

Treatment Options of Maxillofacial Fractures in Iran: A Comprehensive Systematic Review

Faeze Sharifi ¹, Sahand Samieirad ^{1 *}, Ricardo Grillo ^{2,3}, Maria Da Graça Nacério-Homem ², Erfan Bardideh ⁴, Ali Manafi ⁵, Majid Eshghpour ¹, Touraj Vaezi ¹, Reza Shakiba ¹

1. Department of Oral & Maxillofacial Surgery, Mashhad dental school, Mashhad University of Medical Sciences, Mashhad, Iran.
2. Department of Oral & Maxillofacial Surgery, Traumatology and Prosthesis – Faculty of Dentistry of the University of São Paulo, Brazil.
3. Department of Oral & Maxillofacial Surgery, Faculdade Patos de Minas, Brasília, Brazil.
4. Dental Research Center, Mashhad dental school, Mashhad University of Medical Sciences, Mashhad, Iran.
5. Department of Plastic Surgery, Iran University of Medical Sciences, Tehran.

*Corresponding Author:

Sahand Samieirad

Mashhad University of Medical Sciences, Mashhad, Iran. Department of Oral & Maxillofacial Surgery, Mashhad dental school, Mashhad, 91778-99191, Razavi Khorasan Province, Iran

Tel.: +98 5138049

Email: samieirads@mums.ac.ir

Received: 2023/06/10

Accepted: 2023/08/30

ABSTRACT

Background: The aim of this study was to systematically review the literature on the treatment options of maxillofacial fractures in Iran, complementing a previous article regarding causes and the overall prevalence.

Methods: A systematic search of PubMed, Cochrane Library, Web of Science (WS) and Google Scholar (GS) electronic databases was conducted to identify the relevant articles published up to January 2023. Studies reporting the treatment option of maxillofacial fractures in Iran were included in the analysis. MOOSE guidelines were adopted for the current systematic review. No data or language restriction were applied. Risk of bias across the articles was assessed.

Results: This systematic review included 13 articles with a total of 19,147 treated patients for maxillofacial fractures. ORIF was the most common type of treatment, but complications occurred in approximately 5% of cases. Mandible fractures were not statistically more treated by ORIF than closed reduction or conservative treatment, and no type of treatment was considered statistically preferable depending on the anatomical region affected by Iranian maxillofacial surgeons. The included studies were considered to have a low risk of bias, but many were not clear in reporting cross-referenced data regarding the type of treatment, which could be considered a major flaw.

Conclusion: Overall, this study provides valuable insights into the types of treatment used for maxillofacial fractures by Iranian surgeons and highlights the importance of clear reporting of data in research articles.

KEYWORDS

Iran; Middle East; Maxillofacial Fractures; Prevalence; Systematic Review

Please cite this paper as:

Sharifi S, Samieirad S, Grillo R, Da Graça Nacério-Homem M, Bardideh E, Manafi A, Eshghpour M, Vaezi T, Shakiba R. Treatment Options of Maxillofacial Fractures in Iran: A Comprehensive Systematic Review. *World J Plast Surg.* 2023;12(2):20-28.
doi: 10.32547/wjps.12.2.20

INTRODUCTION

Maxillofacial fractures are a common type of injury that is frequently encountered in the emergency department. These fractures most commonly result from falls, road traffic accidents, assaults, and sporting injuries ¹⁻³. The mandibular bone is the most frequently fractured facial bone, followed by the zygoma and maxilla ⁴. The majority of mandibular fractures occur in young males aged 16-30 years ^{5,6}.

The diagnosis of maxillofacial fractures is usually made based on

The Comprehensive Classification Of Fractures

Robert R. Redfield



The Comprehensive Classification Of Fractures:

Thank you enormously much for downloading **The Comprehensive Clabification Of Fractures**. Maybe you have knowledge that, people have seen numerous times for their favorite books next to this The Comprehensive Clabification Of Fractures, but end taking place in harmful downloads.

Rather than enjoying a fine book subsequent to a mug of coffee in the afternoon, then again they juggled when some harmful virus inside their computer. **The Comprehensive Clabification Of Fractures** is within reach in our digital library with an online permission to it is set as public thus you can download it instantly. Our digital library saves in combined countries, allowing you to acquire the most less latency period to download any of our books in the same way as this one. Merely said, the The Comprehensive Clabification Of Fractures is universally compatible next to any devices to read.

https://archive.kdd.org/About/detail/Documents/Sociology_Of_North_American_Sport_Third_Edition.pdf

Table of Contents The Comprehensive Clabification Of Fractures

1. Understanding the eBook The Comprehensive Clabification Of Fractures
 - The Rise of Digital Reading The Comprehensive Clabification Of Fractures
 - Advantages of eBooks Over Traditional Books
2. Identifying The Comprehensive Clabification Of Fractures
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an The Comprehensive Clabification Of Fractures
 - User-Friendly Interface
4. Exploring eBook Recommendations from The Comprehensive Clabification Of Fractures
 - Personalized Recommendations
 - The Comprehensive Clabification Of Fractures User Reviews and Ratings

- The Comprehensive Clabification Of Fractures and Bestseller Lists
- 5. Accessing The Comprehensive Clabification Of Fractures Free and Paid eBooks
 - The Comprehensive Clabification Of Fractures Public Domain eBooks
 - The Comprehensive Clabification Of Fractures eBook Subscription Services
 - The Comprehensive Clabification Of Fractures Budget-Friendly Options
- 6. Navigating The Comprehensive Clabification Of Fractures eBook Formats
 - ePub, PDF, MOBI, and More
 - The Comprehensive Clabification Of Fractures Compatibility with Devices
 - The Comprehensive Clabification Of Fractures Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of The Comprehensive Clabification Of Fractures
 - Highlighting and Note-Taking The Comprehensive Clabification Of Fractures
 - Interactive Elements The Comprehensive Clabification Of Fractures
- 8. Staying Engaged with The Comprehensive Clabification Of Fractures
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers The Comprehensive Clabification Of Fractures
- 9. Balancing eBooks and Physical Books The Comprehensive Clabification Of Fractures
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection The Comprehensive Clabification Of Fractures
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine The Comprehensive Clabification Of Fractures
 - Setting Reading Goals The Comprehensive Clabification Of Fractures
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of The Comprehensive Clabification Of Fractures
 - Fact-Checking eBook Content of The Comprehensive Clabification Of Fractures
 - Distinguishing Credible Sources

13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

The Comprehensive Clabification Of Fractures Introduction

In today's digital age, the availability of The Comprehensive Clabification Of Fractures books and manuals for download has revolutionized the way we access information. Gone are the days of physically flipping through pages and carrying heavy textbooks or manuals. With just a few clicks, we can now access a wealth of knowledge from the comfort of our own homes or on the go. This article will explore the advantages of The Comprehensive Clabification Of Fractures books and manuals for download, along with some popular platforms that offer these resources. One of the significant advantages of The Comprehensive Clabification Of Fractures books and manuals for download is the cost-saving aspect. Traditional books and manuals can be costly, especially if you need to purchase several of them for educational or professional purposes. By accessing The Comprehensive Clabification Of Fractures versions, you eliminate the need to spend money on physical copies. This not only saves you money but also reduces the environmental impact associated with book production and transportation. Furthermore, The Comprehensive Clabification Of Fractures books and manuals for download are incredibly convenient. With just a computer or smartphone and an internet connection, you can access a vast library of resources on any subject imaginable. Whether you're a student looking for textbooks, a professional seeking industry-specific manuals, or someone interested in self-improvement, these digital resources provide an efficient and accessible means of acquiring knowledge. Moreover, PDF books and manuals offer a range of benefits compared to other digital formats. PDF files are designed to retain their formatting regardless of the device used to open them. This ensures that the content appears exactly as intended by the author, with no loss of formatting or missing graphics. Additionally, PDF files can be easily annotated, bookmarked, and searched for specific terms, making them highly practical for studying or referencing. When it comes to accessing The Comprehensive Clabification Of Fractures books and manuals, several platforms offer an extensive collection of resources. One such platform is Project Gutenberg, a nonprofit organization that provides over 60,000 free eBooks. These books are primarily in the public domain, meaning they can be freely distributed and downloaded. Project Gutenberg offers a wide range of classic literature, making it an excellent resource for literature enthusiasts. Another popular platform for The Comprehensive Clabification Of Fractures books and manuals is Open Library. Open Library is an initiative of the Internet

Archive, a non-profit organization dedicated to digitizing cultural artifacts and making them accessible to the public. Open Library hosts millions of books, including both public domain works and contemporary titles. It also allows users to borrow digital copies of certain books for a limited period, similar to a library lending system. Additionally, many universities and educational institutions have their own digital libraries that provide free access to PDF books and manuals. These libraries often offer academic texts, research papers, and technical manuals, making them invaluable resources for students and researchers. Some notable examples include MIT OpenCourseWare, which offers free access to course materials from the Massachusetts Institute of Technology, and the Digital Public Library of America, which provides a vast collection of digitized books and historical documents. In conclusion, The Comprehensive Clabification Of Fractures books and manuals for download have transformed the way we access information. They provide a cost-effective and convenient means of acquiring knowledge, offering the ability to access a vast library of resources at our fingertips. With platforms like Project Gutenberg, Open Library, and various digital libraries offered by educational institutions, we have access to an ever-expanding collection of books and manuals. Whether for educational, professional, or personal purposes, these digital resources serve as valuable tools for continuous learning and self-improvement. So why not take advantage of the vast world of The Comprehensive Clabification Of Fractures books and manuals for download and embark on your journey of knowledge?

FAQs About The Comprehensive Clabification Of Fractures Books

How do I know which eBook platform is the best for me? Finding the best eBook platform depends on your reading preferences and device compatibility. Research different platforms, read user reviews, and explore their features before making a choice. Are free eBooks of good quality? Yes, many reputable platforms offer high-quality free eBooks, including classics and public domain works. However, make sure to verify the source to ensure the eBook credibility. Can I read eBooks without an eReader? Absolutely! Most eBook platforms offer web-based readers or mobile apps that allow you to read eBooks on your computer, tablet, or smartphone. How do I avoid digital eye strain while reading eBooks? To prevent digital eye strain, take regular breaks, adjust the font size and background color, and ensure proper lighting while reading eBooks. What the advantage of interactive eBooks? Interactive eBooks incorporate multimedia elements, quizzes, and activities, enhancing the reader engagement and providing a more immersive learning experience. The Comprehensive Clabification Of Fractures is one of the best book in our library for free trial. We provide copy of The Comprehensive Clabification Of Fractures in digital format, so the resources that you find are reliable. There are also many Ebooks of related with The Comprehensive Clabification Of Fractures. Where to download The Comprehensive Clabification Of Fractures online for free? Are you looking for The Comprehensive Clabification Of Fractures PDF? This is definitely going to save you time and cash in

something you should think about.

Find The Comprehensive Clabification Of Fractures :

~~sociology of north american sport third edition~~

soilwater and nitrogen in mediterranean type environments

~~sold out tutto vendutto~~

~~solos for the bassoon player with piano accompaniment~~

~~solos for the oboe player oboe piano~~

solly says collected comments of solomon hoot

solid state power circuits designer handbook

~~solange ich denken kann roman e jugend literatur heute~~

solar invasion frazetta cover

software inspection process

~~software engineering for small computers~~

~~solo prenda una vela~~

~~solitons and condensed matter physics~~

~~solution selling creating buyers in difficult selling markets~~

~~soe in france~~

The Comprehensive Clabification Of Fractures :

Mazda 3 (2003-2008) , 5 (2005-2008) Head Unit pinout Jan 27, 2022 — Right Rear Speaker Positive Wire (+): White Right Rear Speaker Negative Wire (-): Gray. 16 pin Mazda Head Unit proprietary connector layout 2007 Mazda 3 Radio Wiring Chart - the12volt.com Jul 25, 2007 — 2007 Mazda 3 Radio Wiring Chart ; RR Speaker +/-, white - gray, +,- ; Notes: The subwoofer wires are gray/white - WHITE/ blue at the amplifier. I need wire diagram for a 2007 Mazda 3 S my vin is Jul 13, 2020 — From radio unit to the bose amp to the speakers. Thank you. Mechanic's Assistant: Have you checked all the fuses? Do you have a wiring diagram? 2007 Mazda 3 Stereo Wiring Diagrams Right Front Speaker Positive Wire (+): White/Red; Right Front Speaker Negative Wire (-): Gray/Red; Car Audio Rear Speakers ... MAZDA Car Radio Stereo Audio Wiring Diagram Autoradio ... Mazda 3 2011 stereo wiring diagram. Mazda 3 2011 stereo wiring diagram. Mazda ... Car radio wiring colour codes car radio speakers. Copyright © 2007 Tehnomagazin. Bose wiring diagram - Finally! *edited 5/15/07 Nov 7,

2005 — Here is a preview of my walkthrough, still have to take pics of the harness to make it a little easier. The top denotes the half of the ... 2007 SYSTEM WIRING DIAGRAMS Mazda HEADINGS. USING MITCHELL1'S WIRING DIAGRAMS; AIR CONDITIONING; ANTI-LOCK BRAKES; ANTI-THEFT; COMPUTER DATA LINES; COOLING FAN; CRUISE CONTROL. 2.0L 2.3L 2.3L ... Radio Wiring Diagram Mazda 3 2007 : r/mazda3 Google "2007 Mazda 3 radio wiring diagram" and you will find oodles. Mazda is lazy efficient, so they all use the same wiring diagram. Does anyone know what all the stereo wire colors represent Oct 15, 2005 — Yellow is accessory power, red is constant, black is ground, purple is right rear, green is left rear, gray is right front, white is left front. Dante Agostini - Solfeggio Ritmico N - 1 PDF Da Everand. The Subtle Art of Not Giving a F*ck: A Counterintuitive Approach to Living a Good Life. Mark Manson. Dante Agostini - Solfeggio Ritmico n.1 | PDF Dante Agostini - Solfeggio Ritmico n.1 - Read online for free. Dante Agostini Solfeggio Ritmico 1 Dante Agostini Solfeggio Ritmico 1 ; Listed:over a month ago ; Views:10 ; Watchers:0 ; Condition, Brand New (New). Brand New items are sold by an authorized dealer ... DANTE AGOSTINI SOLFEGGIO RITMICO VOLUME 1 DANTE AGOSTINI SOLFEGGIO RITMICO VOLUME 1. €19.00. VAT included. Quantity. DANTE AGOSTINI SOLFEGGIO RITMICO VOL 1 In offerta!. Disponibile. DANTE AGOSTINI SOLFEGGIO RITMICO VOL 1. €19,70 €18,40. DANTE AGOSTINI SOLFEGGIO RITMICO VOL 1. ED. DANTE AGOSTINI. Quantità. DANTE AGOSTINI Solfeggio Ritmico n. 1 (battute semplici) DANTE AGOSTINI Solfeggio Ritmico n. 1 (battute semplici). €19.80. COD: DANTE118 ... Cadette Babysitting Badge Worksheet.pdf Cadette Babysitting Badge Worksheet.pdf Babysitter.pdf (If you attend a course that includes first aid training, that course completes both this step and step 1 of the Cadette First Aid badge.) OR. Interview five ... Cadette Babysitter Badge To earn this badge, complete the requirements in Cadette Babysitter Badge Requirements. Find out where to place Brownie badges & insignia. Girl Scout badges ... Cadette Babysitter Badge Requirements This 8-page pamphlet provides the steps needed for the Cadette age level girl to earn her Babysitter Badge. Badge sold separately. Pamphlet is three-hole ... 32 Cadette GS ~ Babysitting Badge ideas Aug 20, 2018 - Cadette Girl Scout ~ Babysitting Badge. See more ideas about babysitting, babysitter, babysitting kit. BABYSITTER CADETTE BADGE REQUIREMENTS This 8-page pamphlet provides the steps needed for the Cadette age level girl to earn her Babysitter Badge. Badge sold separately. Pamphlet is three-hole ... Girl Scouts - Safe Sitter® Safe Sitter® programs help Girl Scouts meet requirements for their Independence Badge, Babysitting Badge, and First Aid Badge. Compare program options below ... Cadette Babysitter How-To Guide This guide will help you work through the babysitter badge with your Girl Scout Cadette. ... Badge Requirement: Practice your babysitting skills. Supplies Needed. Cadette Babysitter Download - Step 1: How Kids Develop Included with the Cadette Babysitter badge download. It's very different when you're babysitting a two-year-old rather than an eight-year old.