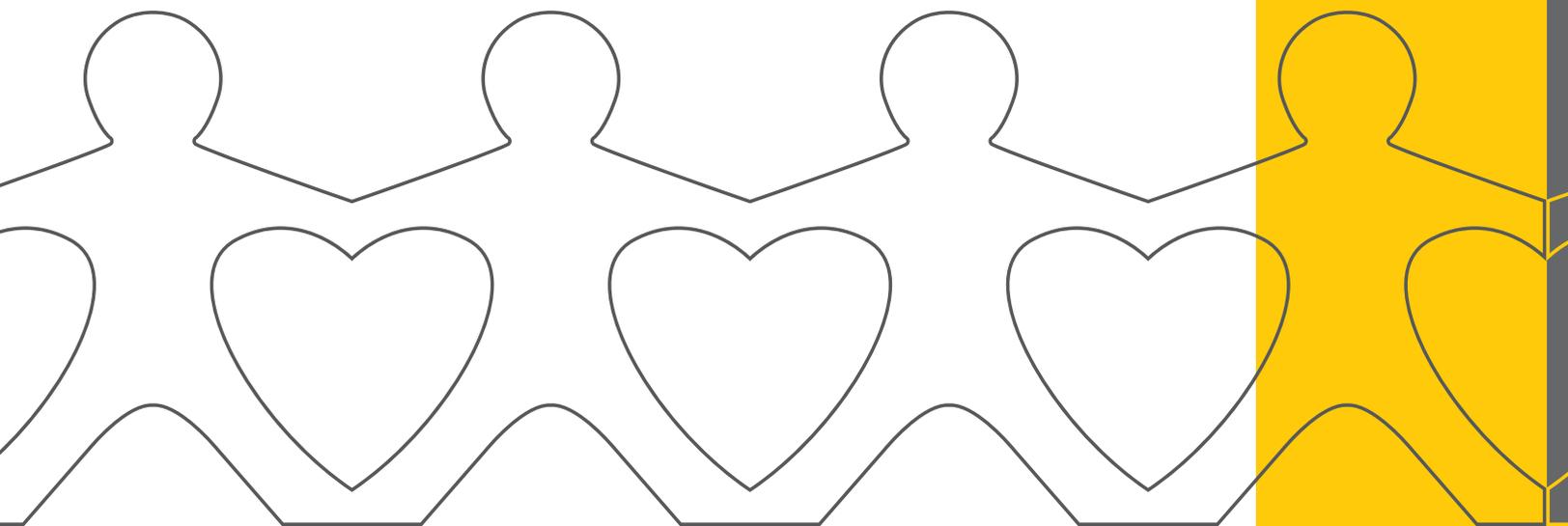
In these circumstances, the most important part of the perfection of the soul occurs when we are in the transmission of joy, love, affection and goodness to others, without any intention or expectation, and it is the transcendent pleasure that brings humans to the peak. Because in such a world, egoisms, borders, nationalities, and all that has placed us in a self-made limitation, collapse, and we can easily understand that we are part of the whole being of God. Each component is meaningless alone, the component finds meaning when they are together.

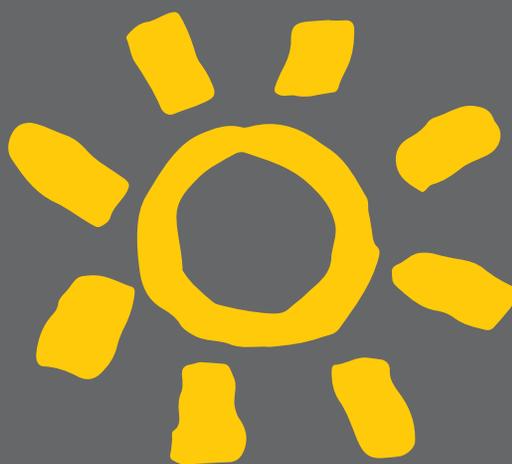
When we achieve this important thing, we can be happy with the happiness of others, and we can see the smile of a one child in the smiles of all the children and do our efforts for the future of the peaceful world.

They are the future of the world, the day when we do not exist, they have a duty to help the world and reach their perfection.

This manner continues until the due time...

I hope to see a day when the world, with all its shortcomings lead humans to the





excellence, and all human beings will achieve lasting inner peace, and humans will be able to be the true and true substitute of God.

Maryam Marashi

Managing Director of Zanjireh Omid International Charity



Zanjireh Omid at a Glance

Zanjireh Omid International Charity Institute was founded in June 2007. Zanjireh Omid provides top and cost effective medical and healthcare services in compliance with International standards to underprivileged children who are under 18 with cardiac, orthopedic and reconstructive conditions irrespective of their nationality, ethnicity and religion in Iran. This institute in addition to treatment of children holds short-term and long-term training courses for local subspecialists in association with international medical teams to promote pediatric field across the country. Zanjireh Omid is the first Iranian charity foundation comprised of an exclusive medical board including Iranian and French subspecialists. 150 French medical teams have travelled to Iran for medical missions, academic trainings and medical cooperation until now. Furthermore, over 152 physicians for observer courses and 3 physicians for clinical courses have been sent to France under the support of French embassy of Tehran and La Chaîne de l'Espoir charity organization. One of key features of Zanjireh Omid is significant reduction in treatment costs while maintaining high quality of care. It should be noted that the cost of sending physicians for short-term and long-term training courses by Zanjireh Omid Agreement has been covered by the Cultural Department of the French Embassy in Iran and the Zanjireh Omid France.

Since the foundation of Zanjireh Omid, over 13800 children suffering from orthopedic, cardiac and reconstructive conditions from all over Iran have underwent surgery and received medical care services. According to the statistics, Zanjireh Omid serves children from all provinces of the country.

Since its foundation, Zanjireh Omid has achieved the following accomplishments for the first time in the history of the country:

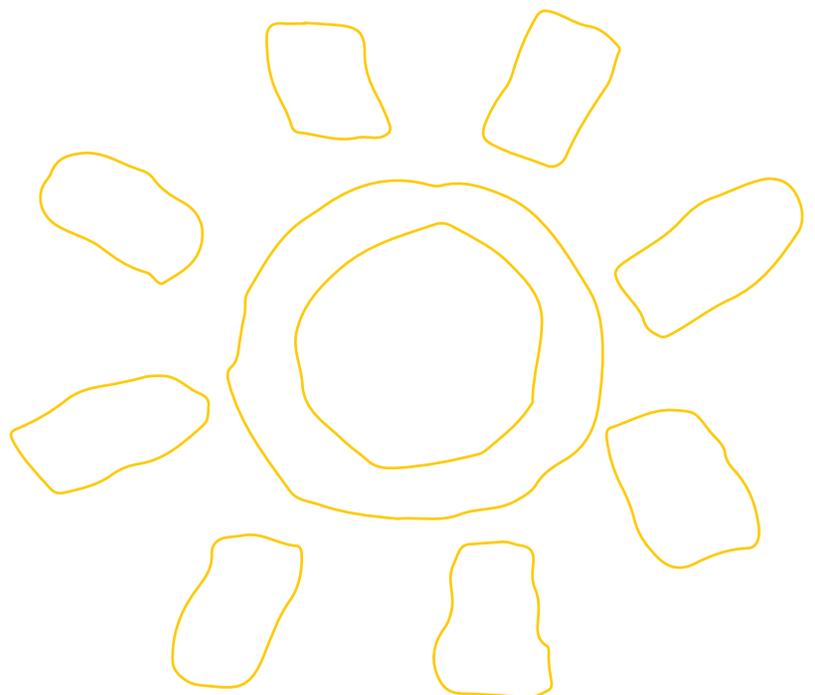
1. Treatment and surgery of patients with over 100-degree scoliosis via Intraoperative Nerve Monitoring device for the first time in the country
2. Successful surgery of patients with Pectus Excavatum with «NUSS» device for the first time in Iran
3. Treatment of children and newborns affected by Brachial Plexus Birth Palsy with Nerve Transplantation by using Fibrin Glue instead of surgical suture
4. Toe to thumb transplant surgery with Flatt Flap technique for children with no hand finger
5. Treatment and surgery of newborns with congenital malformations of cleft palate and/or lip by using a treatment protocol through cooperation of pediatric subspecialty team to reach quality care standard
6. Mortality rate reduction among newborns with cardiac conditions and postoperative intensive care services following the construction and equipment of an NICU at Children Medical Center, which led to a considerable decrease in the mortality rate
7. Establishment and equipment of Zanjireh Omid Children's House with the turnover of 200 patients per month. Since there are a large number of patients in need of complementary healthcare services before and after surgery and a rehabilitation center.

Zanjireh Omid's scope of activities are as follows:

- Therapeutic activities: to treat children
- Infrastructural activities: to reach standards of pediatric subspecialty care
- Training activities: to develop pediatric subspecialties and advance pediatric treatments in the country.

Zanjireh Omid International Charity Institute has an extensive academic cooperation with the French La Chaîne de l'Espoir organization. With over thirteen years of experience in the healthcare field and conduction of the therapeutic projects in various medical centers, the institute launched the construction project of a pediatric hospital, after extensive and detailed studies. Feasibility studies, business and medical plans of the project are completed by APHP International (Assistance publique – Hôpitaux de Paris), and the architectural plans of the project are produced by Tina Farayand Company. According to experts, this project has the most comprehensive construction and operation plan in the country. There is a shortage of hospital beds for children in Iran in comparison to the population growth. Moreover, an increase in bed numbers of public and private hospitals is not viable. Considering these points, the construction of a public pediatric subspecialty hospital is regarded as a necessity.

As one of the main issues in pediatrics, shortage of pediatric subspecialists calls for a teaching medical environment for various pediatric fellowship courses alongside healthcare services. Therefore, in addition to optimizing hospital beds, Zanjireh Omid pursues to develop hospital facilities, and train pediatric subspecialists. Since large number of patients come from other parts of the country, it is required to build a children's house adjacent to the hospital.



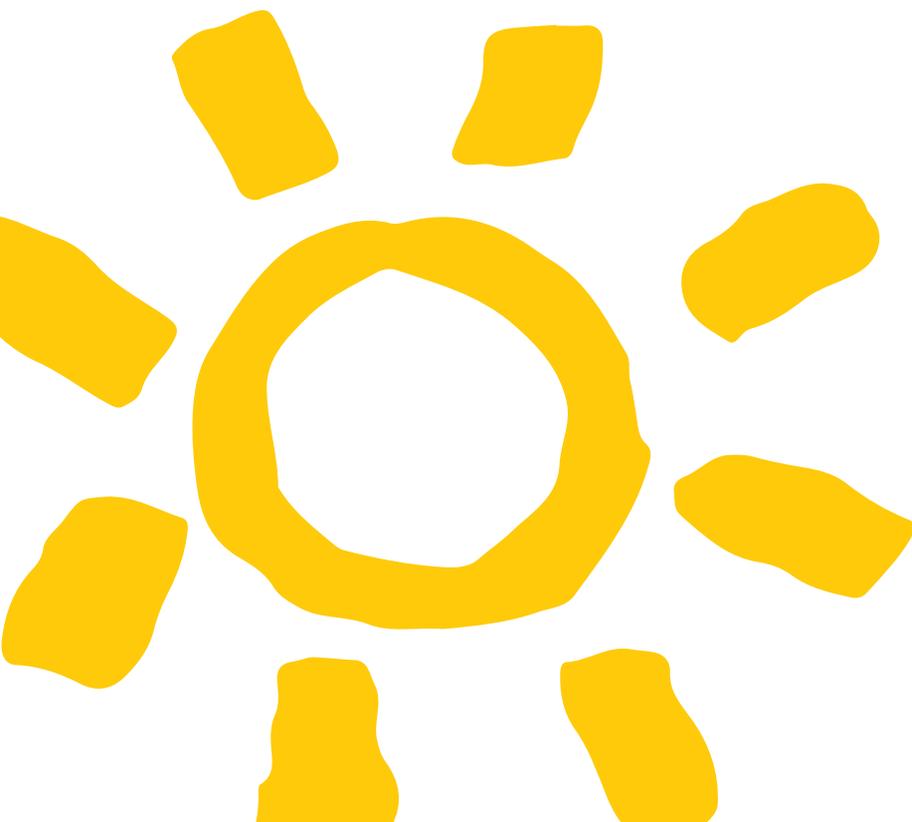
Beneficiaries of this project are as follows:

1.Children of underprivileged families supported by Zanjireh Omid: They cannot afford the treatment expenses.

2.Children of middle classes families: This group is charged at the public tariff rate and they would be provided with the best possible medical services.

3.Children of higher classes families: Patients of this group are able to afford their treatment costs. The medical services provided to these patients are the same as the two above groups.

Zanjireh Omid Charitable Foundation hopes that with the opening of this hospital, it will take a big step in promoting the healthcare system of children in Iran in all subspecialty fields of pediatric surgery. It should be noted that this hospital does not have any financial partner and if in the future there is a profit from the financial turnover of the hospital, it will be spent on the promotion of subspecialty pediatric medicine in Iran.



Zanjireh Omid's Charter of Ethics

Article 1: The main goal of Zanjireh Omid Institute is to provide healthcare services to children who due to the lack of technical means and financial resources cannot be treated in their origin country.

Article 2: Zanjireh Omid takes care of children who cannot afford their treatment costs.

Article 3: Zanjireh Omid provides health care services to children regardless of their nationality, race and religion.

Article 4: Zanjireh Omid provides specialized trainings to the medical teams so that the pediatricians can provide the best therapeutic services. Article 5: Zanjireh Omid provides medical and technical knowledge, equipment and consumable materials in the countries where an efficient hospital structure is needed.

Article 6: Zanjireh Omid facilitates the development of hospital structure of the respective countries in order to meet children's needs.

Article 7: Zanjireh Omid provides access to education required for the harmonious development of children through supporting programs.

Article 8: Zanjireh Omid is committed to participate in supporting children's rights.

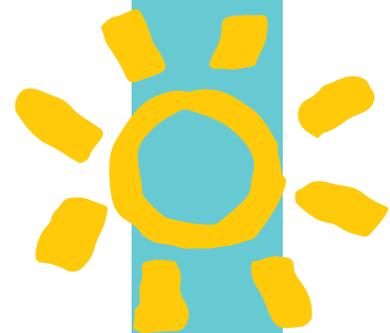
Article 9: Zanjireh Omid ensures that volunteer specialists meet all necessary qualifications and specifically commitment required for their tasks and missions.

Article 10: Zanjireh Omid's relationship with different societies is based on their beneficiary groups.

Article 11: Zanjireh Omid uses its financial and technical partners to fulfill this mission.

Article 12: Zanjireh Omid funds its missions.

Article 13: Zanjireh Omid is committed to improve clarity in relationship with its donors and social and humanitarian organizations' charter of ethics.



• Chart Awards and Acknowledgements (2007-Present)

United Nations Special Consultative Status with Economic and Social Council (ECOSOC)

Zanjireh Omid Institute was granted UN special consultative status by the economic and social council (ECOSOC) on May 1, 2014. NGOs that plan to participate in official decision-making of United Nations should receive their special consultative status certificate from ECOSOC. In order this happens, Non-governmental organizations should have a certain head-quarter and at least 2 years should be passed from their establishment. They should also have a democratically adopted constitution, a clear organizational structure, a representative structure and a democratic method of decision-making. Zanjireh Omid Institute now holds UN special consultative status with ECOSOC in order to pursue its humanitarian goals and continues to improve its services based on the international standards. It should be noted that this consultative status has no financial outcome for this institute.



National Hippocrates Golden Plaque

The National Hippocrates Award identifies the healthcare institutes promoting quality medical care in the country. This makes foundations and institutes more encouraged in delivering beneficial healthcare services. This award is granted to the nominated organizations annually of certain fields and in three different types: Golden, Silver and Bronze plaques. Jury of the National Hippocrates Award nominated Zanjireh Omid Charity Institute to receive Hippocrates Golden Plaque due to its top quality therapeutic and medical services provided to underprivileged children under 18. Zanjireh Omid became one of the top charity institutes in healthcare field and was acclaimed as a successful foundation by the organization.



UNWG Award

UNWG (United Nations Women's Guild) is a non-profit organization, which was established in 1970. One of the main goals of UNWG, which is based in Vienna, is to financially support the underprivileged children. This organization donates grants to institutes every year. Institutes should meet some specific qualifications and criteria to receive this grant. This organization is the sponsor of children who have severe difficulties in education, treatment, health etc. Zanjireh Omid charity institute received a grant for a cardiac project and appreciation certificate titled: Assistance to Iranian Children in 2015.



Zanjireh Omid Nominated as a Top Charity in Acknowledgment Ceremony of Tehran University of Medical Sciences

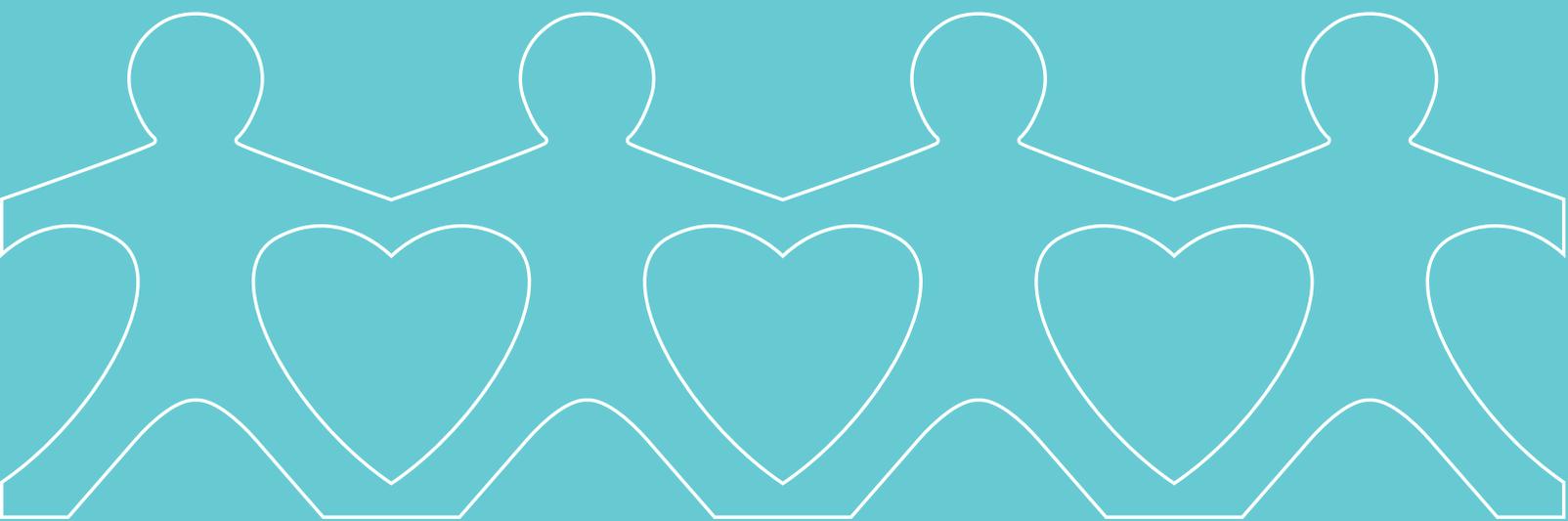
Zanjireh Omid has carried out beneficial services in medical and healthcare field since its foundation including: 1) direct academic cooperation with physicians and university professors to improve pediatric specialties through trainings and 2) development and administrative projects such as medical centers. Zanjireh Omid became one of the top charity institutes in healthcare field and was acknowledged as a top healthcare charity institute by Tehran University of Medical Sciences.

United Nations Global Compact

UN Global Compact is a voluntary initiative to encourage businesses, non-businesses and NGOs to adopt sustainable and socially responsible policies. Zanjireh Omid International Charity Institute became a signatory to UN Global Compact in 2017 and has embraced the 10 principles of UNGC since then. The Ten principles of UN global compact take into account fundamental responsibilities of businesses and non-businesses in the areas of human rights, labor, environment and anti-corruption. UNGC calls on companies and NGOs to abide by the stated principles within their area of influence and submit an annual report of communication on engagement that details their work to embed the Ten Principles into their strategies and operations.



Medical Achievements of Zanjireh Omid International Charity Institute



1. Treatment and Surgery of the Scoliosis Patients

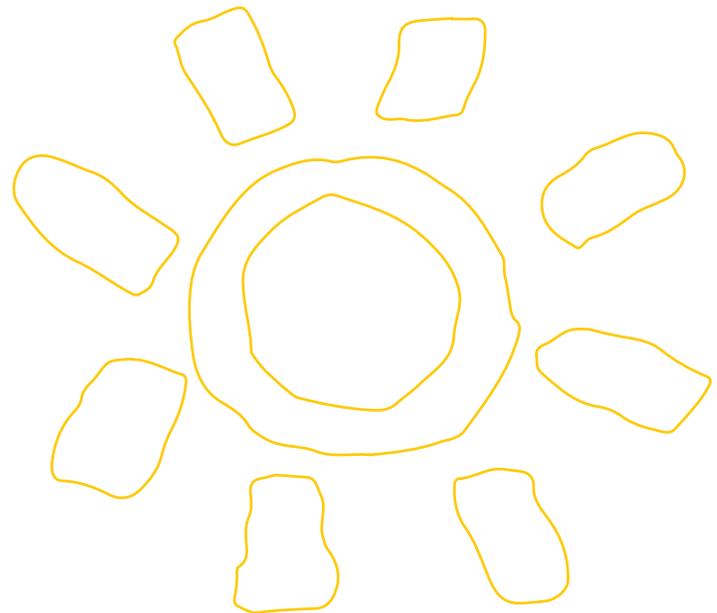
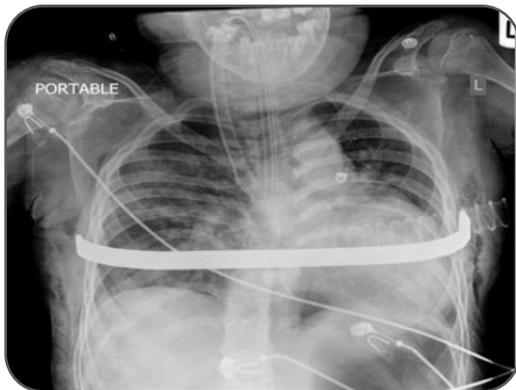
Treatment and surgery of scoliosis patients under the support of Zanjireh Omid Charity Institute via Nerve Monitoring System for the first time in Iran. The patients had disabilities in doing their daily tasks, they suffered from reduction of the lung capacity and they faced the danger of paralysis and death in some cases. Zanjireh Omid Charity Institute provided the required facilities to operate these children to help them have a better future. Some of these patients who had moderate to severe spine deformity, inappropriate lung capacity and spinal cord pressure, could not be operated in Iran before this.

The surgery costs of these patients outside of the country were high. After purchasing the Nerve Monitoring System, many of these surgeries could be done in Iran at very lower cost. Another objective of buying this device was to train Iranian doctors to implement it in on patients in Iran. Iranian doctors were trained by Dr. Masri Zada (a famous neurologist who has had 20 years of experience working with Nerve Monitoring System in France).



2. Successful Surgery of Chest with «NUSS» Device for the First Time in Iran by the Medical Team of Zanjireh Omid Charity Institute

This surgery was done for the first time by «Donald Nuss» in 1990. In this surgery inside of the chest is scanned by Thoracoscopy camera and with a special device, the chest deformity is corrected. This disease, called «Pectus Excavatum» is caused from the abnormal growth of several ribs and sternum. It puts pressure on the heart and lungs and can cause breathing issues for the patient. The applied device for this surgery was purchased and imported to Iran for the first time by Zanjireh Omid Charity Institute and used by the Institute's surgery team.



3- Reduction of Mortality Rate among Neonates with Cardiac Problems following the establishment of an NICU at Children Medical Center

After examining the significant rate of pediatric heart mortality in Iran during pre and post-operation compared to the other developed countries in the world, Zanjireh Omid Institute decided to perform a project to reduce this rate at the Pediatric Medical Center, the only pediatric heart hospital, which is located inside a children's hospital. After assessing the causes of mortality, the institute launched a structural project to reduce heart mortality in children. According to studies, Zanjireh Omid decided to take adequate measures to address this issue.

All performed actions are as follows:

- Construction and equipment of NICU in the medical center;
- Training of nurses and medical staff inside and outside the country;
- Inviting international medical teams;
- Paying extra salaries of nurses of this center for three years;
- Fully equipped heart operating room.

Following a joint agreement between Tehran University of Medical Sciences and “Zanjireh Omid” charity in 2013, a project titled “Reduction of mortality rate among neonates with congenital heart defects (CHD) was launched. This project was funded by “Zanjireh Omid Charity institute”.

After selection of a suitable location for establishment of the ICU in an unused, space between two ICUs on 4th floor of Bldg. No. 2 of “Medical Center” by medical center and Zanjireh Omid experts, the project begun in following phases:

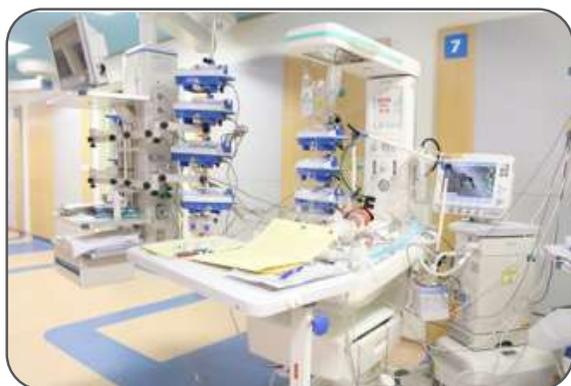
1. Destruction, reconstruction and repair of ICU ward, Interior design and retrofitting of ceiling console and restoration of the mechanical devices which resulted in:

- a) Interior design**
- b) Electric safety**
- c) Monitoring infection**

2. Equipment of cardiac ICU including: 12 ICU beds, 2 isolated beds, special operations and outpatient surgery room beds are as detailed below:

A) Selection of medical devices from following brands: Atom from Japan, Fukuda from Japan, Toshiba from Japan, Siemens from Germany, Philips from USA, Benet from USA and from domestic products, holding quality certificates from FDA of USA and CE of Europe to decrease mortality.





B) Portable digital Radiology instrument to facilitate taking digital photos more accessible in the entire wards of the hospital.

C) Efficient utilization of space for doctors and nurses: all medical instruments were installed on ceiling consoles.

3. Destruction, reconstruction of central compressed air conditioning system of hospital with oil free high-tech systems, which made compressed air move in entrance and exit paths with full filtration.

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In order to perform more operations after NICU opening, following Instruments were purchased:

- a) Heart pump machine
- b) Pump accessories
- c) Surgery instruments and digital suction device

5. Selection and instruction of nurses to work in cardiac surgery ICU of Children Medical Center: 60 nurses including: nurses employed at cardiac wards of medical center, 18 senior nursing students of Tehran and Iran universities attended theoretical and clinical apprenticeship classes since 2014. The trained personnel started working at cardiac ICU after its opening

six-month advanced training course of "nursing cardiac surgery" was held for nurse supervisors: The course was evaluated and instructed by two expert nurses in children's cardiac surgery ICU from London. The total expenses of the course including the travel expenses of non-Iranian instructors were covered by Zanjireh Omid charity. The course started on September 18th of 2016 after obtaining license from Health and Medical Education Ministry

6. Protocols of all cardiac surgery ICU procedures were developed by cardiac ward research committee supervised by hospital research department. Major part of protocols is documented and a book about pediatric cardiac surgery is under publication.

1. Production of a video tutorial to inform parents of admission process, hospitalization, cardiac surgery, intraoperative care, ICU and postoperative care.

2. Travels of doctors and cardiac surgery nurses to Necker Hospital in Paris (a referral center for pediatric cardiac patients) planned, coordinated and financially supported by Zanjireh Omid Charity.

7. Travel of nurses, Internal, and pediatric cardiac surgery doctors to Necker hospital in Paris to pass complementary courses.

8. Conduction of a research project studying stress and tension level among nurses working at ICU and group therapy sessions to instruct how to overcome tension

9. Travel of nurses, Internal, and pediatric cardiac surgery doctors to Necker hospital in Paris to pass complementary courses.

10. Conduction of a research project studying stress and tension level among nurses working at ICU and group therapy sessions to instruct how to overcome tension

11. Yoga courses at children medical center in 2013 which were financially supported by Zanjireh Omid Charity

12. Monthly incentive pay to all nurses, nursing assistants and service staff of pediatric cardiac surgery ICU and cardiac surgery room of medical center who numbered 130 in total.

By conducting this project, the mortality rate reduced from 23.4% to less than 4.7%.



Table of Mortality Rate Reduction among Newborns till Dec2020

Year	No. of Surgeries	No. of mortality
Dec-Jan-Feb 2015	21	2 (9.5%)
Mar2015-Mar 2016	193	14 (7.2%)
Mar2016-Mar 2017	233	12 (5.1%)
Mar2017-Mar 2018	207	14 (9.6%)
Mar2018-Mar 2019	197	12 (6,1%)
Mar2019-Dec2019	166	11(6.6%)
Mar2020-Dec2020	169	8(4.7%)

4. Transplant surgery of toe to thumb

This type of surgery is one the subspecialized surgeries which is not widely practiced in the country. This surgery is performed by hand surgery team of Zanjireh Omid on children with upper limb malformations. During this microscopic surgery, toe is completely transplanted to thumb with all its tendons, artery, and vein and nerve using microscopic magnification. If this complicated organ transplant surgery is successful, the patient could grab objects with its transplanted finger.





5. Brachial plexus surgery (nerve graft using biological glue instead of suture) and nerve repair

International statistics shows that three out of every two thousand newborns, can have brachial plexus birth palsy caused by a damage during natural childbirth or caesarean. This can cause paralysis of the arm also known as Erb's palsy. This damage can emerge either at birth or with delay.

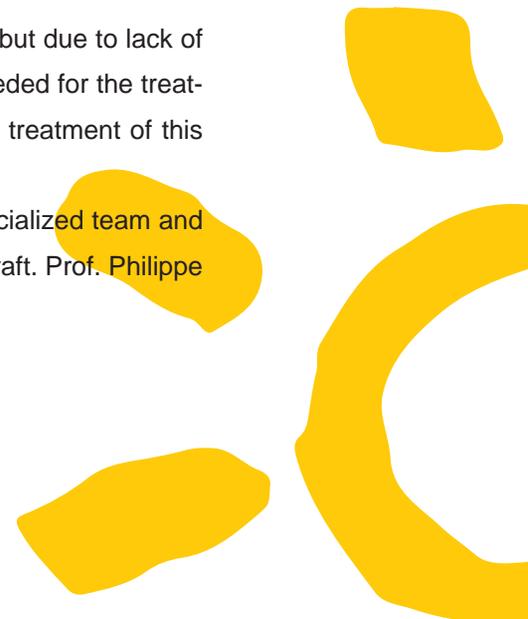
Brachial plexus injury (brachial plexus) at birth is a traumatic lesion during childbirth that occurs following excessive stretching of the shoulders and neck with damage to the spinal nerves. The initial clinical signs of this injury are weakness in upper limb movements, which has different degrees depending on the severity of the initial injury. The resulting nerve lesion is always supraclavicular and most often affects the upper trunks. The lower trunk of the network may also be involved in a quarter of patients.

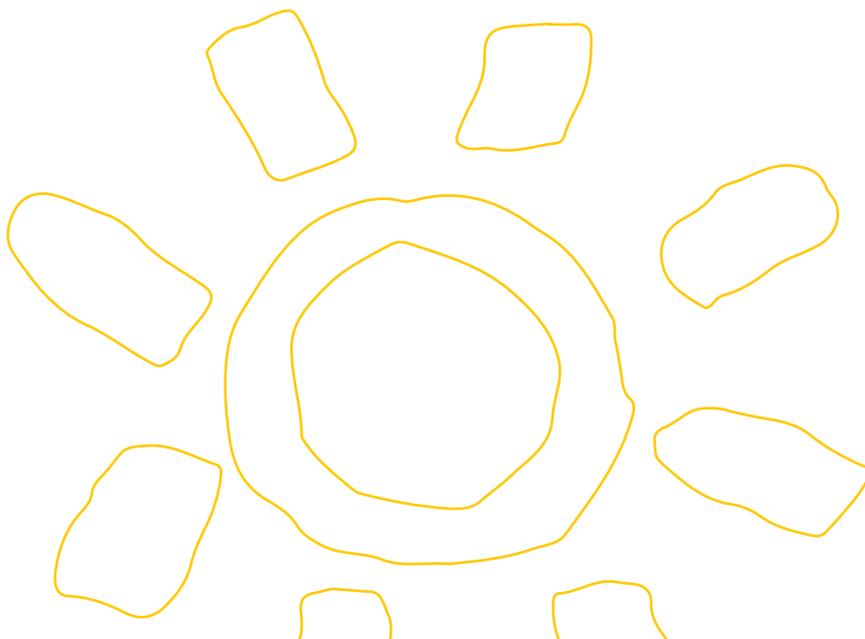
Although there have been many advances in natural childbirth techniques and the increase in cesarean deliveries, there has been no significant reduction in the incidence of brachial plexus damage in recent decades. It has been identified to increase the risk of developing this injury in infants, but there is still no definitive solution to prevent this injury, and children around the world continue to have this problem at birth, sometimes even by cesarean section.

In most of the cases, newborns with brachial plexus birth damage get better automatically within the first year of their life. According to studies, there is a possibility of permanent symptoms in 10 to 25 percent of newborns.

Thanks to the recent medical progress, it is possible to treat these injured cases; but due to lack of specialized medical education and the absence of specific medical equipment needed for the treatment of these kids, there is no definite treatment for them. Timely diagnosis and treatment of this damage can highly affect the long-term recovery of patients.

Zanjireh Omid Charity Institute started this type of surgery with its skilled and specialized team and imported a biologic glue, which is used for both nerve transplantation and nerve graft. Prof. Philippe Valenti's team performed this technique for the first time in Iran.



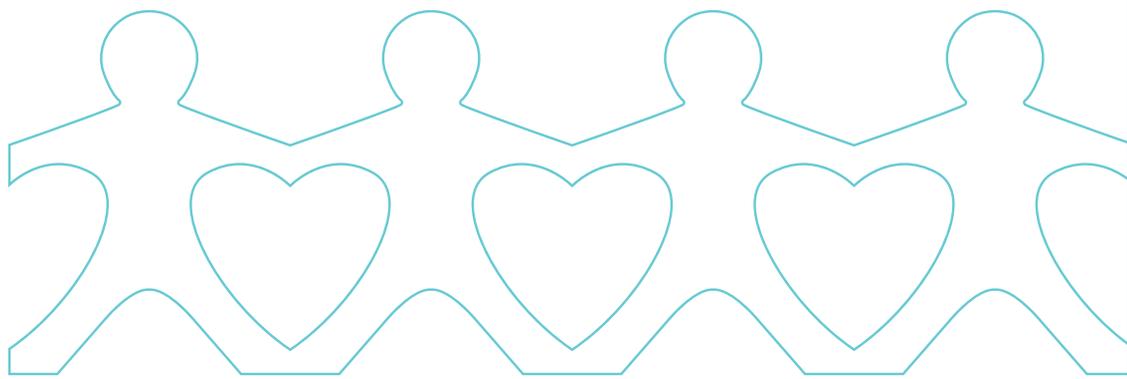


Therapeutic goals:

- 1- Improving the level of knowledge and awareness of hand microsurgery medical teams to treat brachial plexus injury
- 2- Identify children with complications of brachial plexus injury and begin the treatment process
- 3- Informing about the possibility of surgical treatment in these patients in maternity centers and pediatricians and gynecologists.
- 4- Creating the infrastructure and providing the necessary tools, including biological adhesives and microsurgery sets necessary for the surgery of these patients.

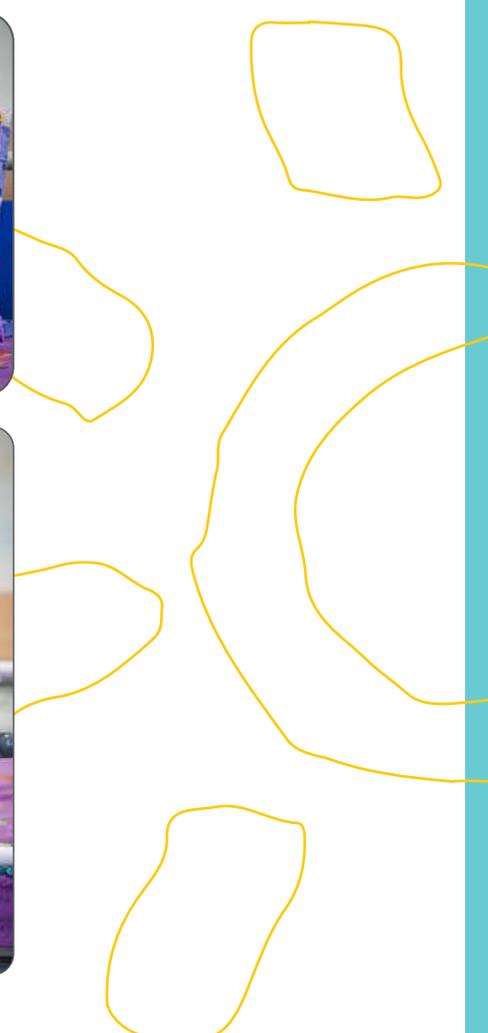
Social goals:

- 1- Reduce the rate of social harms among children who may suffer from the complications of paralysis due to damage to the brachial plexus at birth.
- 2- Improving the situation of families whose child suffers from a treatable disease



6- Establishing and Equipping of Zanjireh Omid Children's House

Zanjireh Omid charity institute has established and equipped a residence with turnover of 30 people including 15 child patients with their mothers. The goal of this project was to provide accommodations and post-op cares for children supported by Zanjireh Omid who have no access to standard treatment in their own hometown. In Children's House various health care services are provided including; rehabilitation clinics, physiotherapy, physical and mental occupational therapy, speech therapy and cleft palate / lip clinics. Considering that the patients covered by the institute are from the deprived classes of the society and many of them come to Tehran for treatment from the other cities of country, therefore the establishment of this center has many social benefits. For instance: reduction of Hospital costs due to the reduction of hospitalization time for children because of the financial problems of patients' families and the impossibility of affording for stay in Tehran during the treatment procedure. Because of these difficult conditions, families generally stopped the treatment of their children in Tehran and returned to their cities. Therefore, this center will provide accommodation for deprived children during and after their treatment.





Medical Goals

Zanjireh Omid provides healthcare services and treatment to underprivileged children whose treatments require long-term accommodation before and after surgeries.

Construction of Children's House would have the following benefits:

1. Doctors' supervision over patients before and after surgery leads to better results.
2. Prevention of hospital-acquired infections via reduction in hospital stays of children.
3. Healthcare services before and after surgery and complementary treatments
4. Increasing space for children who need long-term services.
5. Providing the best rehabilitation services including physiotherapy, mental and physical occupational therapy and speech therapy in accordance with the children's protocol for supporting children of Zanjireh Omid
6. Offering psychology services.

Social Goals

The patients supported by Zanjireh Omid Institute are mostly from lower classes of the society and they need to travel to Tehran to receive treatment services. Construction of Children's House would have the following benefits:

1. Reducing hospital costs due to the decreased hospitalization period of the children at hospital
2. Due to financial problems of the families living in other provinces and lack of accommodation facilities in Tehran, they usually do not continue their children's treatment process and return to their home city. As a result, this center will provide the children and their mothers' accommodation during and after their treatment process.
3. Provision of a safe environment for patients
4. Provision of education to boys and girls by teaching primary courses in order to avoid gap in their education
5. Educational trainings for parents in the form of short-term classes such as basic life skills, social abuses and the ways to provide care for the children after surgery

The most important feature of this project is to achieve the best form of treatment with considering the treatment health care costs.

In this regard, the following steps will be performed for each patient:

- Establishment of specialized clinics by the volunteer doctors of Zanjireh Omid
- Referral of the orthopedic patients for physiotherapy before and after their surgery
- Referral of the patients according to the doctor's instructions in cases who do not require surgery
- Examination and re-visit during the treatment process, to follow up their treatment process by the doctors of Zanjireh Omid

Admission protocol during Covid-10 Circumstances

At the beginning of patients' admission and admission, a rapid Covid test is taken and if the result is negative, their hair is checked before entering the health department and all their equipment is disinfected and they enter with a special uniform.

During the stay of the mother and child, their clinical symptoms are constantly monitored, if the symptoms are positive, they are given the necessary training to deal with the disease, and once a week, a high-speed Covid test is taken to maintain the health of the residents.

They are given daily vitamin pills with two snacks along with meals to strengthen the immune system of mother and child.

It should be noted that during the Covid-19 outbreak, in order to maintain the health of children, their commutation is controlled, patients hospitalized in isolation and undergo treatment, so their length of stay depends on the type of disease progression and It takes at least a month.



7- Treatment Protocol for Cleft Lip and Palate

Specialists treat cleft lip and palate through different methods on various age groups. Since there was no solid treatment protocol and an expert team for treatment of newborns with cleft palate; Zanjireh Omid Charity Institute formed a subspecialty team including: plastic surgeon, genetics consultant, pediatric cardiologist, speech therapist, ENT surgeon, and orthodontist to treat patients based on a solid treatment protocol in accordance with the international standards in order to achieve appropriate results. This helps children regain their health and eventually become a productive member of society.

1-Medical purposes

- A: Achieving the best performance result according to international standards
- B: Achieving the best beauty results according to international standards
- A: Prevention of physical, mental and social diseases caused by these disorders
- D: Prevent nutritional problems swallowing and speech problems
- E: Nutrition training and growth control and timely diagnosis
- F: Timely diagnosis and treatment of diseases associated with the above abnormalities such as heart and skeletal disease
- G: Early diagnosis of associated genetic diseases

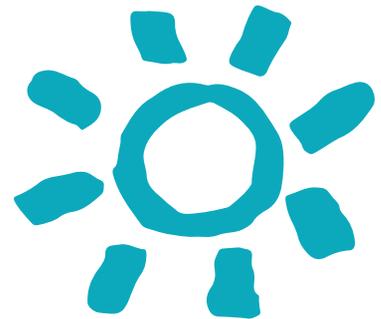
2- Social goals

- A: Relieving parents' worries and the desired psychological effect on the patient and family
- B: Educate parents on how to deal with such anomalies
- C: Prevention of similar cases in the family according to genetic counseling
- D: Reducing the overall cost of treatment for these patients



How to implement the treatment protocol based on international standards with the cooperation of a specialized team

- 1- Visit of patients by a subspecialty team including pediatrician (plastic surgeon, orthodontist, geneticist, ENT surgeon, pediatric internal medicine specialist, nutrition consultant, audiometer and speech therapist)
- 2- Follow-up of accompanying social problems and their treatment by a subspecialty team
- 3- Orthodontic treatment for orthopedic treatment of palate, gums and nose
- 4- Lip surgery in 3 to 4 months by a plastic surgeon
- 5- Perform palate surgery at 9 to 12 months
- 6- ENT surgery if needed
- 7- Start speech therapy at the age of 2.5
- 8- Throat-throat surgery at the age of 4 if there is soft palate-throat failure
- 9- Jaw bone transplantation at 7-9 years of age and orthodontics start
- 10- Final assessment at 17 years old
- 11- Performing reconstructive and cosmetic surgery on the jaw and nose



We remind you that in 1399, due to the coronary crisis and limitations in performing surgeries, 65 patients with complications (cleft lip and palate, burns and congenital anomalies) were operated on and treated by Dr. Hamidreza Fathi, a physician specializing in Zanjireh Omid. And we are trying to update and improve the operating room equipment in the new year to perform subspecialty reconstructive surgeries.



8- Establishing the most equipped children's rehabilitation center in the country

Zanjireh Omid's Rehabilitation Center provides one of the most equipped and complete specialized rehabilitation services for children in the country. In the rehabilitation department of Zanjireh Omid Institute, physiotherapy, physical, occupational therapy, occupational mental therapy, and speech therapy services are presented to children.

The physiotherapy clinic uses equipment and high-tech devices to treat patients in need. In this clinic, equipped and modern electrotherapy devices, including all types of electric currents required for rehabilitation, ultrasound, laser, smart treadmill, and all the equipment needed for therapeutic exercises under the supervision of an experienced physiotherapist are used. The institute's physiotherapist, who is a master of physiotherapy in the clinic, designs and implements treatment programs as carefully as possible. This clinic benefits from the intelligent hydrotherapy system, one of the most advanced hydrotherapy devices of the day.

The hydrotherapy unit installed at Zanjireh Omid International Charity rehabilitation center was successfully installed after overcoming numerous problems caused by the Corona pandemic and numerous closures of manufacturing plants, as well as the rampant inflation created in late 1399. Zanjireh Omid Physical Occupational Therapy Clinic, with its modern training therapy equipment and three experienced and specialized occupational therapists, is responsible for the complete occupational therapy programs for the covered clients. And if necessary, to provide the child's optimal rehabilitation program, the essential advice and training will present to the mothers. In the Mental Occupational Therapy Clinic, the Mental Occupational Therapy Master carefully assesses the problems of mood and learning, cognition and mental concentration, as well as children's fine skills, along with the modern educational and therapeutic equipment available in the clinic alongside the physiotherapy and Occupational therapy completes Zanjireh Omid's circle of motor and mental rehabilitation for children.

In the rehabilitation department of Zanjireh Omid, a general speech therapy clinic and a specialized clinic, Cleft Palate, are open with university professors and speech therapy specialists. Speech therapists use modern and documented scientific therapies to treat children's speech and language problems suffering from these diseases. The speech therapy clinic is also equipped with a nasal endoscopy device, a specialized treatment system for speech rehabilitation of children with cleft palate. The number of centers using this device in the country is minimal, and its existence in a charity medical institution is unique.

It should be mentioned that despite the Covid-19 pandemic in 1399, a total of 3880 rehabilitation sessions were provided, of which 3578 sessions were held online, including exercises (physical and mental occupational therapy and speech therapy) and remotely by Zanjireh Omid rehabilitation staff.



Selection of Volunteer Doctors

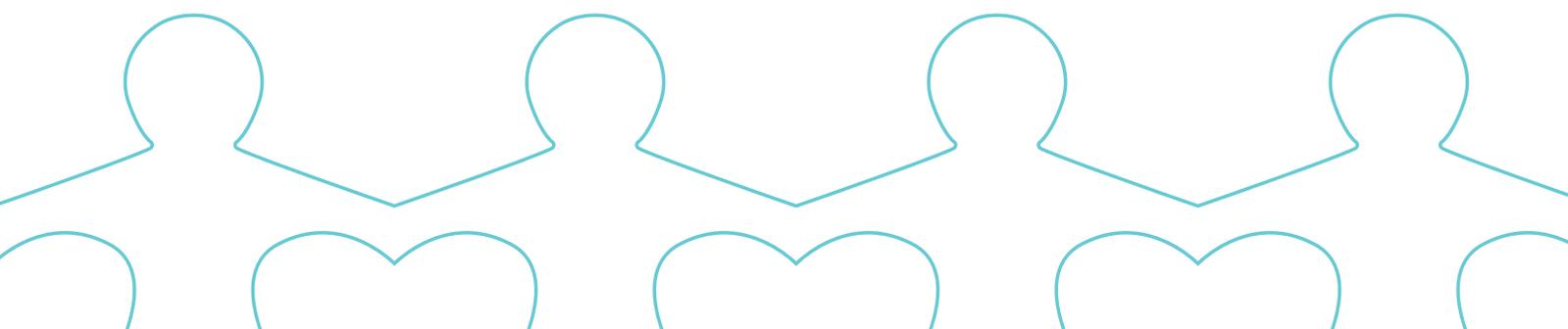
Zanjireh Omid Institute's main goal is to provide top cost-effective medical and therapeutic services based on international standards to underprivileged children under the age of 18. In light of this, volunteer doctors cooperating with this institute are selected with special care. Doctors are interviewed by the academic council of the institute composed of leading academic figures of the country. All of the doctors are selected based on three criteria of specialty, commitment and educational flexibility.

Subspecialty: physicians, who would like to join Zanjireh Omid as volunteers, must hold a subspecialty in orthopedics, cardiac, reconstructive or other fields to be included in future.

Commitment: Considering the fact that patients are from vulnerable social groups suffering from complex disorders, doctors must serve them responsively from beginning to full recovery.

Flexibility in Education: As medical sciences are increasingly developing, volunteer doctors should take part in various academic training courses inside and outside the country and gain latest medical knowledge in their field. Given that medical science is a dynamic science and is constantly improved, Zanjireh Omid has had an international interactions with physicians from other countries to achieve this concern so far.

To achieve its medical goals, Zanjireh Omid selects the top leading specialties with advanced skills in their own field. In addition to the Iranian volunteer doctors, Zanjireh Omid Institute with association of La Chaîne de l'Espoir- France cooperates with French high skilled specialists of the above fields as head groups. This cooperation involves the selection of local volunteer doctors and medical missions to Iran, aiming to enhance academic knowledge of local teams, treat and perform surgeries on cases whose complex treatment would not be possible without such cooperation. When there is a vacancy for an international specialist in the academic board of the institute, their previous experiences are reviewed by the board. Following their selection, they would be invited to Iran to commence their cooperation in treatment and medical training. Zanjireh Omid Institute's mission is to provide the best medical and therapeutic services to needy children and has been successful to fulfill this goal. All volunteer doctors of the institute are Iranian and foreign expert specialists in three fields of cardiac, orthopedic and reconstructive who are well known in Iran and overseas.



List of volunteer doctors

Professor Bahador Alami Harandi

The father of Iranian orthopedic science
Professor, Tehran University of Medical Sciences
Director of orthopedic department of Shariati Hospital



Subspecialty Pediatric orthopedic surgery Team

Spine Surgery

Dr. Saeedreza Mehrpour

Orthopedic specialist, fellowship in spine surgery
President of Shariati Hospital



Dr. Saeed Safaei

Orthopedic specialist, fellowship in spine surgery
Milad Hospital



Dr. Babak Mirzashahi

Orthopedic specialist, fellowship in spine surgery
Imam Khomeini Hospital



Dr. Tarif Masri Zada

Neurology specialist
Necker Hospital Paris



Dr. Kamyar Akrami

Physical medicine and rehabilitation specialist
Sina Hospital



Orthopedic and lower limb Surgery

Dr. Behnam Panjavi

Orthopedic specialist, fellowship in pediatric surgery
Shariati Hospital and Children Medical Center



Dr. Ramin Haji Zargar Bashi

Orthopedic specialist, fellowship in pediatric surgery
Children Medical Center, Shariati, Bahrami and Nour Afshar Hospitals



Dr. Hossein Nabian

Orthopedic specialist, fellowship in pediatric surgery
Shariati Hospital and Children Medical Center



Hand Surgery

Philippe Valenti

Orthopedic surgeon, traumatology of hand and shoulder
Institute de la Main, and Bizet Clinic at Paris



Dr. Reza Shariar Kamrani

Orthopedic specialist, fellowship in hand surgery and peripheral nerves
Shariati, Khatam-al-Anbiya and Nour Afshar Hospitals



Dr. Leila Zanjani

Orthopedic specialist, fellowship in hand surgery and peripheral nerves
Shariati Hospital and Children Medical Center



Subspecialty Pediatric cardiac Team

Prof. Pascal Vouhe

Pediatric cardiac surgery subspecialist
Georges-Pompidou Hospital-Paris



Prof. Francois Lacour-Gayet

Cardiac surgery subspecialist
Oman Royal Hospital



Prof. Mohammad Ali Navabi Shirazi

Pediatric cardiac surgery subspecialist
Children medical center hospital



Prof. Hasan Radmehr

Pediatric cardiac surgery
subspecialist



Children medical center and Imam Khomeini hospital

Dr. Mohammad Reza Mirza Aghaian

Pediatric cardiac surgery subspecialist
Children Medical Center



Dr. Alireza Dehestani

Pediatric cardiac surgery subspecialist
Children Medical Center hospital



Cardiology

Dr. Abdolrahim Ghasemi

Pediatric Cardiology subspecialist
Modarres Hospital



Dr. Ehsan Aghayi Moghadam

Pediatric Cardiology subspecialist
Children Medical Center hospital



Dr. Reza Shabanian

Pediatric Cardiology subspecialist
Children Medical Center hospital



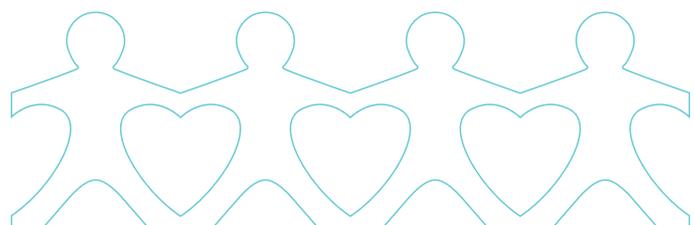
Dr. Catherine Amrein

Intensivist
Necker Hospital in Paris
Pediatric Plastic and Reconstructive Surgeon



Saideh Rastegar

NICU Head Nurse



Subspecialty Plastic surgery team

Prof. Bernard Pavy

Pediatric plastic surgery subspecialist
St. Vincent De Paul Hospital, Paris



Dr. Selim Bennaceur

Pediatric plastic surgery subspecialist
Robert Debre Hospital in Paris



Dr. Hamid Reza Fathi

Pediatric plastic surgery subspecialist
Vali Asr and Amir Alam Hospitals



Dr. Arjang Ghahremani

plastic surgery subspecialist
Vali Asr and Amir Alam Hospitals



Reconstructive

Dr. Mohsen Shirazi Orthodontist

Tehran University of Medical Sciences



Subspecialty Rehabilitation Team

Dr. Seyed Ali Ashraf Alletaha

Head of Rehabilitation Group
Physiotherapist of Zanjireh Omid



Financial Efficiency

One of the special features of Zanjireh Omid Institute is that this charity, in addition to providing medical expenses for sick children, has always emphasized to provide these medical services in accordance with international standards with the highest quality and lowest cost.

The selection of the best Iranian volunteer subspecialty Doctors by the institute and the cooperation and interaction with the Zanjireh Omid France to send international subspecialty medical teams has caused this to happen. Since the beginning of its activity, in the treatment department of the institute, it has been able to provide more than 13,800 sick children, regardless of religion, race, and nationality, in three fields of orthopedics, heart and reconstructive medical services, and subspecialty surgeries. Short-term, medium-term, and long-term educational programs in Iran and France, through medical teams from France and sending doctors to France, have led to upgrading the pediatrics science in the above three fields. Significant savings in the outflow of currency from the country have also been one of the results of Zanjireh Omid charity activities.

1- Expenses in the treatment department

1-1- Clinics and examinations

All clinics, examinations and echoes performed by Iranian and foreign volunteer doctors of Zanjireh Omid were free of charge.

Cost table of free examinations performed on 13,800 children in Zanjireh Omid

Description	Cost in Zanjireh Omid in Tomans	Cost in the community in Tomans	Cost reduction percentage
Each covered patient is examined at least once by a subspecialty Doctors free of charge (Heart patients have also benefited from Echo)	0	1,220,000,000	100%

1-2 Treatment and surgery

The surgeries performed by foreign volunteer doctors of Zanjireh Omid were free and the surgeries performed by internal volunteer doctors of Zanjireh Omid were free or with the minimum government K tariff.

Cost table of free surgeries performed by teams sent from France

Description	Cost in Zanjireh Omid in Tomans	Cost in the community in Tomans Based on a uncomplicated surgery	Cost reduction percentage
salary for 3000 surgeries	0	150,000,000,000	100%

Cost table of treatment and surgeries performed on 13,800 children by Iranian and foreign volunteer doctors of Zanjireh Omid

Type of disease	Cost in Zanjireh Omid in Tomans	Cost in the community in Tomans	Cost reduction percentage
Orthopedics	13,500,000,000	127,000,000,000	89%
Cardiac	28,250,000,000	243,000,000,000	88%
Reconstructive	1,163,000,000	15,812,000,000	93%
Total	42,913,000,000	385,812,000,000	89%

2- Expenses in the field of medical education

Sub-specialized medical trainings in Zanjireh Omid are done in three ways:

1-Short-term training during the presence of medical teams sent from the French chain of hope (so far 150 teams have been sent to Iran.)

2-Observation Course by sending 152 people to France

3-Long-term training (Fellowship) by sending 3 people to France for one year

The dispatches made in the above three paragraphs amounted to eight hundred and forty thousand (840,000) Euros, for which Zanjireh Omid Charitable Institution did not pay any amount. Because on the one hand, the doctors sent were members of Tehran University of Medical Sciences, and on the other hand, it was done under the supervision and coordination of the Ministry of Health, Treatment and Medical Education, so considering the cooperation between Iran and France Transactions with the French Chain of Hope, these costs are provided by the French Embassy in Iran and the French Chain of Hope.

Expenses provided by Zanjireh Omid- France or the cultural department of the French Embassy in Iran for Dispatching a doctor

Description	Costs in Zanjireh Omid in euros	Costs in the community in euros	Cost reduction percentage
Round trip tickets for teams from France	0	200,00	%100
Cost of sending 152 people to France for training	0	532,000	%100
Cost of sending 3 people to France for a long period	0	108,000	%100
Total	0	840,000	100%

Important medical achievements of Zanjireh Omid for the first time in Iran

These achievements, which were achieved for the first time in the country by Zanjireh Omid charity, are the result of cooperation and interaction between Zanjireh Omid of Iran and the French Zanjireh Omid to achieve international standards and prevent the outflow of currency from the country.

1- Correction surgery above 100 degrees of the spine using a device (Interoperation Nerve Monitoring) with dedicated spinal canal software for the first time in the country

Suppose any advanced scoliosis surgeries are performed abroad, depending on the complexity and length of hospitalization. In that case, it will cost between 100,000 and 500,000 euros, which will significantly save currency by performing it in Zanjireh Omid.

Cost table of a free complex scoliosis surgery by Iranian and foreign volunteer doctors of Zanjireh Omid.

Cost table of a free complex scoliosis surgery by Iranian and foreign volunteer doctors of Zanjireh Omid

Description	Average cost in Zanjireh Omid in Tomans	Average cost in the community in Tomans based on normal and doable things in the country	Percentage reduction in costs compared to normal cases in Iran
Perform a complex scoliosis surgery	12.000.000	100.000.000	88%

2- Successful chest surgery using a surgical instrument called “Nuss” for the first time in Iran by the medical team of Zanjireh Omid Charitable Foundation

3- Toe to Thumb Transfer for children whose hand does not have a finger

Cost table of free surgery for the child by Iranian and foreign volunteer doctors of Zanjireh Omid

Description	Cost in Zanjireh Omid in Tomans	Cost in the community in Tomans	Cost reduction percentage
Perform a surgery	2,000,000	100,000,000	98%

4- Brachial Plexus Palsy (nerve transplantation using biological glue instead of sutures) and nerve graft

Cost table of free surgery for the child by Iranian and foreign volunteer doctors of Zanjireh Omid in the years of 1395 to 1399

Description	Cost in Zanjireh Omid in Tomans	Cost in the community in Tomans	Cost reduction percentage
Maternity Paralysis Surgery 160	260.000.000	3.600.000.000	93%

5- Neonatal cardiac mortality reduction project, with the launch of NICU at the Pediatric Medical Center

In 2013, during a meeting with Prof. Pascal Vouhe, Professor of Pediatric Cardiac Surgery, Necker Hospital, Paris, and informing about the low postoperative mortality rate in Paris Children’s Hospital (less than one percent). Comparing it with the notable percentage of pediatric heart mortality in Iran (23% in the Pediatric Medical Center) institute’s managing director decided to implement a structural project to reduce pediatric cardiac mortality and increase the percentage of developed countries. After three months of studies and evaluation of the causes of this high mortality rate by the institute, the following was obtained:

- Lack of teamwork among medical staff
- Lack of trained nurses for proper care before and after surgery (Pre Op, Post Op)
- Lack of NICU in the only pediatric heart center in Iran
- Lack of sufficient and up-to-date equipment in the intensive care unit
- Lack of proper and up-to-date operating room equipment
- Insufficient salaries of pediatric cardiac intensive care unit nurses

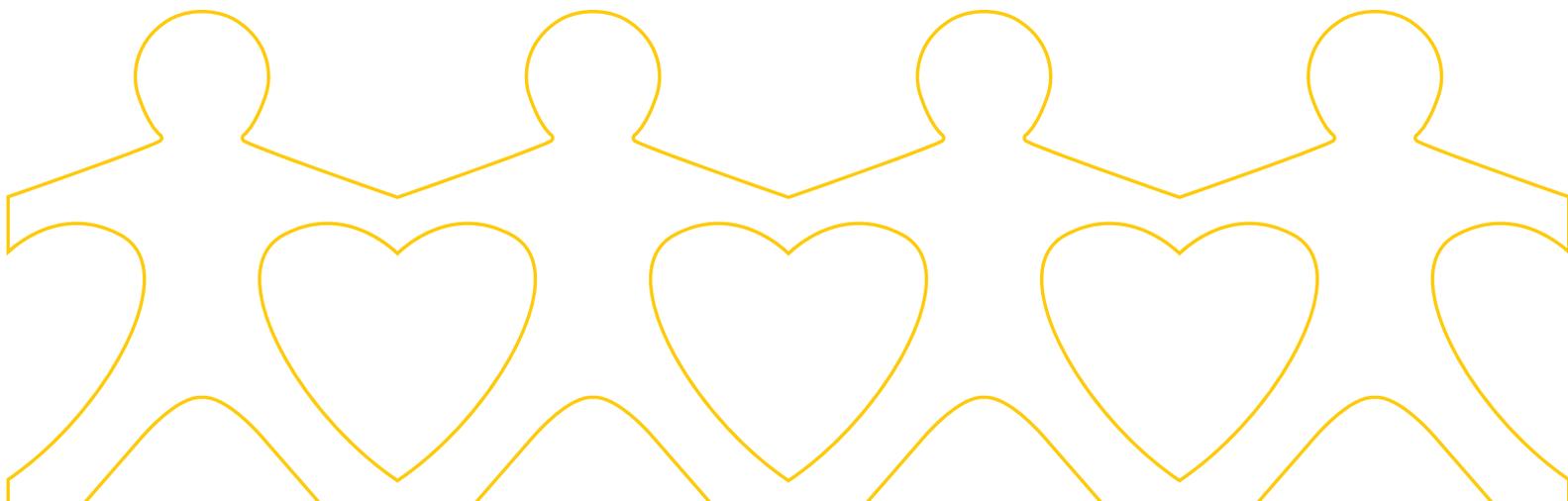
About 60 nurses, pediatric heart surgeons, pediatric cardiologists, and an intensive care specialist have been trained during this time. This training has been carried out by foreign teams in Iran as well as sending local specialists to France. Postoperative child mortality rates at the Pediatric Medical Center have decreased from more than 23.4% to 4.7% in the year of 1399.

Cost table of the Zanjireh Omid’s project for reducing infant mortality in the only subspecialized center for pediatric heart (Children’s Medical Center) in 1392 (It should be noted that the cost of construction and equipment of this department is calculated with foreign exchange costs equivalent to 1392 and These costs are now multiplied).

Project Description	Project cost by Zanjireh Omid in Tomans	Project cost outside the Zanjireh Omid in Tomans	Cost reduction percentage
Establishing and equipping of NICU Children’s Medical Center by Zanjireh Omid	7.200.000.000	14.000.000.000	49%

6- Treatment of infants with congenital cleft lip and palate abnormalities from birth to adulthood in the form of a protocol

Zanjireh Omid Charitable Organization with a subspecialty team (including a plastic surgeon, genetic counselor, pediatric internal medicine subspecialist, speech therapist, audiologist, ENT surgeon, orthodontist, and prosthetist) and by adopting a treatment protocol under international standards in line with a treatment process to achieve the most complete desired therapeutic result. This allows these children to live in full recovery as useful members of society. These surgeries are performed by the team of doctors of the institute in the center medical hospital, and its orthodontic procedures are performed in the Children’s House of Zanjireh Omid.



Description	Cost in Zanjireh Omid in Tomans	Cost in the community in Tomans	Cost reduction percentage	Patient Payment in Tomans
Perform any reconstructive surgery	1.000.000	15.000.000	93%	0
Orthodontics for a child	2,000,000	8 - 20 Million Tomans	75-90%	0
Perform 30 sessions of speech therapy	1.500.000	1.800.000	17%	0
Performing visits and echoes by a pediatric cardiologist	0	350.000	100%	0
Performing maxillofacial surgery	1.500.000	40.000.000	96%	0

7- Establishing and equipping a children's House - with a capacity of 140 patients per month

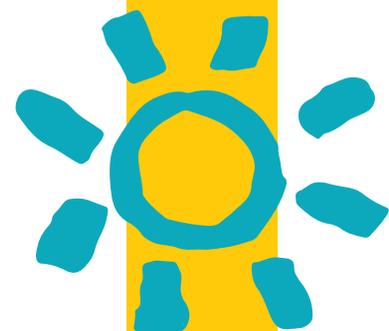
In this center, treatments and intensive care are provided to patients before and after the operation, and also a rehabilitation clinic including physiotherapy, physical, mental and speech therapy according to the children's protocol, and a clinic for cleft lip and palate project have been set up in this institute.

Cost table of completely free rehabilitation services provided to children at Zanjireh Omid children's House in the years 95 to 99

Row	Description	Number of sessions	Amount in Tomans	Patient Payment in Tomans
1	Physiotherapy	6460	1.369.641.650	0
2	Physical occupational therapy	7960		
3	Mental occupational therapy	4720		
4	Speech Therapy	2895		
Row		22,035		

Completely free hotel cost table for patients of the nursing unit of Zanjireh Omid children accommodation in the years 95 to 99

Number of children with the mother	The total length of stay is up to date	Cost in Zanjireh Omid in Tomans	Cost in the community in Tomans	Cost reduction percentage	Patient Payment in Tomans
4300	12573	2,231,000,000	4,112,000,000	46%	0



Other projects of Zanjireh Omid Charity regarding the expansion of medical facilities in the country

1- Construction and operation of a pediatric educational hospital with more than 400 beds with a focus on pediatric subspecialty surgeries, along with a pediatric inpatient rehabilitation center, a pediatric trauma center and a research center, as well as a pediatric accommodation center next to the hospital.

LBOT contract with Tehran University of Medical Sciences

After holding several meetings with Tehran University of Medical Sciences, Zanjireh Omid Institute, after eight months of negotiations with the legal team of Tehran University of Medical Sciences, succeeded in signing a 95-year LBOT contract with this university. According to this contract, a 26,000 square meter land in the Javadieh area of Tehran on the west side of Baharloo Hospital was given to Zanjireh Omid for 95 years. Zanjireh Omid institute must build a hospital with more than 400 beds focusing on pediatric surgery, Pediatric Research Center, a Rehabilitation center, a children's hospital, and a children's House.

2- Reconstruction and equipping of the pediatric heart clinic in Shahid Modarres Hospital in Tehran In 1397, the institute reconstructed and equipped space of 100 square meters in Modares Hospital. Rooms were built in different partitions: waiting room, secretary room, vital signs measuring room, examination room, echo room, typing room, washing room, milk room, and exercise test room.

All required medical equipment along with office equipment, including echo device, exercise testing device, tilt test device, vital signs monitor, IV STAND ceiling, digital blood pressure monitor, mercury sphygmomanometer, EKG Holter, refrigerator, other devices Medical as well as a complete set of office equipment was prepared and installed at the clinic.

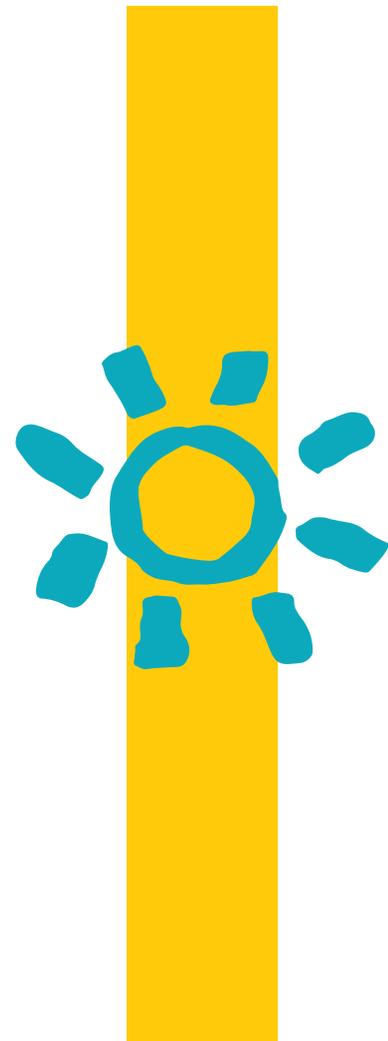
Project Description	Cost in Zanjireh Omid in Tomans	Cost in the community in Tomans	Cost reduction percentage
Construction and equipment of the clinic	900.000.000	2.000.000.000	55%
Annually, more than 9,000 children as well as 1,500 pregnant women benefit from the diagnostic and treatment services of this clinic			

3-Reconstruction of PICU unit in pediatric medical center

According to a contract between Zanjireh Omid charity and the children's medical center, the children's intensive care center was built by Zanjireh Omid, including renovating the hall and installing antibacterial flooring, installing anti-electrostatic and antibacterial wall coverings, creating a comprehensive ventilation system, and installing lights. Anti-fog lamps, all from the best brands in the world. Equipping the PICU department was inaugurated by Dr. Hashemi, Minister of Health, and Mrs. Maryam Marashi, managing director of Zanjireh Omid Charitable Organization.

With the opening of this center, the Zanjireh Omid Institute has taken an important step towards eliminating the lack of specialization and equipment in pediatrics field.

Project Description	Cost in Zanjireh Omid in Tomans	Cost in the community in Tomans	Cost reduction percentage
PICU Medical Center Reconstruction	560.000.000	900.000.000	38%



Description “Medical services in accordance with international standards with the highest quality and lowest cost”

1- The highest quality: Since providing the highest quality medical services under international standards for children under 18 years of age at the lowest cost has always been the motto of Zanjireh Omid charity, the selection of physicians working with this institution is particularly sensitive. Done. These physicians are selected with the review and approval of the institute’s scientific council, consisting of the country’s top professors and university veterans. Three indicators of specialization, commitment, and educational flexibility are involved in selecting all these physicians.

1-1 Specialization: First of all, Physicians who intend to work with Zanjireh Omid as volunteers must have a subspecialty in orthopedic, cardiac, and reconstructive fields and other fields of pediatric surgery that will be added in the future.

1-2 Commitment: Considering that the institute’s patients are from the most vulnerable sections of society and are considered medically complex cases, the collaborating physician is obliged to treat these patients from the beginning to complete recovery and be committed and accountable.

1-3 Educational flexibility: Considering that the institute’s patients are from the most vulnerable sections of society and some of them are considered as medically complex cases, the collaborating physicians should be committed and responsible and treat them from the beginning to complete recovery.

With this approach, in order to achieve medical and therapeutic goals, the physicians associated with this institute are always among the most prominent and specialized physicians in their field. In addition to fellow in-country physicians, Zanjireh Omid Institute, in collaboration with the French Chain of Hope (La Chaine de L’espoir), works with the most experienced medical professors in the three disciplines as mentioned above. This cooperation aims to select medical teams and partner with groups that are sent to Iran voluntarily. This cooperation aims to improve the scientific level, exchange scientific information, treatment, and surgery, things that would not be possible in our country without this. In selecting international collaborating physicians, after announcing the need for the scientific council of the institute and reviewing their work records, they are invited to Iran to cooperate in the discussion of treatment or education. Zanjireh Omid Institute is committed to providing the best health care to covered children and has not hesitated to do so over the years. All the collaborating Doctors of Zanjireh Omid Institute are experts and specialists in three fields of cardiology, orthopedics, and restorations known in the country and the world.

Zanjireh Omid Institute, while raising the level of quality in providing medical services, has always tried to give the best medical equipment used in these treatments from reputable companies.

2- Lowest cost: The activities of Zanjireh Omid are both in the field of treatment and in order to expand the treatment structures and promote pediatric medicine. For this reason, the credit of these activities by the institute has caused a significant reduction in costs. This institute has reduced its expenses even in office and administrative cases through the Managing director's support and the non-withdrawal of his salary and his great help.

Cost effectiveness in Zanjireh Omid International Charity

Cost reduction in Zanjireh Omid is made in two ways:

1- The cost of medical services provided to patients or the Institute's activities for the development of medical structures in the country, accompanied by a reduction of the expenses by medical centers or suppliers.

2- Providing medical services or carrying out activities to develop medical infrastructure and training of volunteer doctors, which is done by Zanjireh Omid charity. The institute has paid no financial costs for these matters; therefore, it practically leads to a significant cost reduction. These include Non-receipt of salary by the Managing director and the Board of Directors, free short and long-term training courses for doctors and nurses in France, non-receipt of salary by Iranian and foreign volunteer doctors for surgery, free consultation, non-receipt of wages by the senior supervisor of the institute to carry out the project of establishing a pediatric hospital.

The following is a detailed description of the reasons for the reduction in costs in different areas:

1-2 Reduce treatment costs

Suppose the sick child needs treatment and surgery. In that case, a benevolent person can pay all the costs of the patient's treatment and surgery in the medical centers in accordance with the usual expenses in the community to financially support the patient's family. This procedure in Zanjireh Omid charity is entirely different, both in terms of quality and costs, because treatment costs in Zanjireh Omid are significantly reduced without compromising the high quality of treatment. For instance, a donor can help more children by paying the same amount of money instead of paying that money in the community to treat a single sick child.

The reasons for the reduction in medical expenses at Zanjireh Omid Institute are as followed:

1-2-1- Free examinations, echocardiography, and ECG of children by internal and external volunteer doctors of Zanjireh Omid

1-2-2-Performing subspecialty surgeries for free by foreign doctors of Zanjireh Omid.

1-2-3- Providing some equipment used in surgery for free, brought to Iran by foreign medical teams.

1-2-4- Performing free subspecialty surgeries with a minimum government K tariff by Iranian doctors in Zanjireh Omid.

1-2-5- Accommodation or hospitalization for children's Pre_Op and Post_Op with the mother in the children's house for free.

1-2-6- Providing rehabilitation services including physiotherapy, physical, occupational therapy, occupational mental therapy, and speech therapy for children at the children's house for free.

1-2-7-Free orthodontics for children who are in the treatment process of cleft lip and palate project.

1-2-8-Providing medical equipment and consumables needed for surgeries from the best brands at a reduced cost, with a very high discount, or for free.

1-2-9-Special discount for hospitalization costs from the hospitals contracted by the institute

1-2-10- By carrying out projects such as performing very complex surgeries for severe spinal deviation (scoliosis), reducing infant mortality with heart disease, and brachial plexus surgery (Brachial Plexus Palsy) by Zanjireh Omid in Iran to a significant extent, Care has been taken to prevent the outflow of currency.

1-2-11-Carrying out joint medical projects with international organizations such as the United Nations High Commissioner for Refugees (UNHCR), the Danish Refugee Center (DRC), and Relief International.

2-2 Reducing the costs associated with expanding treatment structures and promoting pediatric subspecialty medicine

2-2-1- Construction and equipment of NICU Open Heart in building No. 2 of Children's Medical Center

2-2-2- Donation of all equipment in the orthopedic operating room of the Children's Medical Center by Zanjireh Omid

2-2-3- Equipping the clinical department of pediatric heart in Modares Hospital of Tehran

2-2-4- Construction of PICU in building number 1 of the children's medical center

2-2-5- Equipping the cardiac operating room of Modares Hospital in Tehran

2-2-6- Establishment of Nerve Monitoring Device for Scoliosis Surgery in Shariati Hospital, Tehran

2-2-7- Procurement of plastic surgery and implant equipment for volunteer doctors of the institute

2-2-8- Providing the possibility of free short-term training for domestic doctors through the presence of 150 incoming teams of foreign doctors

2-2-9- dispatching institute's volunteer Doctors to supplementary training courses abroad for free (funding is provided by cooperation with the cultural department of the French Embassy in Iran and the French Chain of Hope), including through medium-term Observation Course and long-term Fellowship The educational activities of Zanjireh Omid are to promote pediatric subspecialty medicine. So far, 152 people have been sent for medium-term courses and 3 for one-year courses.

2-2-10- Training of the institute's rehabilitation team with the protocol of children

2-2-11- Training of NICU nursing and specialized groups for neonatal mortality reduction project and Pre-Op and Post_Op scoliosis Operations

2-2-12- Starting the project of building and equipping a hospital with more than 400 beds for children to provide sub-specialized services as well as training and education of medical staff to promote pediatric subspecialty medicine in the country

Zanjireh Omid Institute is a charity that is active in providing specialized medical services for children and the best of its ability in developing medical and educational settings.

3-2-Reduction of office and administrative costs

3-2-1- Donation of salaries of the managing director and the Board of Directors by them to the institute

3-2-2-The location of the institute's office is free of charge by the managing director for ten years (her assistance continues as much as possible)

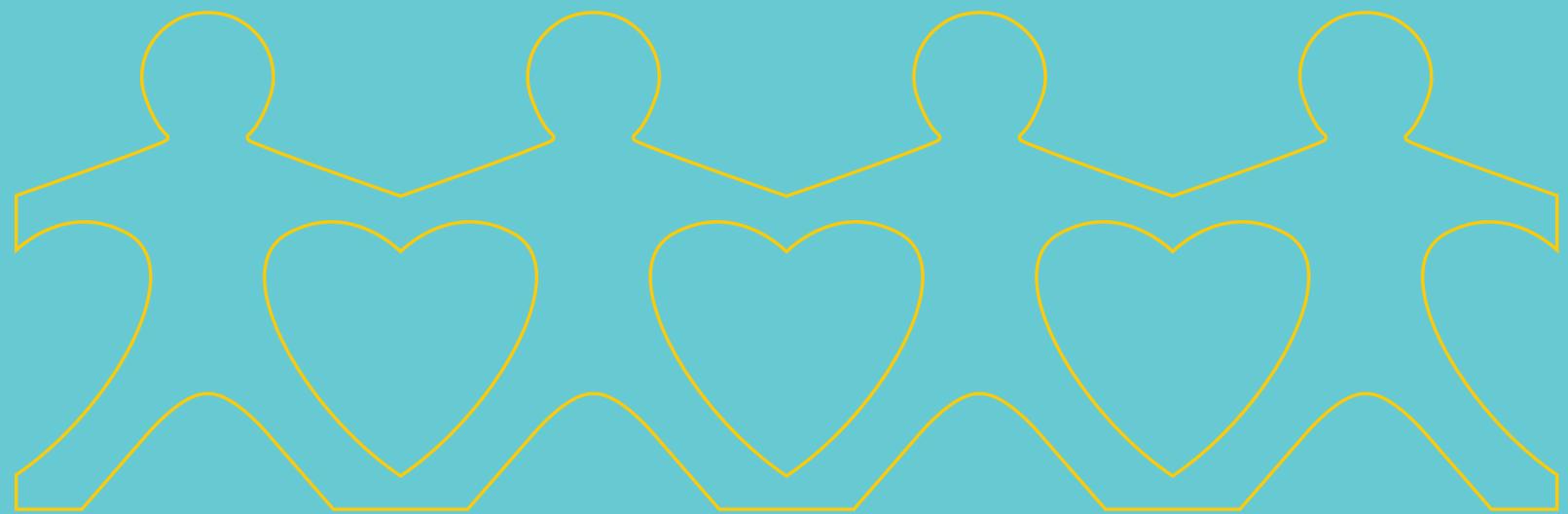
3-2-3-One-year full sponsorship of the collection, including office equipment, office renovation, and treatment costs by the managing director

3-2-4-Donation of food and health and annual packages for patient's families

3-2-5- Donation of office equipment from the Australian Embassy under the DAP project and other real and legal sponsors

3-2-6- Donation of physiotherapy and treatment equipment from the Embassy of Japan under the GGP project (3 times)

International and Local Partner Organizations and Institutes



Partner domestic institutions

Tehran University of Medical Sciences (TUMS)

TUMS's school of medicine is one of the most prominent and largest medicine school in Tehran and Iran. The main mission of this school is to train physicians and to provide medical health cares for public. There is a close relation between Zanjireh Omid and the faculty members of Tehran University of Medical Sciences, and almost 98% of Zanjireh Omid volunteer doctors are TUMS faculty members. Thanks to international interactions, Zanjireh Omid has been able to promote pediatric academic level in three fields of cardiac, orthopedic and plastic surgery at TUMS by holding short-term and long-term training courses. In addition, TUMS and Zanjireh Omid signed a 95-year land lease contract for construction of a pediatric hospital in the south of Tehran.



Ministry of Health and Medical Education

In addition to monitoring health care centers across the country, and managing medical universities, ministry of health aims to provide health care services to individuals by providing required facilities. Iran's Ministry of Health supports Zanjireh Omid in the construction of 430-beds pediatric hospital.



Ministry of Foreign Affairs of the Islamic Republic of Iran

The Iranian Ministry of Foreign Affairs, as a government organization, has always supported Zanjireh Omid charity several times. These cooperation areas include inviting active international organizations in Iran, foreign embassies residing in Iran to participate in programs, markets, and the Institute's events. At the Ministry of Health's request, the Consular Office of Iran's Ministry of Foreign Affairs has made it possible for the Institute to facilitate visa application and issuance for foreign doctors working with the Institute. The Iranian Embassy in France has always been a supporter of the Institute. To advance the Institute's affairs in France and connect with the chain of hope of France and other foreign companies cooperating with the Institute in Paris, such as APHP, the Embassy tries to facilitate and collaborate for humanitarian affairs.



Bureau for Aliens and Foreign Immigrants Affairs (BAFIA)

BAFIA facilitate international agreements made between Zanjireh Omid and other international NGOs. BAFIA also issues the treatment permissions for refugees supported by Zanjireh Omid. Moreover, BAFIA introduces foreign refugees including child patients to Zanjireh Omid institute. Zanjireh Omid has separate tripartite agreements with United Nations High Commissioner for Refugees, Danish Refugee Council and Relief International every year in which BAFIA acts as a third party in them.



Country Welfare Organization

Zanjireh Omid Charitable Foundation has interacted with the Welfare Organization of the country for many years and has treated and supported the sick children introduced by this organization, and has provided medical services and special surgeries to more than 2030 of these loved ones so far. Following these interactions, with the sincere cooperation of Dr. Ghobadi Dana, the esteemed head of the Welfare Organization, a joint 5-year memorandum of understanding was signed between that organization and Zanjireh Omid Institute in September 98.

According to this memorandum, sick children under the age of 18 who are patients



of the Welfare Organization and suffer from heart disease, orthopedics, and rehabilitation are introduced to this institution by the country's welfare departments to be examined for free.

After providing medical and surgical services or providing the patient's medical equipment, with the Welfare Organization's help and cooperation, a part of the treatment's costs significantly reduced by this organization's support, which will be paid to the institute, to provide inquiries for the living conditions of patients introduced by Zanjireh Omid Institute throughout the country.

Zarin Roya Group

"Zarrin Group" has started producing "My Baby" baby diapers since 2000. Other products of this group for Iranian families are "My Lady" sanitary napkin, "Easy Life" adult folder, and "Kokumi" baby diaper.

Since the My Baby brand is based on "kindness," its goal is to provide "care" for children; Zarrin Roya Company, to fulfill the My Baby brand's social responsibility, has supported Zanjireh Omid Charitable Foundation by a memorandum of understanding since November 2009. During this time, 600 children with heart disease were supported by Zanjireh Omid charity.



Raha Charity Institute

In the critical situation of the outbreak of coronary heart disease, Zanjireh Omid Children's House was closed for several months, but during this period, 800 patients and their companions were relocated under the pre-protection conditions along with the shelters introduced to Zanjireh Omid by the Raha charity.

Companions are said to be designed and constructed to accommodate the patient's companions in the event that the patient goes to a city other than his or her place of residence for treatment. In some cases, this set also includes space for the patient to stay. In the ward, patients' companions will use the hospital hotel facilities that are located in or near the hospital, which can provide appropriate services to the patient's companions.



Karsaz Charity

Zanjireh Omid charity has benefited from the financial support of Karsaz Charity, in order to purchase the equipment needed for the operating room to perform reconstructive surgeries and treatment.

Karsaz Charity is a group of successful economic activists who are active in the fields of trade, construction and production and for many years have decided to create a charity with a specialized approach to benefit from the latest international experience and social organization of specialized forces. Identify effective methods of deprivation and Solving Them.



International partner institutions

La Chaîne de l'Espoir

La Chaîne de l'Espoir was created under the auspices of Doctors of the World by Professor Alain Deloche, in 1988 and became an independent humanitarian charity in 1994. It is now chaired by Dr. Eric Cheysson. La Chaîne de l'Espoir intervenes in nearly 30 countries and on the scene of major humanitarian disasters. The institute is devoted to treatment of needy children and each year, 100,000 children are beneficiaries of these cares.

Zanjireh Omid charity institute operates as an independent branch of French-based La Chaîne de l'Espoir organization based on a signed agreement in 2007. Since then, La Chaîne de l'Espoir has been collaborating with Zanjireh Omid, organizing missions on a regular basis in the form of: missions and training courses. La Chaîne de l'Espoir sends French surgeons to Iran to perform operations on children and to share their practical and theoretical knowledge with local teams. An average of seven missions are organized each year. Since our cooperation 150 missions has been conducted by La Chaîne de l'Espoir and La Chaîne de l'Espoir accommodates Iranian surgeons who wish to complete their trainings in France in cooperation with the French Embassy in Tehran. Every year more than 152 Iranian doctors travel to France to spend short-term training courses. Iranian Medical Teams pass their training courses at French hospitals including Robert Debré Hospital and Necker-Enfants Malades Hospital in Paris. 152 Iranian physicians has been sent to France for short-term observation courses and three physicians for long-term training course. We have taken a big step towards the promotion of pediatric subspecialty medicine by sending doctors in the country and the arrival of international teams.

These two institutes continue their cooperation with main focus on Zanjireh Omid pediatric hospital project. They aim to train the healthcare workforces of the future hospital in France and Iran through a joint plan. Chaîne de l'Espoir also supports the project internationally.

Assistance Publique – Hôpitaux de Paris (AP-HP)

AP-HP also known as Assistance Publique – Hôpitaux de Paris is the largest hospital system in Europe and one of the largest in the world, it provides health care, teaching, research, prevention, education and emergency cal service in 52 branches of medicine. It employs more than 90,000 people (including 15,800 physicians) in 44 hospitals and receives more than 5.8 million annual patient visits.

Zanjireh Omid signed two consultancy contracts with APHPI to carry out a feasi-



bility study for the new pediatric hospital including medical staff, equipment etc. In the first contract, which was signed in January 2017 in Paris, APHPI paid visits to different pediatric hospitals in Tehran and they held various meetings with officials of the Ministry of Health and the president of Tehran University of Medical Sciences. APHPI delivered a comprehensive feasibility study and a business plan together with a medical plan, which included all the information necessary for constructing, operating, equipping and running the hospital project. APHPI Company also prepared the construction plans and the concept design of the project with the help of Tina Farayand engineering company. According to the second contract, signed in January 2018 in Tehran, APHPI became the advisor of the project for 5 years to assist in the construction of a pediatric hospital and train the human resources of the future hospital. During these five years, APHPI will provide technical assistance and project management for the project and they will supervise the equipment process room by room.

French Embassy in Iran

Embassy of France has been cooperating with Zanjireh Omid for the past 13 years. They support Zanjireh Omid activities and projects, and the French Ambassadors in Tehran have continuously supported Zanjireh Omid activities and its structural projects. The cultural section of the embassy covers the short-term training expenses of volunteer Zanjireh Omid's doctors. So far, 153 doctors have been sent to France. The consular section issues visa for Zanjireh Omid's doctors.

United Nations High Commissioner for Refugees (UNHCR)

Zanjireh Omid Charity Institute has started its cooperation with UNHCR through a tripartite agreement between this institute, BAFIA and UNHCR in 2013 to treat the underprivileged refugee children. A percentage of treatment costs of documented refugee children are covered by UNHCR. Since the beginning, Zanjireh Omid Charity Institute has treated the refugee children who were not supported by UHNCR and covered rest of their treatment costs; not no mentioned that the treatment costs of these patients are highly staggering.

Danish Refugee Council (DRC)

DRC is a private Danish humanitarian organization, founded in 1956. It serves as an umbrella organization for 30 member organizations. DRC initiated its cooperation with Zanjireh Omid in 2017 and it signed a joint agreement with Zanjireh Omid by which a number of refugee children received financial aid for their treatment. According to the contract, 60% of the costs are paid by Zanjireh Omid and 40% by DRC. In general, 40 children received support through this joint project.



Grant Assistance for Grassroots Projects (GGP)

Japanese government supports structural projects to meet various needs of developing countries. This program which is called Grant Assistance for Grassroots Projects or GGP supports programs offered by NGOs or local governments. GGP is a flexible funding scheme which provides assistance for development activities that benefits sectors at the grassroots level. Zanjireh Omid has received GGP grant three times for the following structural projects in health care field: 1. Purchase of physiotherapy and rehabilitation equipment items at Children's House 2. Purchase of Echocardiography machine for Modares Hospital Cardiology Project 3. Purchase of Echocardiography machine for Children Medical Center's NICU. The mutual cooperation between Zanjireh Omid and Japan's embassy in Tehran still continues.

It should be mentioned that Mr. KONNO, the first secretary of the Japanese Embassy, and his entourage attended the national project of Zanjireh Omid Children's Subspecialized pediatric Hospital in November 2016, during which visitors visited the institute's medical activities, medical and health facilities, as well as medical activities.

Direct Aid Program of Australian Embassy

Australian Embassy of Tehran supports Iranian NGOs and communities to contribute to a wide range of programs including poverty reduction, health, agriculture etc. through the Direct Aid Program (DAP). DAP is an annual competitive flexible small grants program funded from Australia's aid budget. Zanjireh Omid received DAP grant to upgrade and purchase new IT and Multimedia facilities in order to serve patients more efficiently.

Also, some items and furniture belonging to this embassy were given to the collection for free during the two shifts, and among these, the donation of hydrotherapy device Zanjireh Omid rehabilitation center was one of the biggest support items of this embassy. Head of Rehabilitation Department and in the presence of a representative of Zanjireh Omid International Charity.

In general, the Australian Embassy has made significant contributions to Zanjireh Omid Charity through direct assistance under the name of DAP (upgrading and enhancing the quality of equipment, especially in the public relations sector and upgrading the rehabilitation sector by donating hydrotherapy equipment).

It should be mentioned that the Honorable Ambassador of Australia to Iran visited this institution on May 29, 1398 and expressed his gratitude and support.



Grant Assistance for
Grassroots Projects



DLSG Group

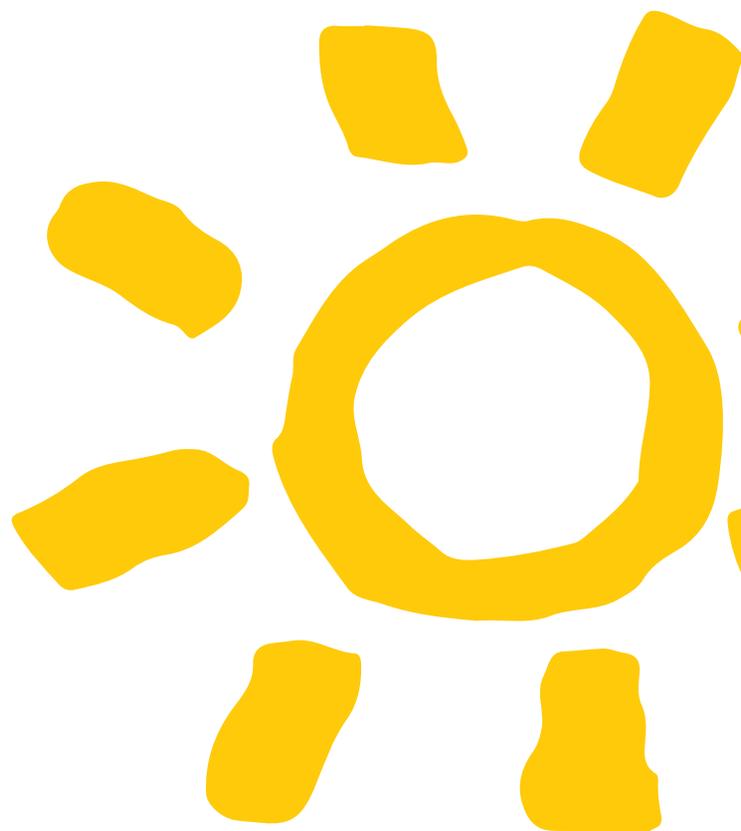
The Group of Women and Spouses of Foreign Diplomats Residing in Iran (DLSG) works with Zanjireh Omid Institute for many years. Also, it is a longtime supporter of the Zanjireh Omid Institute. This group has always supported the therapeutic and charitable activities of the institute. They participated in Zanjireh Omid Institute's winter charity bazaar in February 98. The group sold various international souvenirs and snacks in Zanjireh Omid's sales booth. They devoted and donated the obtained money to Zanjireh Omid to treat and help deprived children in need.



Vatican Embassy

During the meeting between Bishop Leo Boccardi, Ambassador of the Vatican, and Mrs. Maryam Marashi, Managing Director of Zanjireh Omid Charity; The honorable Ambassador on behalf of the Holy Father Mr. Pope Francis, consulted with the director of the Bambino Gesù Pediatric Hospital in Italy, and arrangements were made for the hospital to cooperate with Zanjireh Omid.

Also in 1399, an online meeting was held between the CEO and the international medical team of Zanjireh Omid with the medical team of Bambino Gesù Hospital. In this meeting, Maryam Marashi, CEO Zanjireh Omid, Dr. Hamidreza Fathi, Specialist in Plastic Surgery, Dr. Shahriar Kamrani, Specialist in Hand Orthopedics, Dr. Shervin Bedou, Specialist in Pediatric Neurology, Dr. Mohammad Reza Mirza Aghaeian, Specialist in Cardiac Surgery, and Dr. Massimiliano raponi) Medical Director, Carlo Efisio Marras, Chief Neurosurgeon, Paola Giovanna Volpi, responsible of international activities were be presented.



List of Contracted Hospitals

Zanjireh Omid uses the volunteer medical subspecialty team to achieve the desired quality of treatment. Therefore, considering that this institute's focus is on various subspecialty physicians, it has concluded contracts with hospitals where the volunteer doctors are working.



1- Children Medical Center

No. 62, Close to Imam Khomeini Hospital, Dr. Gharib St., Keshavarz Blvd., Tehran



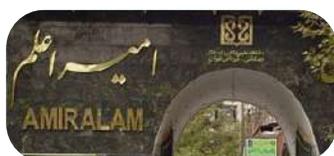
2- Imam Khomeini Hospital

End of Keshavarz Blvd., Tehran



3- Vali Asar Hospital, Reconstructive Department

Imam Khomeini Hospital Complex, End of Keshavarz Blvd., Tehran



4- Amir Alam Hospital

Sa'di St., Enghalb Ave., Tehran



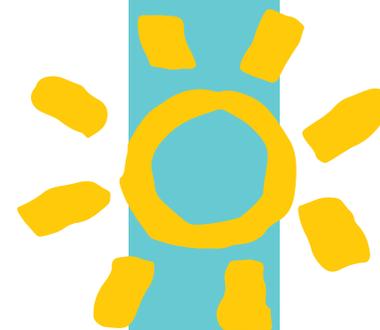
5- Shariati Hospital

Jalal Al Ahmad Highway, North Karegar St., Tehran



6- Bahrami Hospital

Shahid Kiaei St., Damavand Ave. , Imam Hossein Sq., Tehran





Educational-Medical Practices

Training qualified medical workforces is one of Zanjireh Omid's objectives, the institute provides required facilities for Iranian pediatricians to develop pediatrics, continue their education and obtain fellowship. There are two types of training: 1) short-term trainings in Iran including diagnostic clinics and academic lectures 2) and long-term trainings in France including observer and clinical academic courses.

Short-term Training Courses

In short-term training courses La Chaîne de l'Espoir medical teams travel to Iran to visit patients, perform surgeries at partner hospital with cooperation of local medical teams including fellowships, residents and surgeons, and deliver lectures at academic centers. International medical teams present latest academic achievements in medicine to local doctors by holding academic lectures under the supervision of Iran's Ministry of Health and university faculties.

Short-term trainings are parts of educational and academic practices of Zanjireh Omid International Charity Institute, which involves cooperation between local and foreign doctors, helping them share their experience and introduce latest medical techniques and methods to local teams. After selection of complex cases in accordance to their diagnosis and the institute's annual schedule, Zanjireh Omid volunteer doctors follow up their treatment procedures during the presence of international medical teams. In order to promote the academic level of medical centers, the doctors sent to Iran by La Chaîne de l'Espoir, deliver lectures in academic and educational events, examine patients at clinics and perform operations during their stay. This cooperation causes to promote the academic level of medical academic center. 150 medical teams in three fields of cardiac, orthopedic, and reconstructive have been sent to Iran since the establishment of the institute.

Long-term Training Courses

In addition to providing medical services to children in need, Zanjireh Omid aims to improve the quality of pediatric subspecialty mainly in cardiac, orthopedics, and reconstructive fields. To reach this goal, the institute sends volunteer physicians to France to attend clinical and observer courses at medical centers or the academic conferences. Upon their return, the doctors are responsible to not only treat the children supported by the institute, but also employ their new skills to promote the quality of medical care in pediatrics and pass on their knowledge to their colleagues. It should be mentioned that the travel expenses of local medical teams to France are covered by La Chaîne de l'Espoir and French Embassy of Tehran.

Free Diagnostic Clinics

Since the beginning, Over 16000 children have been examined at free diagnostic clinics of Zanjireh Omid international charity.

Due to the coronavirus pandemic, the holding of subspecialty clinics with the presence of international doctors was temporarily postponed, but patients are referred to domestic doctors for examination, surgery and treatment.

3clinics were held by international and local volunteer specialists last year, in which 1050 children in orthopedic, cardiac and reconstructive field were examined.

A large number of patients are visited by Zanjireh Omid's volunteer doctors at hospitals.

It should be noted that since the establishment of Zanjireh Omid Institute, 13,800 sick children have been undergone subspecialty treatments and surgery.

No. of operated patients of Zanjireh Omid International charity (2007- March 2020)

Type	No.of Iranian Patients	No.of non-Iranian Patients	Total
Orthopedic	5820	1340	7060
Cardiac	3884	2010	5894
Reconstructive	1015	332	1347
Total	10,719	3682	14,401

No. of Subspecialty treatments and operations Zanjireh Omid International Charity patients(2020)

Type	No. of Iranian Patients	No. of non-Iranian Patients	Total
Orthopedic	390	174	564
Cardiac	173	398	571
Reconstructive	39	26	63
Total	602	596	1198

Orthopedic clinics

Orthopedic clinics consists of three subspecialties: Hand orthopedic clinics, lower limb orthopedic clinic and spine clinic. These clinics are held all around the year by volunteer doctors of Zanjireh Omid institute.

It should be noted that in addition to visiting patients in specialized clinics, Zanjireh Omid Institute provided any of the sick children who needed treatment but were currently admitted to the hospital. Due to the global epidemic of coronavirus and to protect the health of clients; Clinics (presence of international doctors) have been temporarily postponed, and visits and clinical examinations of children with the presence of subspecialty doctors at Zanjireh Omid Children's House in accordance with health protocols.



Orthopedic clinics held in 1399

Specialized orthopedic clinic with the presence of Dr. Zanjani

In this clinic, the examination of children with Arab paralysis or childbirth paralysis was held at Zanjireh Omid Children's House in the presence of Dr. Zanjani and Dr. Arabzadeh.

An important point in the treatment of these children is the timely use of a tool called a special biological adhesive (Nerve Transplantation) and a nerve repair system (Nerve Graft) that is used to repair the damaged nerve network. This system has been used for the first time in Iran by Zanjireh Omid hand surgery team under the supervision of Professor Philip Valenti.

This clinic was held due to the prevalence of coronary heart disease and observance of health protocols in special conditions and was dedicated to 7 patients who were treated in the golden time due to the problem of the brachial plexus (labor paralysis or erb) and time plays a vital role for them. has it. Of these, 5 patients are candidates for surgery and 2 patients will continue other stages of treatment. According to global statistics, out of every 2,000 children born, 3 children are injured at birth due to injuries of natural childbirth and sometimes cesarean section of the brachial plexus, which if left untreated can have permanent and lasting effects.

After surgery, it plays an essential role in repairing and healing the patient's nerves. In the current

situation, these services are performed remotely (using virtual sessions) for clients by Zanjireh Omid treatment staff.



1399 Events

October 1399

olding a meeting of the Vatican Ambassador with the managing Director of Zanjireh Omid Charity

After three meetings between the Managing Director of Zanjireh Omid and Mr. Leo Boccardi, the honorable Ambassador of Vatican Embassy in Iran; on behalf of the Holy Father Mr. Pope Francis, consulted with the director of the Bambino Gesù Pediatric Hospital in Italy, and arrangements were made for the hospital to cooperate with Zanjireh Omid.

The Vatican ambassador gave a donation from Pope Francis (Pope Francis) to help refugee children in Iran, which was donated to Zanjireh Omid by the Pope's representative for charity, Cardinal Krajewski.



November 1399

Mr. Konno, First Secretary of the Japan Embassy and their Companions at the Omid Hospital Project Site

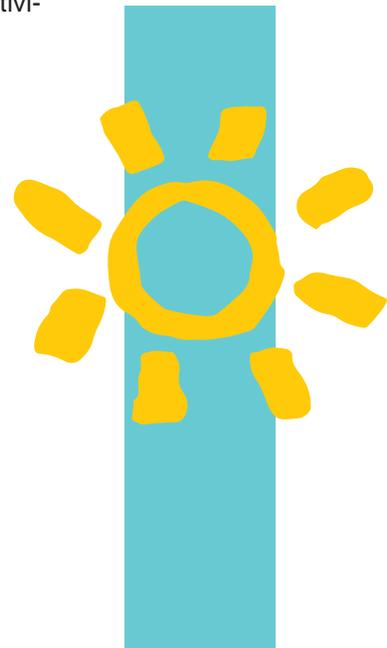
During the meeting with Ms. Maryam Marashi, Managing Director of Zanjireh Omid International Charity at the site of the hospital construction project, the visitors were introduced to the institution's medical activities, medical and health facilities, as well as medical activities performed. At the end, the First Secretary of the Cooperation Department of the Japanese Embassy and his entourage visited the excavation site of this national project.



January 1399

Online meeting between the Managing Director and the medical team of Zanjireh Omid with the medical team of Bambino Gesu Hospital in Italy

In this meeting, Maryam Marashi, CEO Zanjireh Omid, Dr. Hamidreza Fathi, Specialist in Plastic Surgery, Dr. Shahriar Kamrani, Specialist in Hand Orthopedics, Dr. Shervin Bedou, Specialist in Pediatric Neurology, Dr. Mohammad Reza Mirza Aghaeian, Specialist in Cardiac Surgery, and Dr. Massimiliano raponi) Medical Director, Carlo Efisio Marras, Chief Neurosurgeon, Paola Giovanna Volpi, responsible of international activities were be presented.

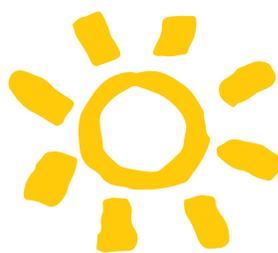


February 1399

Reopening of Zanjireh Omid Children's House

On January 26, 2021, after a year of closure of the residence due to the outbreak of Covid-19; Zanjireh Omid Children's House was reopened by full compliance with health protocols and self-declaration forms, rapid Covid-19 testing and clinical examinations, and by the spring of 1400; Fifty-five children, accompanied by their mothers, received accommodation services.

For patients in Children's House to strengthen their immune system, 5 times a day the institute served them with immune system medicines, including Zinc tablets, vitamins D and C, as well as masks and antiseptic alcohol are provided.



Holding Birthday parties for children living in the Children's House

Every month, a birthday party is held at Zanjireh Omid Children's House. The sympathetic supporters of the children, by accepting the birthday party's expenses and holding it, create happy and memorable moments for the children.

March 1399

Support packages

Since March 6, 2021, more than 2250 support packages including beans, pasta, paste, oil, meat, rice, dates, chocolate, detergents and hygiene products, toys and clothes, as well as other items needed have been donated to patients and their families.





March 15, 2021 collaboration of Zanjireh Omid Charity and Zarrin Roya Company

Visiting the progress of Zanjireh Omid Children's Hospital project, which is the first and largest pediatric surgery hospital in Iran and the Middle East and is being built by Zanjireh Omid International Charity, due to the Covid-19 pandemic with the presence of a small number of donors and members of the media Health protocols were held with the support of Zarrin Roya Company.

In this program, Maryam Marashi, CEO of Zanjireh Omid International Charity, spoke about the construction of children's subspecialty hospital, which is a very important national project and will be built for the first time in the country and the Middle East. It has arrived and its continuation requires the support and cooperation of everyone.

In this ceremony, the Managing Director of Zanjireh Omid presented a project called Ajour Namad that three groups of donors can participate in this Project:

1. Big donors can get all their financial reports from Zanjireh Omid and register the room or bed in their own name if they wish.
 2. Average donors can register a brick in their name forever by buying each brick for 200,000 Tomans with their signature and QR code.
- In the project that Hamrah-e-Awal has provided to Zanjireh Omid with the coordination of the Minister of Communications, in the spring 1400 mass SMS will be sent to Hamrah-e-Awal subscribers that subscribers can participate in the construction of the hospital by choosing through * 540 # 300 Tomans per day.

On the sidelines of the program, the Managing Director of a report on the 14-year performance of the charity and added about the cooperation with Behzisti: Despite surgery, despite the Covid crisis, 1,023 sick children from all over the country have been treated and operated on in Zanjireh Omid since May 1399.

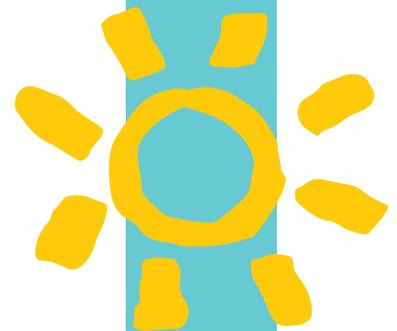
In this program, the documentary film of Omid children directed by Mohammad Reza Jahanpanah was shown and Arash Toosi from Zarrin Roya Company also expressed his satisfaction with the cooperation with the charity and asked all the donors to participate in the construction of the hospital.



Private screening of the documentary (Children of Hope) at the hospital project site

In an event held on March 14, 2021 in cooperation with Zanjireh Omid Charity and Zarrin Roya Company at the hospital project site with the presence of a group of supporters it should be noted that all of the health protocols observed at the event, the documentary film (Children of Hope) directed by Mohammad Reza Jahanpanah was screened.

This documentary is a continuation of the documentary (Hey Humans) directed by Ms. Rakhshan Bani-Etemad.

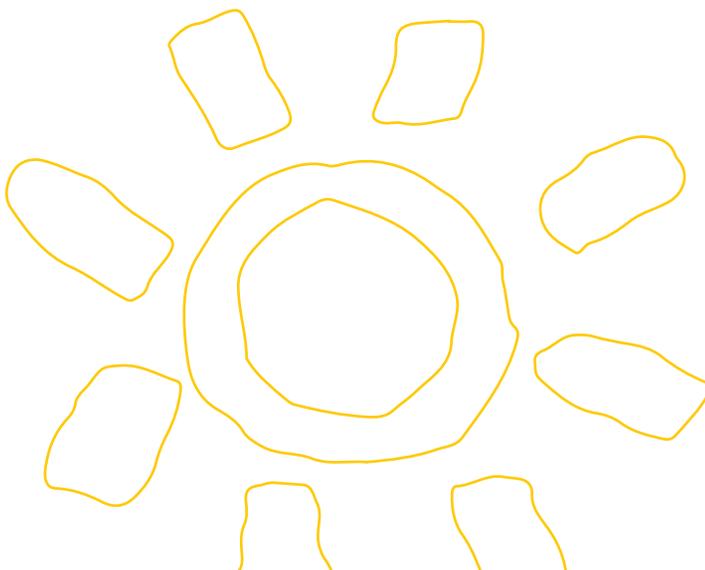


Corona Crisis Management

In the last month of 1398, we faced the spread of the Coronavirus and the psychological and social consequences of this outbreak. Children and mothers hospitalized at the institution's Children's House experiencing postoperative and rehabilitation services were faced with a wave of fear and ambiguity about the conditions for coping with this virus. In this situation, some non-emergency pediatric surgeries were canceled by their doctors in March due to possible hospital infections with the Coronavirus. Different and various steps were taken to manage this crisis, and also effective measures were taken at other health, education, and prevention levels, to continuing the treatments.

In this regard, from the beginning of March, we gradually discharged the previously admitted patients with great caution and accuracy according to the health protocols of the Ministry of Health regarding the observance of health and preventive points. Colleagues working in the rehabilitation department (physiotherapy unit and mental and physical occupational therapy) teach mothers one by one to about the conditions of their children's home exercises and presented the mentioned items in separate booklets or educational videos for each child to mothers. During this period, their training has continued in the form of virtual communication. Each mother had a virtual connection with her child's physiotherapist or occupational therapist individually, examining the circumstances so that the child's rehabilitation's golden time would not be lost by disconnecting.

It should be noted that in 1399, despite the corona virus pandemic, 1,050 patients were treated and operated on a case-by-case basis by volunteer doctors of Zanjireh Omid. But the dispatch of doctors and the arrival of foreign doctors was temporarily postponed. In this critical situation and temporary closure of the Children's House; 800 patients and their companions were accommodated under supportive conditions in accommodations introduced to Zanjireh Omid by the Raha Charity, However, due to the need for some patients to stay in Tehran to follow their treatment and because the rehabilitation services of some patients lasted more than a month; In early January 2021, with full compliance with health protocols and filling out self-declaration forms, high-speed Covid-19 testing and clinical examinations, the residence was reopened and 55 children, accompanied by their mothers, benefited from the accommodation services.



Other Conditions during the Pandemic are as follows:

- 1- Provide preventive training to institute members who can use health programs to keep themselves and others around them safe from disease.
- 2- Necessary training to follow up and perform health activities and distribute masks, gloves, and hygienic soups among patients and their families staying in the children's house.
- 3- Quarantine care center and prevent unnecessary entry and exit to the Children's House.
- 4- Timely discharge of non-emergency patients by preparing a free ticket to visit their cities or villages.
- 5- Follow-up treatment of emergency children without the need to visit the institute and contact the hospitals contracted by the institute to be treated and operated on in the shortest time and return to their hometown.



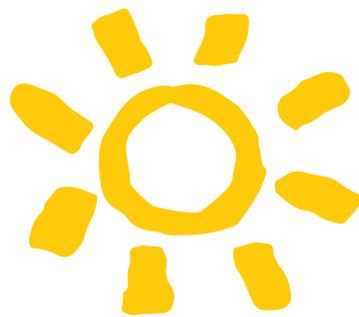
Structural Projects of Zanjireh Omid

Refugees Project

Title: solution strategy for treatment of legal, illegal and stateless refugee children and bringing them back to normal life

Necessity of the Project: As mentioned earlier, Zanjireh Omid has been providing top medical services in accordance with global standards at the minimum cost for underprivileged children under 18 regardless of their race, religion or nationality since its foundation. There is large number of refugees living in Iran and the cost of their treatment, particularly specialized treatment, is several times higher than for Iranian patients. It should be mentioned that low quality and delayed treatment, in addition to physical problems can cause long time disability for them, according to the article 5 of the Declaration of the Rights of the Child, we should resolve this issue. As per The Declaration of the Rights of the Child, Zanjireh Omid Institute attempts to remove the discrimination these children face due to their birth origin. With regard to the treatment priority of Zanjireh Omid's patients, the underprivileged legal, illegal and stateless children can benefit from therapeutic services according to the international standards irrespective of domestic laws of countries.

The project beneficiaries: refugee children under 18 living in Iran (legal, illegal and stateless) with cardiac, orthopedic and reconstructive diseases.



Modarres Clinic Project

Establishment of a cardiac clinic for diagnosis of cardiac problems and provision of medical and echocardiography services to newborns and children with heart conditions

Necessity of the Project: Patients were visited 5 times a week at Modares Hospital clinic. Some of patients received echocardiography at the clinic. Due to low quality of echo machine installed at the clinic (Brand: Kontron), accurate echo and fetal echo of pregnant women was nonviable.

There were no monitoring facilities nor injectable medications for types of echocardiography requiring injections such as contrast echo or stress echo. Moreover, there was neither a receptionist nor medical imaging archive system. There was no tilt test and cardiac stress test services as essential tools for pediatric cardiac teaching at pediatric cardiac department of Modarres Hospital, which is governed by Shahid Beheshti Medical University. All of the above issues caused reduction in children's recovery rate because of inaccessibility to timely diagnosis and treatment. Equipment of this cardiac clinic by Zanjireh Omid helped children access accurate diagnosis, timely treatment procedures, and high quality care and eventually regain their health.

Implementation of the project: a space of 100 square meter inside Modares hospital was reconstructed and the location was partitioned off into the following sections: waiting area, receptionist room, room, examination room, Echo room, typing room, laundry, milking room. All the required medical equipment along with office equipment were purchased and installed at the clinic.

Medical equipment items including: Echocardiography machine, cardiac stress test device, Tilt test machine, vital signs monitoring machine, IV stand, digital blood pressure gauge, mercury blood pressure gauge, EKG Holter, drug fridge, other medical and office equipment were installed at the location.

Zanjireh Omid International Charity Institute spent over 1 billion Tomans on reconstruction, renovation and equipment of this clinic. The costs were funded by supporters and companies. It should be mentioned that Echocardiography machine installed at this clinic has been funded by GGP grant of Japan embassy in Tehran.





Zanjireh Omid Hospital Project

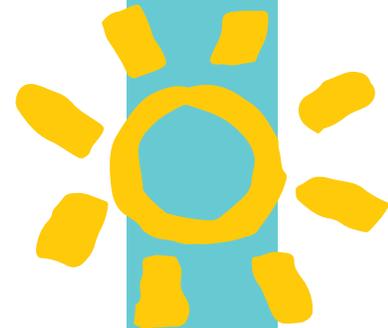
The necessity of establishing a pediatric subspecialty hospital in Tehran:

In any society, children are considered the most valuable human resources for the future of the community. According to the World Health Organization, 30% of children worldwide are born with congenital disabilities, which alone account for 20% of childhood deaths, especially during infancy. Out of 21 common congenital disorders at birth, 14 children require surgical interventions in the first year of their life. If they would not be treated at that time, they can have severe and unpleasant effects on the child's developmental or functional process. The number of hospital beds in the country currently does not meet the demand for hospitalization. According to the Ministry of Health officials, 105,000 hospital beds are required to meet current and near-future needs. Estimated by government facilities and in the absence of non-governmental sectors to facilitate the process of hospitalization or reconstruction of existing medical facilities, completing the required number of beds in the country will take almost 40 years. Although several adult hospitals have been built during recent years, it seems that the construction of children's hospitals, especially in the subspecialty fields, has



received less attention.

Tehran is a city that faces many problems, including crowded suburbs, air pollution, heavy traffic, urban-rural migration, and earthquake risk. Also, since most pediatricians are based in Tehran, building such a hospital in Tehran is much more useful than anywhere else in the country and can meet children's medical needs. Because of the population density in the south of Tehran, 20,000 people live there; it needs hospital care in the field of children. Undoubtedly, such a need is especially vital in the southern parts of the city.





To reach these goals, Zanjireh Omid had many meetings with the officials of Tehran University of Medical Sciences, Ministry of Health, and after 8 months of negotiations with TUMS team of lawyers, Zanjireh Omid signed a 95-year LBOT contract. According to this contract, a 26000 m² land located in south of Tehran, is leased to Zanjireh Omid for 95 years.

In order to build the hospital in accordance with the current and future needs of the country and in compliance with International pediatric hospital standards, Zanjireh Omid decided to conduct feasibility studies. With regard to the significance of pediatrics and advice of then Iran's health minister, Zanjireh Omid signed an agreement with APHPI team for conduction of feasibility studies. Considering the activities of Zanjireh Omid, in creating a proper structure according to the needs of the country, decided to conduct feasibility study and business plan, and medical plan for the hospital with cooperation of APHP and Tehran University of Medical Sciences. Zanjireh Omid signed an advisory contract with APHPI to carry out a feasibility study for the new pediatric hospital including medical staff, equipment etc. The contract was for consulting with the company to conduct feasibility studies, economic plans, and medical plans regarding this, during a one-year study, APHP visits different pediatric hospitals and do field researches in Tehran and they attend almost 40 meetings at Ministry of Health and with president of Tehran University of Medical Sciences which all these activities led to the preparation of feasibility studies along with economic and medical plans according to the needs of the country. In September 2017 APHPI after doing the required feasibility studies and missions delivered a comprehensive medical plan to Zanjireh Omid Institute. The contract included feasibility study, business plan, and medical plan. According to the APHPI plan, the main model of the hospital is a hospital with more than 400 beds, which will provide all general and sub-specialized medical services. There



is to be a fully equipped pediatric rehabilitation center serving rehabilitation needs of patients at larger scale based on current activities of Zanjireh Omid. There is to be a 100-bed department dedicated to the long-term rehabilitation care of children with multiple handicap.

One of the main features of the hospital is a research center with main focus on genetics. This center opens new horizons to recent treatment methods and medical advancements in different subfields such as gene therapy, fetus therapy etc. In addition to research activities in medicine, this center will engage in laboratory research.

Considering the lack of pediatric trauma center in Iran, Zanjireh Omid after many observations added a sub-special trauma center to the hospital. This center will meet the needs in the region. Constructing an accommodation center close to the hospital is another feature of this project. since the hospital is a referral one in Iran and in the region, so residency facilities will decrease settlement problems for the family of the patients.

Due to the experience of APHP France and the need for a consultant in this field, they signed another contract with the company (January 2018) for technical consulting and project management as well as training of future hospital staff in Tehran. According to this contract, the above company will provide technical advice and project management in all hospital construction stages for five years. After the hospital's building, all phases of equipping the hospital will be done under the supervision of APHP. According to this agreement, the training program of more than 2000 medical personnel of this hospital will be developed. In cooperation with the French company, they will undergo subspecialty training in Iran and abroad to provide the most up-to-date treatment methods. Do consultant engineering studies and surveys for phase zero and one project based on the consulting contract; the design includes conceptual, financial models, blueprints, and abstract designs. In the next stage, they have started design-

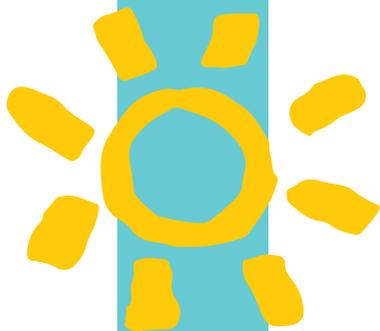


ing operational plans, architectural plans, mechanical and electrical projects. All the prepared maps have been reviewed during many meetings with APHP and Zanjireh Omid team in Iran and France.

For the excavation part of the project, a tender was held to evaluate the contractors. After the evaluations and scoring, the excavation operation started in early March, and by November 1, 1398, the excavation operation was completed along with the nailing of the wall.

During 1399, regular meetings to review the project's progress were held weekly in the Office of Zanjireh Omid, managing director, and the Ministry of Health, Tehran University of Medical Sciences, Tehran, Tehran Municipality, Tehran City Council, District 11 and its subsets, organizations and various government agencies, private companies, etc. all of the meeting were have been formed in order to carry out this great sub-specialized pediatric hospital of Zanjireh Omid. During 1398, Zanjireh Omid Institute issued various hospital construction permits and necessary approvals such as various commissions of Tehran Municipality, obtaining the essential privileges such as water, electricity, gas, telephone, etc. for the project, along with continuing cooperation with departments and organizations.

Following the assessments to begin the construction, the institute decided to proceed with the construction of the hospital on a phased basis. Based on this plan, at the end of the summer of 1400, the construction of one phase of a project with 135 beds will begin, in addition, the operation of the foundation of the main parts of the structure will be carried out so that we will go to the full operation of the children's sub-specialized hospital with more than 400 beds for the health of our children.



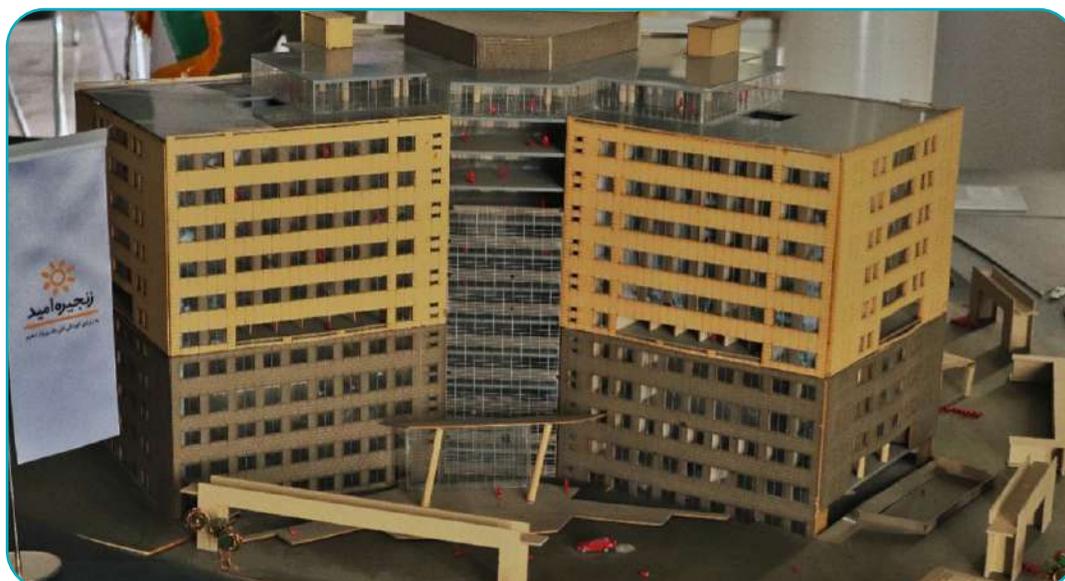
I would like to contribute to the construction of Hospital

If you are interested in participating in the construction of a subspecialty hospital for children of Zanjireh Omid, you can contribute to the implementation of this important project in small or large amounts with your financial assistance. You can find out how to participate in this charity by contacting the sponsorship unit of Zanjireh Omid Institute by this number +98 21 22744808 and +98 21 22744809.

For donors who intend to participate in the project on a large scale, a contract is generally concluded between Zanjireh Omid and the sponsoring individual / company, which sets out all the terms and conditions and obligations. According to this agreement, Zanjireh Omid Institute commits to spend all the received money exclusively for the construction of the hospital and purchase of the related equipment. An individual's name is stated as a donor in this agreement. Dear donors who intend to participate in this project with any amount (lower amounts) can join by paying their desired amount of money. Zanjireh Omid institute should also deliver report on the project's progress to donors.

Participate in the construction of the hospital on a large scale

Donors can help build a hospital by paying for the construction of a section, a bed, or a specific project area.



The website of the hospital and the “Ajoy Namad” campaign: micro participation in the form of buying bricks

Ajoy Namad Campaign is a campaign to financially support donors in the form of micro-donations, in which each person participates by purchasing bricks in order to build a “subspecialty hospital for children of hope”.

The aim of this campaign is that, in addition to the donors who help build the hospital with large funds, other people can participate in the symbolic puzzle of building the hospital, which consists of adjacent bricks, with at least two hundred thousand tomans.

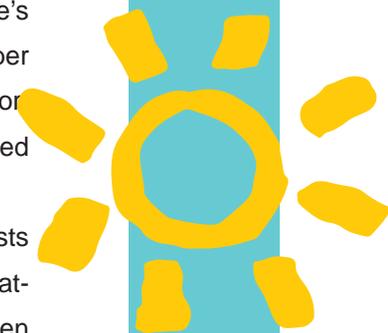
In this campaign, any person can visit the hospital website www.zanjirehomidhospital.com to make a purchase and digitally sign the purchased brick and leave a sentence for the future so that in addition to participating in the construction of the hospital to support the treatment of innocent children, Zanjireh Omid Institute is committed to in line with the social responsibility of this generation; Display the sentence they leave as a part of the hospital architecture or in some way in its Hospital.

The symbol of this lasting wall commemorates the sympathetic efforts of the people for the future health of Iranian children. Zanjireh Omid is committed to collecting these manuscripts and displaying them in the hospital museum or in its architecture in the near future; May this message remind the future of who contributed to this and what precious message they had for them.

I am willing to cover the treatment costs of one or more children:

Donors who are willing to support the treatment of one or more specific children can visit the website at www.zanjirehomid.com or contact the sponsorship department by this number +98 21 22744809, +98 21 22744808. they can choose which children they want to support from the Treatment List of Zanjireh Omid Institute, Zanjireh Omid's treatment list is updated several times a year.

In this list, the information and illness of children in need are mentioned along with the costs paid for their treatment, which sponsors and benefactors can provide the costs of their treatment by selecting the child who wants to support. Donors who support one or more children in Zanjireh Omid will be fully informed about the treatment process and the costs expended for the treatment of this child, and informed about the details of the treatment through the sponsor unit of the institution.



Sick children who refer to Zanjireh Omid; They will not wait for the cost of treatment and payment and as soon as possible and based on urgency; They will be treated along the way. Because some patients are in the golden age of treatment and the passage of this time will lead to irreversible effects for them.

After treatment according to the contract between Zanjireh Omid and the hospital where the treatment and surgery were performed; Costs (which is the lowest cost compared to cost estimates in the community) will be paid by donors and sponsors of Zanjireh Omid.

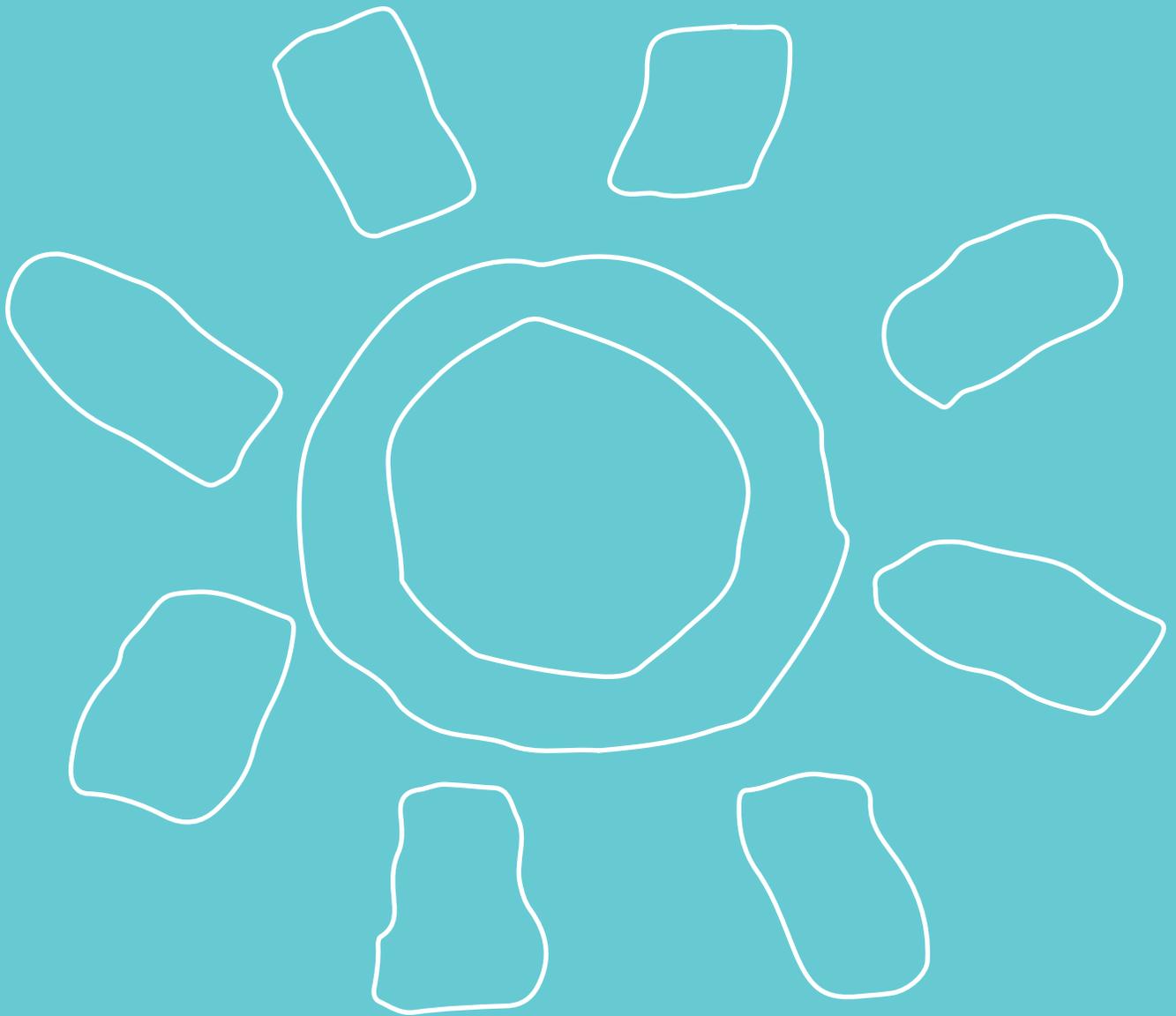
It should be noted that donors who are interested in donating Zanjireh Omid Charity should be careful not to be misused under the title of helping the charity.

Zanjireh Omid Donation Methods:

1. Visiting Zanjireh Omid office in person and paying financial aid and receiving a stamped receipt;
2. Deposit to account number belonging to Zanjireh Omid:

Melli account number(For Pediatric Subspecialty Hospital)	66666
Melli Sheba number	IR:88017000000111368412002
Melli account number Number	6037991899931020
Through online payment	www.zanjirehomid.com
Maskan account number	14003333334
Saman account number	8144015151551
Saman Sheba number	IR:690560081404001515155001
Pasargad account number	3618100160160161
Pasargad Sheba number	IR:380570036181016016016101
Pasargad Card Number	5022-2970-0001-1622
Payment through	*733*7*4# system
Payment through the system	*780*8*2114747#
Payment for amounts up to 10 thousand Tomans	*540 #
Payment through Rubika app and Up and DigiPay	

Zanjireh Omid Charity is responsible for being accountable for the participation of respected donors. Let us know how much you paid for the follow-up. If someone introduced themselves as a representative of Zanjireh Omid and asked to receive financial assistance in a way other than the above, let us know.



Donation box

Donation box is another option to support Zanjireh Omid international charity institute and make contributions to the construction project of 540-bed Omid pediatric hospital

Every house that has a donation box and every donation box that is full will make us one step closer to building a children's sub-specialized hospital.

If you would like to receive a donation box, please call: 021-22747690

Let's draw a smile on her innocent face

Treatment of needy children with cardiac, orthopedic and reconstructive problems
irrespective of religion, ethnicity and nationality

Address: No. 31, Fanakhosro St. Tajrish Sq. Tehran

Telephone Number: 021-22747681

Fax: 021-22747682

info@zanjirehomid.com

Zanjirehomid

www.zanjirehomid.com



بیمارستان کودکان
زنجیره امید



زنجیره امید
بر چهره‌ی کودکی‌اش طرح لبخندی بکشیم



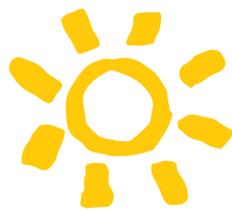
سلامتی کودکان در دستان شما

مؤسسه خیریه بین‌المللی زنجیره امید

ارائه دهنده خدمات کیفی و فوق تخصصی رایگان، برای کودکان زیر ۱۸ سال مبتلا به بیماری‌های قلبی، ارتوپدی و ترمیمی بدون در نظر گرفتن دین، نژاد و ملیت است و در حال ساخت بزرگترین بیمارستان فوق تخصصی کودکان در همه حوزه‌های درمانی می‌باشد.

کمک از طریق کد #۴*۷*۷۳۳* ۱۶۲۲-۰۰۰۱-۲۹۷۰-۵۰۲۲

آدرس: میدان تجریش، خیابان فنا خسرو، پلاک ۳۱ @zanjirehomid zanjirehomid.com ۰۲۱-۲۲۷۴۷۶۸۱



زنجیره امید

**Treatment of needy children with cardiac
orthopedic and reconstructive problems
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