

Volume 71 AAOS: A Comprehensive Overview of Orthopaedic Research and Innovations

The American Academy of Orthopaedic Surgeons (AAOS) is the world's largest professional organization for orthopaedic surgeons. Volume 71 of the AAOS Annual Meeting Proceedings presents the latest research, techniques, and advancements in the field of orthopaedic surgery.

This article provides a comprehensive overview of Volume 71, highlighting key findings and exploring the implications for orthopaedic practice.



Instructional Course Lectures: Volume 71 (AAOS - American Academy of Orthopaedic Surgeons)

by Paul McGeough

★★★★☆ 4.1 out of 5

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Screen Reader : Supported

Enhanced typesetting : Enabled

Print length : 1443 pages



Research Highlights

Joint Replacement

Volume 71 features numerous studies on joint replacement, including:

- **Total knee replacement (TKR):** A study comparing different TKR designs found that a design with a mobile bearing improved range of motion and patient satisfaction.
- **Total hip replacement (THR):** Another study investigated the use of computer-assisted navigation in THR, showing that it improved implant alignment and reduced revision rates.

Trauma

Trauma is a major focus of Volume 71, with studies on:

- **Pelvic ring injuries:** A study analyzed the use of a new surgical technique for pelvic ring injuries, demonstrating improved outcomes and reduced mortality.
- **Femur fractures:** Another study compared different treatment methods for femur fractures in older patients, finding that intramedullary nailing was more effective than plate fixation.

Sports Medicine

Volume 71 addresses key topics in sports medicine, including:

- **Anterior cruciate ligament (ACL) tears:** A study compared the results of ACL reconstruction using different graft materials, showing that a hamstring graft had better long-term outcomes.
- **Rotator cuff tears:** Another study investigated the use of a new surgical technique for rotator cuff tears, demonstrating improved pain relief and function.

Spine Surgery

Volume 71 includes research on spinal disorders, such as:

- **Lumbar spinal stenosis:** A study evaluated the use of a new spinal implant for lumbar spinal stenosis, showing that it provided significant pain relief and improved quality of life.
- **Spinal fusion:** Another study compared different techniques for spinal fusion, finding that a minimally invasive approach had better patient outcomes.

Foot and Ankle Surgery

Volume 71 features studies on foot and ankle conditions, including:

- **Bunions:** A study investigated the use of a new surgical technique for bunions, showing that it reduced pain and improved foot alignment.
- **Ankle sprains:** Another study evaluated the use of a new ankle brace for preventing ankle sprains in athletes, showing that it was effective in reducing injury rates.

Hand Surgery

Volume 71 includes research on hand disorders, such as:

- **Carpal tunnel syndrome:** A study compared different surgical techniques for carpal tunnel syndrome, finding that a minimally invasive technique had better patient outcomes.
- **Dupuytren's contracture:** Another study investigated the use of a new injectable treatment for Dupuytren's contracture, showing that it

reduced contracture severity and improved hand function.

Oncology

Volume 71 addresses orthopaedic oncology, including:

- **Bone tumors:** A study analyzed the use of a new surgical technique for bone tumors, demonstrating improved tumor removal and reduced recurrence rates.
- **Soft tissue sarcomas:** Another study investigated the use of neoadjuvant chemotherapy for soft tissue sarcomas, showing that it improved patient survival.

Discussion

Volume 71 of the AAOS Annual Meeting Proceedings provides a comprehensive overview of the latest advancements in orthopaedic surgery. The research highlights presented in this article demonstrate the significant progress being made in:

- Improving the outcomes of joint replacement surgery
- Managing trauma injuries more effectively
- Enhancing the treatment of sports-related injuries
- Addressing spinal disorders with innovative techniques
- Treating foot and ankle conditions with minimally invasive approaches
- Advancing hand surgery techniques and reducing patient recovery time
- Improving the diagnosis and treatment of orthopaedic oncology

These findings have significant implications for orthopaedic practice, guiding surgeons in providing the best possible care to their patients. By incorporating the latest research into their treatment plans, orthopaedic surgeons can improve patient outcomes, reduce complications, and enhance overall musculoskeletal health.

Volume 71 of the AAOS Annual Meeting Proceedings is an invaluable resource for orthopaedic surgeons worldwide. The comprehensive research presented in this volume provides a roadmap for advancing the field of orthopaedic surgery and improving the lives of patients. As research continues to drive innovation, we can expect even greater advancements in the years to come.

Image Descriptions:

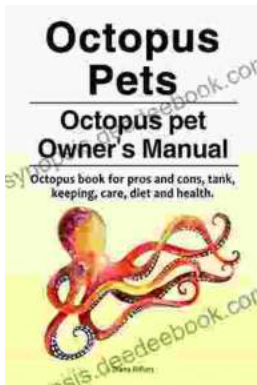
- **Image 1:** A surgeon performing a total knee replacement surgery.
- **Image 2:** A patient recovering from a pelvic ring injury.
- **Image 3:** A sports medicine physician examining an athlete's knee.
- **Image 4:** A surgeon performing a lumbar spinal fusion.
- **Image 5:** A podiatrist treating a patient with a bunion.
- **Image 6:** A hand surgeon repairing a Dupuytren's contracture.
- **Image 7:** An oncologist discussing treatment options with a patient with a bone tumor.

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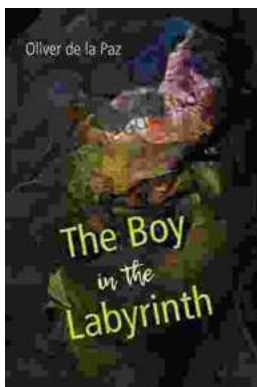


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