

Pioneer of infrastructural health and treatment

Scientific, technical, implementation, financial, economic, commercial and service



Representing, designing as well as standard performance of the physical spaces, installed facilities, unfixed and medical equipments in medical & health areas.

Introducing capabilities, service under potential representation and the products of Nabz va Darman Group of companies
With the observation of standards, within the domain of engineering - implementing programmes (TURNKEY)
Including hospitals and health, treatment and research cares

Active Tenfold Groups, belonged to the Nabz va Darman holding, are thereby, ready to represent their services in different inpatient wards as well as health, treatment and research areas as hereunder:



The First Group: Special Group.

The Second Group: Overhauling Subspeciality and process founding Group.

The Third Group: Advance Speciality or Reconstruction Group (Standardisation).

The Fourth Group: Overwhelming Management Consultation Speciality Group



The Fifth Group: Financial and Economic Group with the comprehensive outlook into Therapy Economics.

The Sixth Group: Technical and Economic Proficiency Group of Medical Equipments.

The Seventh Group: The Supreme Holding Group.

The Eighth Group: Medical Information Technology Group (Medical IT) within the whole inpatient groups.



The Ninth Group: Standard Identification to designs, calculations and performances group as well as establishing consultation of quality management and education systems for inpatient, health and treatment areas.

The tenth Group: Scientific and Research Section of Nabz va Darman Group of Companies.

Worth mentioning that, this study collection is going to mainly consider the holding groups, with the most responsibility load in this section.



Designing, supervision and implementation within the shape of an international standard procedure and basically standardisation of inpatient, treatment, health and research areas, as well as supporting the spaciality and subspeciality domains are among the responsibilities of this group, of which the hereunder subdivisions could be mentioned:

- · Designing, implementing and establishing standard treatment, health and research areas.
- Observing as well as exploiting from principles, directions and national and global standards, represented by the Tenth Group.
- Designing and implementing the areas based on the specified disciplines, directions and necessities of the Ministries of Health, Care and Education, as well as their principles of evaluation.
- Exploiting from the guidelines of the published treatment constructions in any country.
- Designing the areas, and providing the installations on the basis of the general, speciality and subspeciality medical equipments,
 which will be used in this centre thereafter.
- Adaptation of the needs to standards and scientific disciplines as well as operational capabilities when the necessary areas would
 be designed, along with the consideration of the required medical services and the provided facilities, aimed at receiving the so-called
 services according to the specified conditions of each hub.
- · Making an investigation as a result of which, adapted conditions to out-ward, middle-ward and inner-ward areas will be accrued.
- Making a prediction on medical classes to be held in the highest level possible, and observing all the necessities as well as guidelines, relevant to the health field in order to control and eliminate all contaminations and defilements, along with controlling and reducing the infection.
 Representing and implementing the structure plus the operational activities according to different stages of hurt and disease evolutions, in order to control and even eliminate the epidemic micro-organisms in inpatient hubs, representing the justified design and supporting the project by means of valid reasons to provide financial resources in a way the accrued quality would not be distorted.



- The behavior of the group could be regarded as if sympathetic and also functional. By its very nature, trustable and distinctly precise. Famous for its reduction, done in the repeated expenses during the operational procedures, whose activities being represented according to the high quality of the services provided, for each and every manager of the group, the potent capability in the field of health and cure would be truly justified, for whom multidimensional advantages of human, management, technical, financial and research sources, as well as regularising and transferring the knowledge along with the accrued up-to-dated prestige will be defined.
- The Special Group entails the potential of enhancing the subspeciality hubs within the whole architectural, structure, installations and medical equipment sides, all predicted and programmed in the first day, for which the future development phase would be considered in accordance with the defined standards.
- The group keeps an ever-through control over himself, who could bring you an overall serenity for the whole dimensions of speciality and subspeciality projects.
- Briefly speaking, the Special Group, is completely informed of the architectural structure underground installations –
 medical equipments treatment protocols human and management resources, along with all the existed distresses in the
 so-called fields, in the case of having any co-operation with him, a room for no doubt or mistake will be placed.

The group could be regarded as a valuable help to the conduction of projects, related to the speciality and subspeciality treatment hubs, whether independently or as an aid to mother hospitals, who would be defined as a true provider of representing the physical programmes, designing and implementing different parts, as well as suggesting the proper and qualified physical areas, up-to-dated and necessary installations, and the exact medical equipments, relevant to the field.

This section is going to inform you of the widespread spectrum of experts in different fields to implement the projects, of them we can mention the following team works, each could be defined with their subdivision units:



Technical Experts Teamwork:

For designing and construction calculations and installations as well as medical equipments and IT:

- Architectural Engineers
- · Structural Engineers
- · Mechanical Installations Engineers
- · Electronics Engineers
- Medical Equipments Engineers
- · (Inner) Design Engineers
- · Engineers for Material Selection

Clinical affairs, treatment and operation Experts Teamwork:

This teamwork is formed to present consultation regarding the better functional procedures of the therapists and their better co-operation with the designed areas in order to facilitate the operation, done on the inpatient hubs, entailing the hereunder cadres:

- 2-1) Managers of treatment and inpatient areas
- 2-2) Managers of the progression systems of the hospital
- 2-3) Progressive Managers of the installation and equipment facilities and inpatient protection
- 2-4) Experts of controlling the infection
- 2-5) Speciality and Subspeciality Physicians and Surgeons
- 2-6) Managers of Nursing and technicians





Teamwork of Experts in Management affairs

- 3-1) Quality Management
 - 3-2) Inpatient Equipments Management
 - 3-3) Medical Equipments management for Speciality and Subspeciality areas
 - 3-4) Programming Management
 - 3-5) Financial Resources and Economic Processes Management with the observation of the principles of Therapy Economics
 - 3-6) Human Resources Management
 - 3-7) Inpatient Management
 - 3-8) Management of Protection against Treatment and Inpatient areas

Consultant Teamwork shall be defined as:

- 4-1) Economic Consultant
 - 4-2) Financial Consultant
 - 4-3) Design Consultant
 - 4-3) Under-structural and under-construction Consultants
 - 4-4) Inpatient Implementation Consultants
 - 4-5) Consultants for Establishing Affairs of Management Systems
 - 4-6) Education and Progress Consultants
 - 4-7) Consultants for Research and Prevention Affairs in Speciality and Subspeciality areas of health and treatment

Group 2: Subspeciality Group of renovation and process founding

Sub-division units are as follows:

- 2-1) Unit for designing edifices and physical structures.
- 2-2) Structural Calculations Unit.
- 2-3) Unit for designing and installations of inpatient, health, treatment and research hubs.
- 2-4) Unit of consultant and medical equipment provision.
- 2-5) Unit for representing the relevant standards in each and every section, whether technical or clinical.

Based on the presented projects, the group will comprehensively or separately represent its suggestions from the beginning phase to the end of the project for different stages, according to the conditions of the projects and through proficient investigations, while the viewpoints of the employer or applicants along with the evaluation of the primary needs will be gratingly considered.

The so-called activities are initiated from the moment of receiving the viewpoints, finding models and global standards plus all the relevant issues to the project, which will be continued up to the final phase of designing operations, implementation and exploitation and even services after delivery stage of the project.

Now, subjects as human resources, physical areas, health, treatment – research installations (mechanical and electronic), medical equipments, protection services, exploitation from implementation models and management processes, within the shape of different kinds of services such as, project management could be accordingly discussed, for which proper solution would be represented on the basis of final agreements.

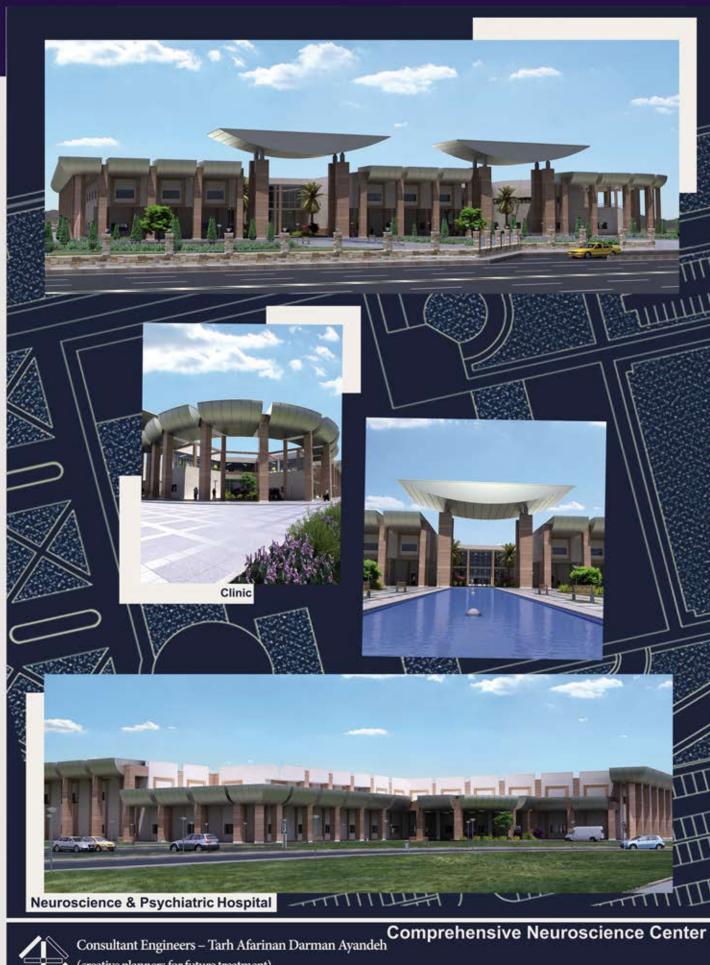
Add to the aforementioned items, representation of consultion and evaluation services, designing accrued from employers' expectations while observing the relevant standards, supervision of the project in the absence of implementation forces, and also accomplishment of implementation affairs, are among the responsibilities of the (second) group (group 2).

The Services will be represented in the shape of the whole body, as to design edifices and physical structures, then structural calculations, designing and implementing special installations in Speciality and subspeciality areas, as well as consultation and provision of medical equipments for all speciality and subspeciality health, treatment and research hubs.



Perfect Hygiene Air-Conditioning Solutions for all Hospital Departments

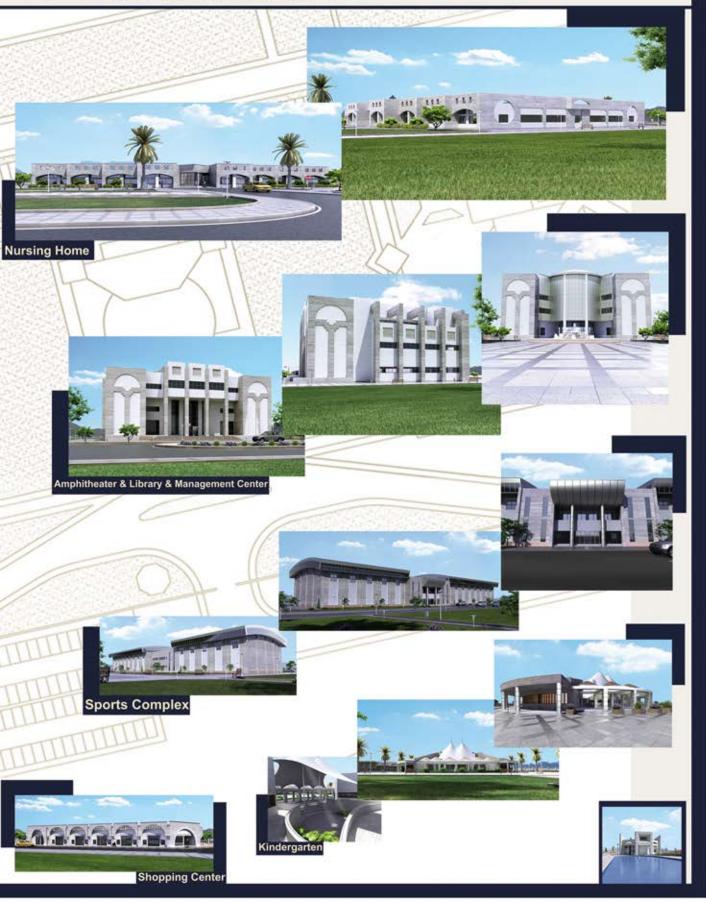
Hospitals, devoid of active and resistant micro-organisms, stand the purpose to which Nabz va Darman Group is continuously aimed at with its domestic and international colleagues, and along which is defined as the hopeful struggle.







Consultant Engineers – Tarh Afarinan Darman Ayandeh (creative planners for future treatment) Member of Nabz va Darman Group of Companies



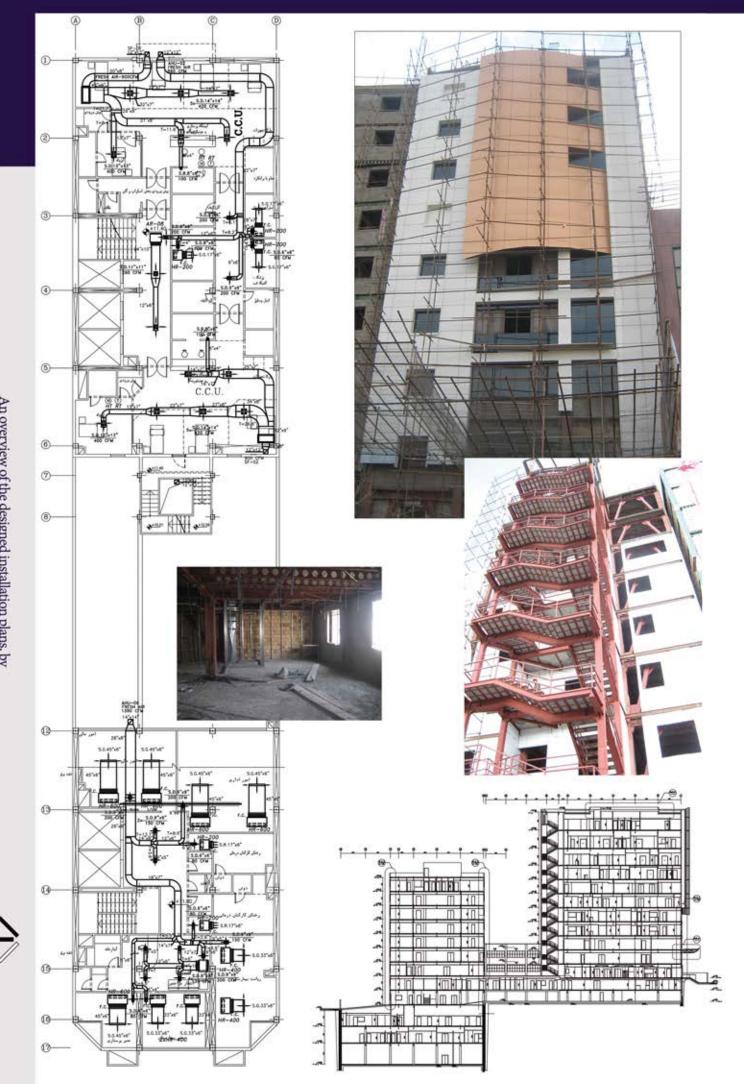






The primary conceptive format of the Comprehensive Cancer Hospital, special diseases and Organ Transplantation by Nabz va Darman Group of Companies







Group 3: Speciality Enhancement or Reconstruction Group; (Standardasation) of the existed inpatient and treatment areas:

The group has been shaped for investigating and representing proper suggestions in order to standardise, reform and enhance capabilities and the existed facilities and finally to increase the interest of the hubs as well as speciality and subspeciality inpatient wards.

The so-called investigations along with the representation of suggestions could therefore be done for all the under-covered sections of your respective organisation, which include all the stages from the provision of resources and areas to the least items, needed respectively.

The presentable services in the group are provided by the skilled experts, each in a separate version in the shape of standard charts, then will be evaluated with respect to the needs, capabilities, procedure and recognition of the existed facilities, necessities and standards, according to the personal and group experiences, as a result of which suggestions to enhance each of the abovementioned subjects or operational units, in a comprehensive form for the whole project or separately done for each unit will be presented in due.

These include the investigation and reformation of the physical resources, representation of the required amendments after designing and reconstructing edifices, revision and changes be done in designing or reforming the installations and investigating the conditions of medical equipments, in particular, those cases related to speciality and subspeciality wards, in order to enhance the extent of services, which would effectively determine the interest of your respective organisation's facilities.

The group provides the methods of investigation within the shape of special suggestion for each and every section, of which all the applicants and beneficiaries are highly informed.

On the whole – investigation of the current condition and representation of suggestions in order to enhance the existed facilities based on the defined standards, would be possible for each of the following section:

- Investigating physical areas to reform and amend them according to the last necessities and requirements in speciality and subspeciality grounds with the observation of standards.
- Investigating the previous installations and representing functional suggestions in order to amend these installations
 as well as up-to-dating them with respect to micro-organisms and epidemic stubs in hospitals.
- Investigation, reformation, coding and representing the complete package of services, protecting, completing and enhancing medical and laboratory equipments in treatment hubs, surgery rooms, ICU(s) and speciality and subspeciality wards.
- Forming the exploitation net from medical and laboratory equipments simultaneously and properly within the shape of proficient medical equipments in a modern treatment hub.

Group 4: Comprehensive Speciality Management Consultation Group

The group represents the required services according to necessities and through complete familiarity with the principles of each unit for speciality and subspeciality areas, while receiving the expectations from the manager of the project, and also presents its viewpoints and suggestions in the shape of a proposed package by observing all the relevant standards and definitions, specified by the manager of the project and other staffs of the treatment hub in order to provide the expectations with a proper end and also to visualise the purposes of the project.

The following responsibilities are among the priorities of the group:

- · To understand and recognise major expectations of the manager.
- · To investigate the requisites and prerequisites.
- To recognise the obstacles of the implementation phase and existed limits and to represent the proper solutions.
- · To investigate the principles and introduce the international and national standards of your respective country.
- To investigate methods of providing human, financial, management, physical, supporting, machineries, medical equipments and administrative requirements resources in treatment hubs and other related sections to speciality and subspeciality areas.
- To compose a comprehensive proposed package for a successive process to be accrued from the beginning to the end within the shape of a complete strategic plan of implementation.



Group 5: Financial and Economic group with a comprehensive attitude towards Therapy Economics.

The group could be regarded as a valuable colleague to your respective company and staffs in financial and economic fields, as it has estimable relationships and experiences in the international domain.

Group 6: Technical and Economic proficiency group of medical equipments

Supporting services proficiency group – medical, health, treatment and reserach equipments and installations;

The group is composed of experienced commercial, service and supporting units for subspeciality areas, whose proficiency could be defined as the ability to provide the required articles and services whether domestically or from abroad. The group has a widespread presence in an active commercial, service, provision and supporting co-operation with a number of outstanding providers of the required articles in a global and regional extent, by having exclusive representatives in the Middle East and CIS Countries. The prior responsibilities of the group could be listed as hereunder:



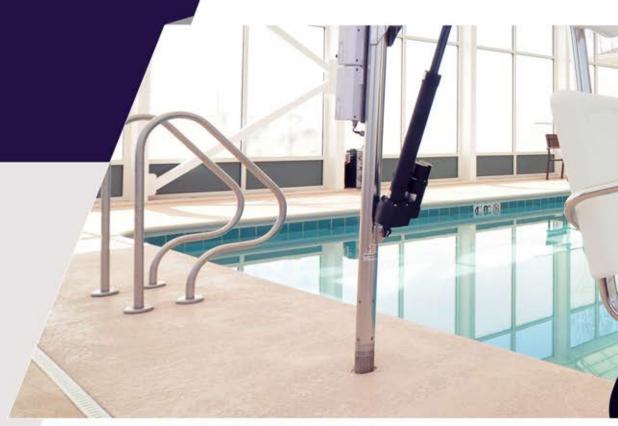
- To represent services for all the related units to the group in general and subspeciality areas for consumed, half-consumed and investing articles.
- To present all consulting services, provide articles and equip health, treatment and research hubs, particularly in the form of Turnkey.
- To represent all international supporting services in order to purchase or import commodities and to present proper services to reduce the final price.
- To present all supporting services to accomplish and complete the projects in
 installations and medical, laboratory and research equipments dimensions,
 supported by regional and international relationships and with regard to the
 sensitivity of the articles in speciality and subspeciality sections.



The aim of Medical Engineering Group in speciality and subspeciality treatment and inpatient hubs is to make use of the capabilities of Medical Engineering unit in the primary design of the hubs and to beneficially organise physical resources.

The main responsibilities of Medical Engineering unit in inpatient hubs could be listed as follows:

- Expert consulting to purchase medical equipments and true determination of the kinds, technical specifications and the number of required systems and equipments as well as system versions.
 - · Management of installing, repairing and protecting cycle.
 - · Education and re-education.
 - · Documentation of medical equipments propriety and information resorting.
 - Economic and financial specification of medical equipments and consultation in concluding agreements of medical equipments purchase.
 - · Providing safety for patients and staffs in relation to the medical equipments function.
 - Technical examination of medical equipments and representing different kinds of decoration in medical equipments on architectural renovation and reconstruction maps.
 - Examination in observing the standards of speciality and subspeciality inpatient areas with respect to medical equipments.
 - · Profiting from medical equipments in the hospital.
 - Representing the programme in order to supervise medicinal storage and medical equipments.



Proficient consultation for Medical Equipment Purchase

- The process of medical equipment purchase from the moment of requirement till the delivery time
 and installation of that machine or articles, is the procedure directly affects the effectiveness, functionality
 and satisfaction branches of the patients after proper implementation of which, suitable grounds for
 representation would be accrued. In relation to the aforesaid, it is necessary to conduct technical investigations
 in order to examine functional points, safety, repairs, consumed equipments and pieces, besides recognising
 all relevant standards.
- On the other side, as purchasing and protecting the so-called products cost high expenses for which a
 considerable amount of treatment budgets would be specified in due, care and curiosity should be considered in
 parameters of purchase and after purchase matters such as installation and use, this will present Medical Engineering
 Unit as the effective member of the committee. So, through the execution of this paragraph, the following aims and
 advantages would be expected:

Aims and Advantages:

- Selecting the most proper system for the speciality and subspeciality treatment hub from among the vast majority
 of the products in different companies, according to the contrastive quality and technical chart along with determination
 of the required priorities in provision and purchase:
- 1 The amount of system functionality 5 Reducing the worries of seller's behavioural results during after-services operations
- 2 Proper quality of the system
- 6 Reducing the worries of system functionality during the passage of time

- 3 Suitable price
- 7 Proper enhancing in the capability of the treatment hub for representing suitable services
- 4 Having the required parameters defined by the hub



Detailed responsibilities pertaining to proficient consultation for Medical Equipment Purchase:

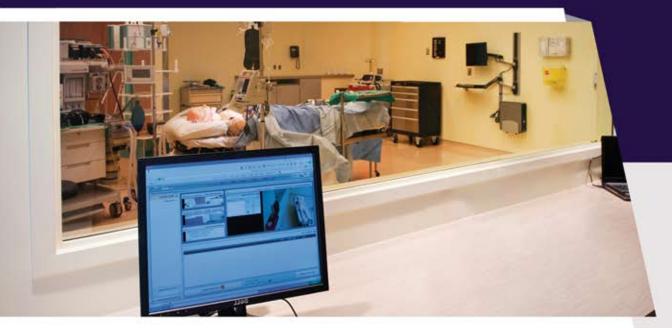
- To recognise the required parameters and technical functions of a treatment hub based on the
 amount and kinds of applicants, expectations of medical and treatment cadres, capabilities of a treatment
 hub to provide technical facilities from installations and physical viewpoints to install and activate the
 system and according to the recognition of the systems having the so-called parameters and functions.
- · To recognise the necessary items for service, protection and the required educations.
- To estimate the expected financial capability in order to profit from the system during the time.
- To analyse the correctness of the presented claims by sellers of them and specify real capabilities of the system.
- To attain any required technical information with respect to the function of the system in the other domestic and foreign treatment hubs.
- To determine the necessary information and technical liabilities for the condition of services in the Middle East and
 CIS Countries, as well as on-time provision of spare parts and consumed equipments which should be provided by the
 seller according to technical specifications of the system.
 - To control the delivery of purchased systems based on the related proforma and to make sure of the received confirmations accrued by the Acceptance Tests.

Group 7: The Supreme Holding Group

The group is already active in regional, national, research and functional projects, whose responsibilities could be listed as follows:

- Designer executor and transferor of technical knowledge and advanced standard models of research, health, and global treatment centres to the countries.
- Be active in research and functional areas in the Middle East and CIS Countries for regional and national purposes and with regard to the following points:
- 1-2: Under-structures (Infra Structures).
- 2-2: Necessities (Exigencie).
- 2-3: Innovations.
- 2-4: Advanced Technology Transfer.
- Be active as a proficient scientific, technical and implementation consultant in subspeciality projects in lieu of attaining the required information from global subspecilaity centres (Consultation in scientific patent information).
- Be an inventor as well as the forerunner of co-operating with implementation and research projects till the final goal
 would be visualised according to the legalized international standards and regularities.
- Be a proficient technical and implementation consultant or a co-operating side in editing and implementing comprehensive projects in the Middle East and CIS Countries or on national basis (Comprehensive extensive project national basis).
- Be an experienced potentiality and a deep long-term relation as a widespread international force to university, research
 and inpatient centres whether regional or global.





Group 8: Medical Information Technology Group (Medical IT)

First and foremost, the group is up-to-dated. Well-known of information technology whether scientifically or practically, is already liable to the exchange of knowledge along with profiting from on-going processes and products in their standard version, and in a word, regarded as a pioneer in this respect. Major responsibilities and transactions of this group could be considered as follows:

- Consultation, design and implementation of archive systems, information processing and knowledge
 transfer, also medical digital photos (PACS), associated with global standards of DICOM in all working
 groups of the world committee, within the shape of guiding programmes, including evaluation, up-to-dating
 and conforming medical hardware, software and depicting equipments, all affiliated to the global standards.
- To represent comprehensive inpatient, laboratory and research centres management, information systems
 and their subdivisions, entailing the necessities of information security management systems and ISO, and
 definitely conformed to the global standards.
- · Designing and implementing electronics safety systems and electronic health resources of medical information (EHR).
- Comprehensive processing and standard transfer of data.
- Telemedicine.
- To represent advanced medical soft wares whether as an aid or subspeciality designed.
- To introduce and represent medical equipments, advanced inpatient, laboratory and research hard wares, as well
 as ICU(s) and digital surgery rooms, communicational and controlling systems of invitation for physicians and nurses,
 management and finally patients control.
- To edit all required necessities of IT and represent economic suggestions for each and every hub including (network, hardware and software) such as:

Necessities of network system, necessities of different wards in relation to HIS (Healthcare Infection Society), necessities of Wireless system, selection of MIS (Management Information System) soft wares, conform to that hub in the form of administrative, financial and storage automation.

Medical Information Technology Group (Medical IT) is ready to represent consultation, design and implementation of guiding PACS programmes and provide the necessary equipments for archive, processing and photograph transfer and medical information in burn centres and transfer their standards to other treatment hubs by the help of Medical Sciences, engineering & informatics Experts and implementation management.



Pardazesh va darman irasa

Member of Nabz va Darman Group of Companies

The following websites are covered by Nabz va Darman Group of Companies in relation to inpatient affairs:

1. www.burn-center.net	27. www.surgicalequipment.co
2. www.burnicu.com	28. www.surgicalinstrument.co
3. www.wwicu.com	29. www.disastermedicinesupply.com
4. www.icudesigning.com	30. www.medicaltelecommunication.com
5. www.icuproducts.com	31. www.healthinfrastructures.com
6. www.icuproduct.com	32. www.tarahiran.net
7. www.icumanagement.org	33. www.csrdesign.org
8. www.icumanagement.net	34. www.operatingtheaterdesign.com
9. www.icudesign.info	35. www.hospitaldesign.co
10. www.labratorydesign.co	36. www.medicalit.org
11. www.otdesign.org	37. www.turnkey-project.net
12. www.bimarestan.com	38. www.complexemergency.net
13. www.physiotherapyturnkey.com	39. www.hospitalbuildingtechnology.com
14. www.clinicturnkey.com	40. www.mobilehospital.info
15. www.turnkeysolutionhospital.com	41. www.medicalfurnitures.com
16. www.turnkeysolution.org	42. www.healthcarefacility.info
17. www.turkeyhospital-projects.com	43. www.masscasualty.net
18. www.turnkeyprojectshospital.com	44. www.pacsiran.com
19. www.turnkeyhospitalprojects.com	45. www.life-world-innovation.com
20. www.turnkeyhospitalproject.com	46. www.world-life-innovation.com
21. www.hospitalturnkeyproject.com	47. www.total-solution.net
22. www.bimarestan.net	48. www.globalhealthservice.net
23. www.hospitalbuildingdesign.com	49. www.global-health-service.org
24. www.newfinding.net	50. www.global-health-services.org
25. www.rescuemanagement.com	51. www.bedsore.info
26. www.sepsismarker.com	52. www.buildingtechnology.info

Group 9: Standard Identification to designs, calculations and performances group as well as establishing consultation of quality management and education systems for speciality, and subspeciality areas.

The group is responsible for investigation, agreement, edition and supervision of profiting from the relevant standards in each holding group.









Scientific and Research Unit of Nabz va Darman Group of Companies:

Scientific and Research Unit of Nabz va Darman Group of Companies is a collection faces and attains information from the last scientific and infrastructural achievements in health domains for researchers, scholars, learners and those interested in durable permanent research projects.

- As a designer and executor of health and treatment models, conformed to the needs, developments and different processes for speciality and subspeciality groups within the shape of research, education and implementation projects.
- · As a holder of required resources to support all the activities defined for a scientific and research unit.
- As a liability to a deep experience and wide international and state long-term relations with university, and mother research centres in the Middle East and CIS Countries.
- As an owner of exclusive knowledge-based relationships with research, producing, commercial and service complexes.
- As an inventor and a pioneer in co-operating with research and implementation projects till the final goal will be
 attained according to global standards including (design, supervision, implementation, documentation, confirmation,
 introduction and representation) with all regional and international applicants.

Disregarding the extent and kinds of specified projects, the Scientific, Research - Functional unit would be continuously defined as the seven following aims:

- · Infrastructures.
- · Necessities (Exigencies).
- · Innovations.
- · Advanced Technology Transfer.
- · Protection and exploitation from material as well as spiritual rights of the activities.
- Representation of different consultations to speciality and subspeciality projects as a
 proficient consultant (Consultation in scientific patent information).
- Conduction of Comprehensive extensive projects with a National basis (Comprehensive extensive project (National basis)??).

Visualisation of your valuable conceptions and experiences within the shape of implemented processes and products and their donation to human beings in due, is the one and only mission in our beliefs, thereupon, we warmly welcome your kind hands and your respective colleagues to co-operate in effective permanent implementation and research projects for national speciality and subspeciality purposes in that honourable centre.



D	Dear Colleauge:
a	We undertake all responsibilities to design, construct and equip your speciality and subspeciality treatment centres, according to international standards, in all ections, from the moment of beginning to the end.

Central Office: 1st. Apartment, No. 19, the Ninth St., Hassan Seif Avenue, 3rd. Phase, Shahrak e Gharb, Tehran;
Postcode: 1466863986; Tel.: 0098-21-88371001-4, 0098-21-88371881-4; Fax: 0098-21-88371005.

Email: info@nabzvadarman.com Website: www.nabzvadarman.com