In the name of GOD

Compiling, Planning & execution: Dr. Borzoo Salek Burn researcher







Preface

The following article is the consequence of more that one decade of encountering with a phenomenon called burning.

Burning is not limited to a specific age or sex. It burns and leaves ashes.

We are really eager to act in the presented article, after receiving the answers concerning our questions or any comments from your side in particular, although we always believe that we have not neglected of this field so far.

Your comments concerning the above issue can be a big step toward studying the entire aspects of the said topic, which undoubtedly can be a bright path for the posterity.

Therefore, hereby you are gently requested to provide us with your resources from knowledge, experiences, writings, lectures, pictures, etc points of view so that enable us to possess more chances in helping or facing with a pained wounded person, which is suffering from burning.

In this connection, you are kindly requested to let us know your feedback, opinions, and viewpoints after reading the chapters as well as related contents of the following article. It is natural that receiving your comments in any form, tone, volume, or any other aspects would encourage us to achieve our predicted goals accordingly and your are kindly requested not to hesitate to contact us in any time and any form you prefer.

Please drop us your comments, after reading the following article, to the following address:

Best regards.
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Dear Colleague, Professor, Researcher, and Expert:

Burning can be categorized among one of the most common accidents in our country. Comprehensive studies have shown that burning can be considered as the number-one accident among other accidents. It is natural that all curative-related personnel as well as the pertinent groups, due to their professional duties, should do their utmost to find related practical approaches through observing the principles as well as standards in this connection.

Scope of such an activity begins from preventive measures prior to occurrence of an accident up to the occurrence of an accident and the manner of facing with the said accident as well as wounded person and even after complete recovery of wounded one, and if necessary, continuous rehabilitation as well as other relief measures. This phenomenon is an advanced objective that would be shouldered by the respectable medical society as well as other hectic groups such as engineering as well as technical support teams.

Undoubtedly, without any prejudice and just as an opinion, it should be accepted that receiving suitable services in this connection require a fullscale participation of the responsible organizations, possessing relevant required theoretical, practical knowledge, preparation of proper places, acquaintance with as well as observing the whole standard principles, planning, follow-up and supervision the perfect execution of the mentioned programs, resolving the shortcomings, ensuring

the round-the-clock presence of expertise as well as professional manpower required for clinical, technical, and coordination affairs along with supplying the necessary equipment for transferring the wounded person together with pertinent services, follow-up the curative results, increasing and assessment of the working efficiency, and amendment as well as permanent upgrading of plans making use of the presentday technology.

Therefore, it would be our honor to receive your valuable information, approaches or any data concerning the entire content of the following article or any part of that, which can help us to push ahead such drift, after reading the following article. It would be highly appreciated, too, if you send your comments to the above-mentioned address.



Table of Contents

- 1. History of burning, date of burning, and related statistics
- Scientific facts concerning the burning, working groups that are related to burning
- 3. Clinical and curative issues connecting with burning
- Technical issues regarding burning and controlling of that
- Cultural, social, economic, and environmental issues related to burning
- Protocols, follow-up approaches, related groups, and scientific data pertinent to burning

- Burning centers and personnel issues
- Major as well as key issues that should be considered regarding burning
- Different side-effects of burning
- 10. General issues related to burning
- Related organs, engaged officials, and not-curative affiliated groups
- 12. Basic questions
- 13. Burning's treatment economy
- 14. Conclusion & Consequence



History of Burning, Date of Burning, and Related Statistics

- Renowned people active in burning field in Iran and round the globe from the past up to the present time
- Current masters of burning
- Effective and noble persons in field of burning in different groups inside Iran – forerunners of the burning field
- History of the burning in Iran
- History of the burning in the world
- Distribution as well as dissipation of burning in Iran (according to provinces as well as towns)
- Study of age, sex level along with social group of the wounded persons suffering from burning
- Statistics concerning the remaining side-effects of the burning based on the burning type, depth, and its severity

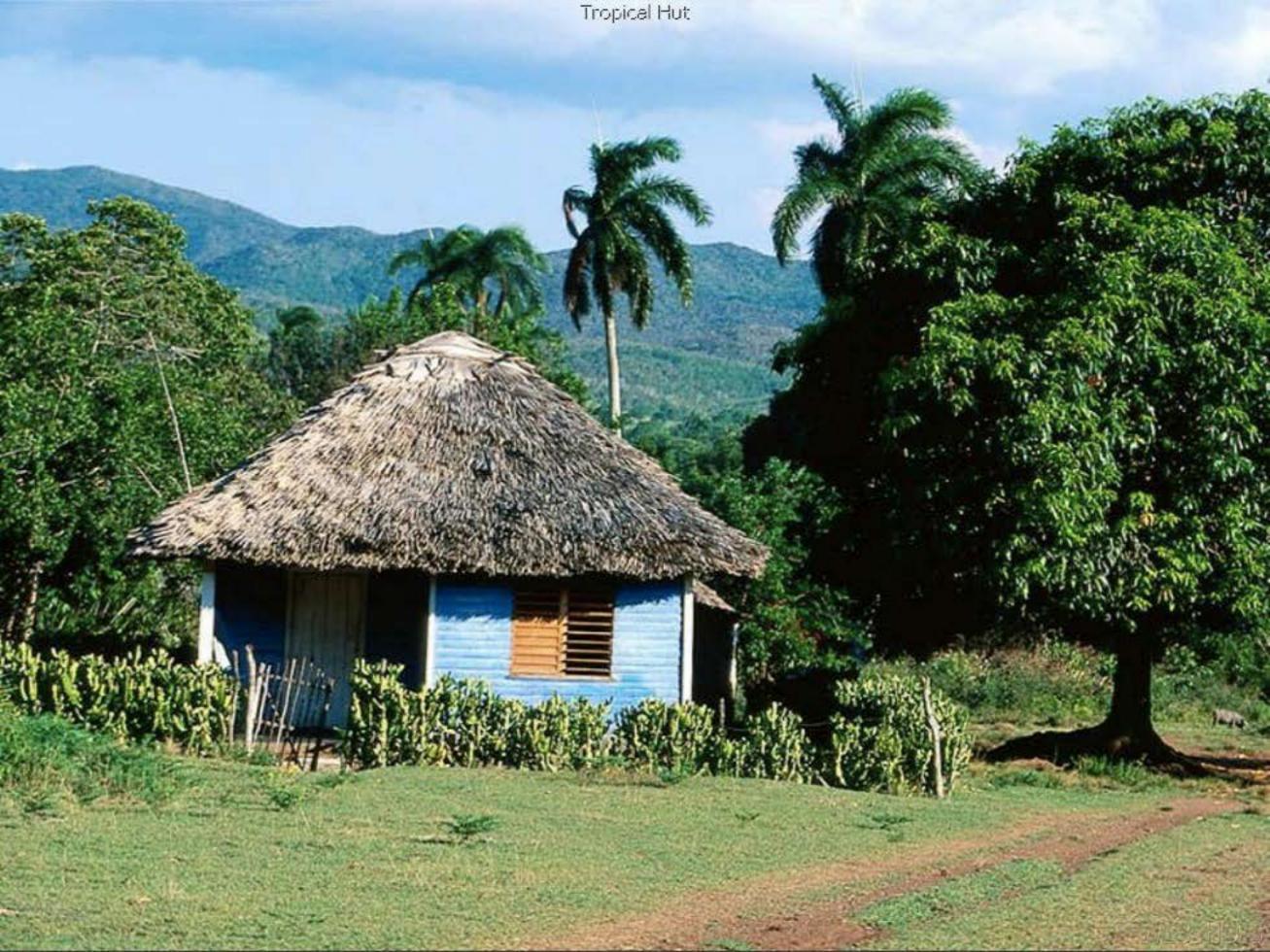


Scientific Facts Concerning the Burning, and Working Groups That Are Related to Burning

- Sources as well as texts related to burning in different groups
- Burning databank
- Current protocols in Iran related to the burning

Fields related with burning:

- Surgery
- Remedial surgery
- Anesthesia
- Nursing
- Physiotherapy
- 6. Septic
- Internal medicine (lung, etc)
- 8. Nutrition
- Social service
- 10. Paramedical as well as laboratory groups



Clinical and Curative Issues Connecting With Burning

- Different types of burning
- 2. By liquids
- By chemicals
- By steams and inhalant materials
- By electricity
- 6. By heat

- Burning classes and their level (divisional)
- Burning in patients with imperative illness background
- Burning together with different organs' deficiency
- Burning in women
- Burning in children
- Burning and infection
- Burning and remedy
- Burning's algorithm as well as approach according to its type and severity
- Evaluation, criterion, and curative standards
- Supervision and monitoring over treatment the burning
- Burning and antibiotics (specially stilocok and psodomonas)
- Burning and serums

- Burning and antiseptic liquids
- Analgesics (pain relievers) and narcotics devices for keeping respiratory system open – dialyze equipment
- Analyzing the health-care fees according to the burning type and its severity
- Ways of preventing disabilities
- Burning and hydrotherapy
- Methods for reducing the burning's side effects (current methods – revision)
- Dressings for burning as well as synthetic and biologic covers
- New methods in relieving the pain and burning treatment
- Critical care medicine expert
- Recovery of the burned persons as the backup for the curative measures



Technical Issues Regarding Burning and Controlling of That

- Burning team should be consisting of how many persons?
- Burning and quarantine
- ICU quarantine
- Required equipment as well as instruments for burning
- Related substances used in connection with burning
- Standard burning center (description, specifications, examples)
- Construction and architecture of burning centers
- Real need for burning beds (burning beds and ICU)
- Fresh air as well as clean room for burning
- Intensive care units, remedial and plastic sections, infectious segments in burning centers
- Burning and physiotherapy



Cultural, Social, Economic, and Environmental Issues Related to Burning

- Self-burnings
 - Mental factors
 - Cultural (social) factors
 - Economical factors

- Self-burning among young girls
- Number of deaths due to self-burning (based on sex and age)
- Distribution of self-burning among young Iranian girls
 - Lorestan
 - Ilam
 - Khoozestan
 - Kermanshah
 - Hamedan



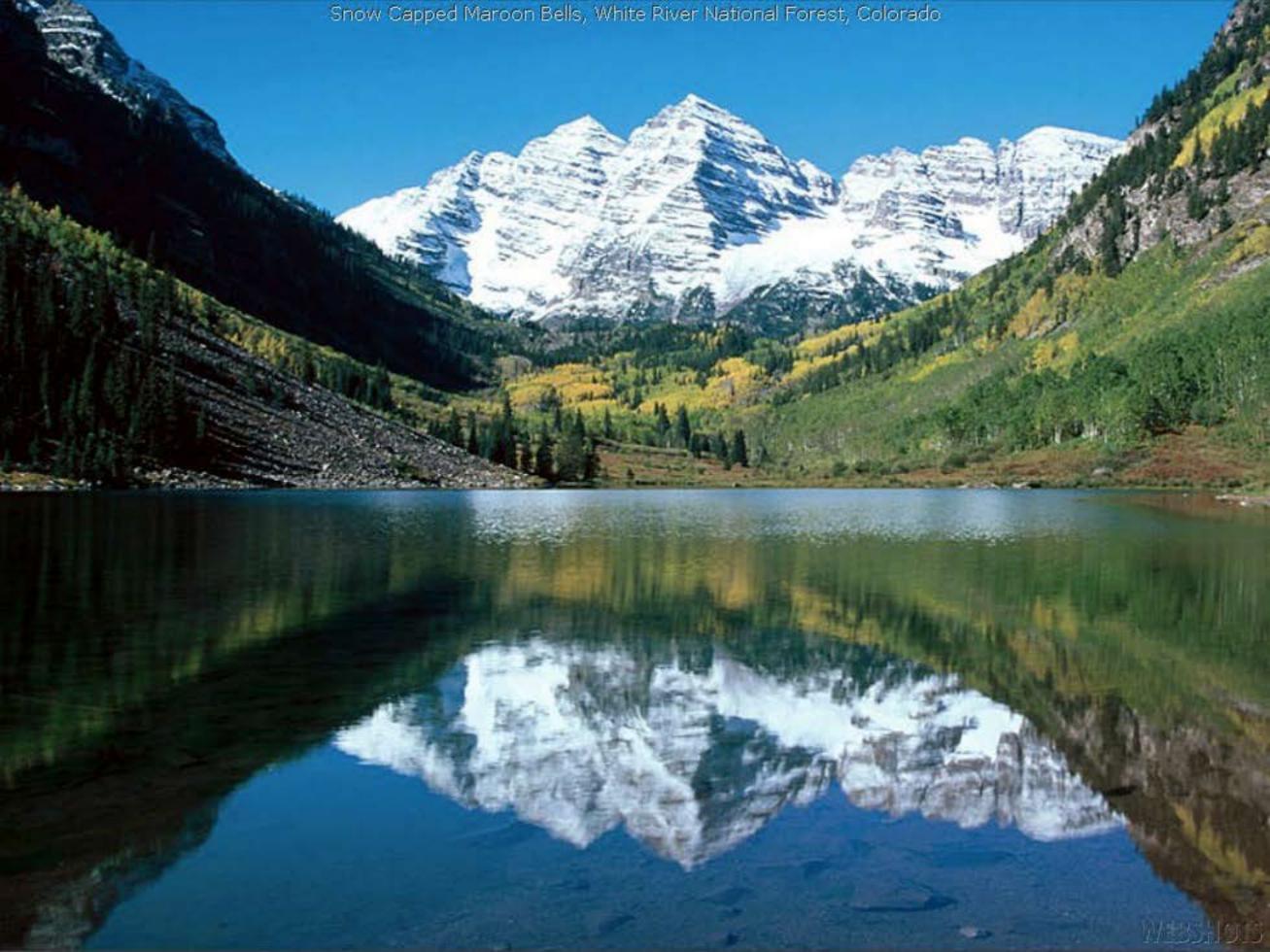
- Manner of returning the heavily-burned people to the life cycle through methods such as:
 - Occupational therapy
 - Group therapy
 -

- Burning-related societies (domestic and international)
- Association for supporting burned patients
- Burning and charity centers
- Burning and security of houses
- Burning and road accidents
- Burning and earthquakes or flood



Protocols, Follow-Up Approaches, Related Groups, and Scientific Data Pertinent to Burning

- Burning comprehensive protocol
- Identification of different curative styles for burning
- Conducted researches inside Iran in connection with burning
- Conducted researches outside Iran in connection with burning
- Burning and nursing
- Related domestic articles in connection with burning
- Related foreign articles in connection with burning
- Comprehensive book of burning
- Archive of published books in connection with burning
- Burning-related lectures in seminars, symposiums, and associations



Burning Centers and Personnel Issues

- Condition of burning centers inside the country
- Condition of burning centers outside the country
- 10 top-burning centers in the world
- 3 top-burning centers in the Iran and categorizing the active centers
- Active, authorized international universities in connection with burning
- Burning-related personnel's working condition (at present)

- Burning-related personnel's working condition (in ideal condition)
- Identification of weak and forte points of the current burning centers inside the country
- Required number of burning centers inside the country
- Welfare condition of medical personnel and prevention of side effects of them, protection of them, job-protection of personnel during treatment (protection of job-related harms)

 Way of activating as well as creating motivation in burning units for offering valuable activities that require spending of a considerable time such as hydrotherapy and physiotherapy in burning



Major as Well as Key Issues That Should Be Considered Regarding Burning

- Institutionalizing, creating institutions, and providing the ground for the entire measures
- Study of technical justifications of different projects from health and curative points of view
- Study of financial justifications of different projects (expenses)
- Study of economic justifications of different projects (economic variables)
- Study of social justifications
- Study of political justifications

- Preparation of a comprehensive protocol
 - Curative
 - -Technical
 - Financial
 - Research and development (R&D)

- An extensive databank
- Creation of accelerator cores in developing entire burning-related fields
- Realistic detection of shortages
- Creation of a comment-collecting system as well as studying, collecting and working on the received comments
- Attraction of public participation which any person, institute, organization, society, etc can have in any form such as:
 - Informative
 - Financial
 - Supportive
 - Executive

- Creation of motive systems in the effective groups
- Respecting the work as well as activities of sympathetic personnel of burning centers
- Detection of ideas, correct measures as well as methods that have been used so far in connection with burning:
 - Prevention
 - -Treatment
 - Control
 - -Support

- Detection of acts, ideas as well as wrong methods that have been used so far in connection with burning:
 - Prevention
 - -Treatment
 - -Control
 - Support
- Study of wrong methods in facing with burning
 - Curative (clinical)
 - Technical
 - Mental
- Preventing the burning



Different Side-Effects of Burning, Ways of Reducing the Burning Level

- Burning's physical outcomes
- Burning's mental outcomes
- Burning's social outcomes
- Study of long period necessary for treatment of burning
- Long-time treatment of burning and its economical consequences in the family (family economy)
- Burning and breadwinner person of the family (consequences)
- Burning and unemployment during treatment
- Burning and unemployment after treatment
- Burning and disability

- Methods for decreasing the burning side-effects
 - Examination time
 - Way of approach
 - Related equipment and area
- Detection of effective factors in burning and fire (elimination or reducing their effects)
- Public training



General Issues Related to Burning

- New methods in facing with burning from different aspects
- Total required budget for burning inside the country during a one-year plan (ideal)
- Total required budget for burning inside the country during a five-year plan (ideal)
- Total required budget for burning inside the country to achieve international standards
- Solutions in different related groups (medical, technical, financial, etc)

- Study of consumed budget versus allocated budget for burning concerning the special defined items in connection with burning annually
- Particular levels of burning
- Public awareness in connection with burning
- Photos of patients suffering from burning

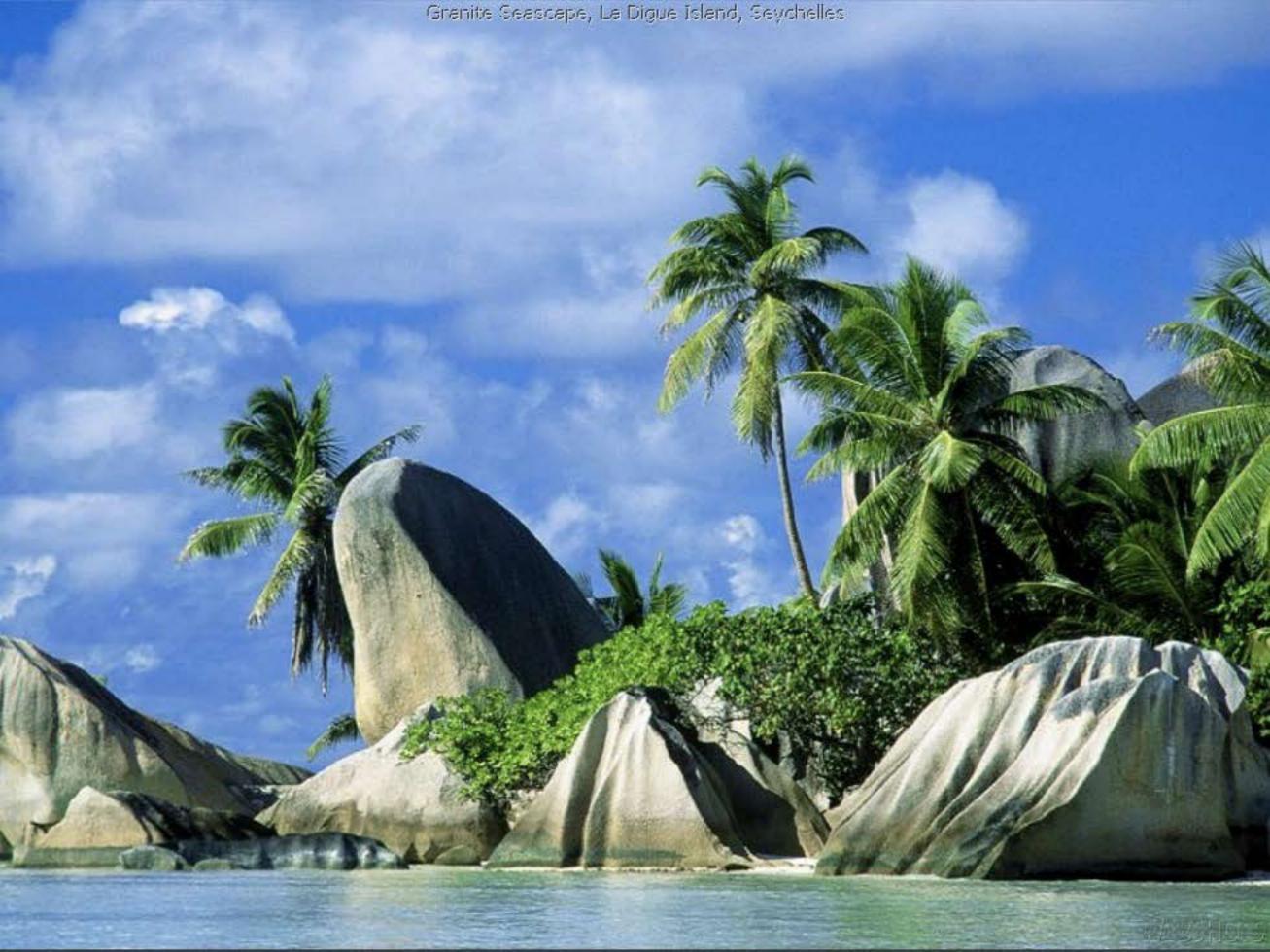


Related Organs, Engaged Officials, and Not-Curative Affiliated Groups

Burning and WHO
Burning and CDC
Burning and President's responsibilities
Burning and Cabinet
Burning and Health Ministry
Burning and Ministry of Commerce
Burning and Majlis Commission for Health and Medical Treatment
Burning and responsibilities of Plan and Budget Organization (Health and Medical Treatment Organization, Management and Planning Organization of Iran)

Burning and universities' deans
Burning and social security
Burning and private sector (expectations and capabilities)
Burning and emergency
Burning pioneers in the world in different groups
Burning and firefighting
Burning and TV
Burning and dailies, newspapers, and periodicals
Burning and oil, gas industry
Burning and insurance

- Burning and self-burning
 Neighboring countries and manner of their encounter with burning
- Burning and customs administration
- Burning and banks
- Burning and international institutions



Basic Questions

- To what extent the burning should be served?
- In standard position, what is the responsibility of each group relevant to burning?
- What have we done so far in connection with burning?
- What can we do for burning?
- What are the best conditions in facing with burning from prevention, treatment, technical, and support viewpoints?
- Can we act so that this section converts into an independent and profit-making sector day-to-day? Basically, whether such an expectation is feasible or not?

- How the five continents of the world as well as developed countries face with burning? (Mechanisms as well as responsible systems)
- Do you have a proposal to make the burning sector independent and profit-maker? How? When? By which budget? To what extent?
- What is the most suitable method for a medical treatment center to earn its expenses?
- In case you have visited burning centers, it would be our pleasure to receive your experiences in this connection



Burning's Treatment Economy

Study of patients' day as well as bed
Analyzing the necessary beds for patients
Evaluation of expenses for dispatching
patients abroad and its consequences
Burning's treatment economy according to its
type, depth, and severity
Antibiotics-related costs
Serums-related costs
Disinfectants-related costs
Drugs and pain relievers-related costs

- □ Personnel-related costs
- Disability-related costs
- Average curative costs of patients
- Studying the ways and methods to reduce side-effects, better recovery as well as reducing the recovery time, patient's bed
- Review of costs and its consequences







