

Comprehensive Treatment of Knee Osteoarthritis (Recent Advances): Book Review

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Abstract: *This book review delves into the recent advancements in the treatment of knee osteoarthritis, as presented in the book Comprehensive Treatment of Knee Osteoarthritis. Covering 18 parts, the book provides an in-depth look at the progression from initial drug treatments to advanced surgical interventions, offering valuable insights for researchers, clinicians, and students in the field. All the referred treatments (nonsurgical and surgical), as well as their indications, results, and complications, have been analyzed in this book by expert authors in the management of knee osteoarthritis, who have also included a thorough review of the most recent literature on the subject. Authors has been translated into a single volume the most recent advances in the comprehensive treatment of knee osteoarthritis, a disease that is tremendously frequent and that in its final stages is extremely painful and incapacitating, thus causing a serious deterioration in the quality of life of people who suffer from it.*

Keywords: Non-surgical Treatment, Surgical Interventions, Pain Management

1. Introduction

This article aims to provide a comprehensive review of the book Comprehensive Treatment of Knee Osteoarthritis, highlighting its contributions to current medical practices and research in osteoarthritis treatment.

This review is significant as it offers a critical analysis of a key resource in osteoarthritis treatment, potentially guiding medical professionals in adopting the latest treatment methodologies.

2. Evaluation/ Analysis

This book describes the treatment methods wellwith detailed evidence. The book is divided into 18 chapters, where each chapters describes the most advanced way of treating osteoarthritis of the knee. In the first chapter, drug treatment is described, i.e. oral application of therapy for pain management, then the 2th chapter describes physical therapy and rehabilitation, where physical therapy for pain management and ease of life for people with osteoarthritis is described in detail, then 3th chapter describes therapy injection in the knee region with corticosteroids and hyaluronic acid, the forth chapter describes the injection therapy of plasma rich in platelets, which has been used recently, the 5th chapter describes intra-articular injections of ozone gas, where then chapters 6-10 describe the methods and methods of conservative and surgical interventions in osteoarthritis of the knee, while chapters 10-18 describe possible risks during surgical interventions such as peroneal nerve paralysis, periprosthetic fractures, infections, revisions, instability, iliotibial band, etc., and how to prevent them.

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The authors has had intention to translate into a single volume the most recent advances in the comprehensive treatment of knee osteoarthritis, a disease that is tremendously frequent and that in its final stages is extremely painful and incapacitating, thus causing a serious deterioration in the quality of life of people who suffer from it.

3. Strength

The book on Comprehensive treatment of knee osteoarthritis describes how well osteoarthritis of the knee can be managed by including the most contemporary multi-dimensional methods of treatment and rehabilitation, offering the reader a clear overview of information and the possibility of applying this information in health institutions. This book describes conservative treatment: injection with corticosteroid and hyaluronic acid, physical rehabilitation and latest scientific of treatments methods which are intra-articular injections of Platelet-Rich Plasma (PRP) in Knee Osteoarthritis, injection of Ozone Gas, and conservative and surgical treatment which I consider that are the strengths of this book.

4. Weakness

This book is fist published and I thing authors are very specifically and more detailed also more information are

included in every chapter, in terms of weaknesses those are things that I notice.

5. Conclusion

This book review successfully summarizes the latest advancements in treating knee osteoarthritis, as presented in the book. It emphasizes the books contribution to both academic knowledge and practical applications in medical treatment.

References

- [1] Book Specifics: ISBN 978-3-030-44491-4; ISBN 978-3-030-44492-1 (eBook)
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