2) Treatment of Adhesive Capsulitis: A Randomized Controlled Trial Comparing Arthrographic Joint Distension with Steroid, Saline and Local Anesthetic Versus Arthrogram with Local Anesthetic Alone
Tucker A, Hiscox C, Bicknell RT
Human Mobility Research Centre, Queen’s University
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3) Effects of Early Motion Versus Delayed Motion on Pain, ROM, Function, and Recurrence Rates Following Arthroscopic Anterior Stabilization of the Shoulder with or Without Bankart Repair
Banaszek D, Bardana D, Bicknell RT
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Kingston, Ontario, Canada

4) Arthroscopic Bankart Repair at Queen's University: An Internal Review of Post-Operative Outcomes
Higgins J, Banaszek D, Bardana D, Bicknell RT
Human Mobility Research Centre, Queen's University
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5) Results of Rotator Cuff Repair Following Acute Shoulder Dislocation: A Multicenter Study
Armstrong AD, ACCESS Group Investigators
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6) Arthroscopic Bankart Repair With and Without Arthroscopic Infraspinatus Remplissage in Anterior Shoulder Instability With a Hill-Sachs Defect: A Multicenter Randomized Controlled Trial
Old J, JOINTS Canada Investigators
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7) A Multicenter Study of the Sidus Stem-Free Shoulder Arthroplasty System
Zimmer Investigators
Zimmer Inc.
Warsaw, Indiana, USA

8) All-Arthroscopic or Mini-Open Repair of a Rotator Cuff Tear: A Canadian Multicentre Randomized Controlled Trial
Holtsby R, JOINTS Canada Investigators
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9) Shoulder Arthroplasty Failure Experience (SAFE): A Multicenter Study
Matsen FA, Bicknell RT, et al.
University of Washington
Seattle, Washington, USA
10) Does Systemic Dexamethasone Prolong Analgesia After Interscalene Catheter Removal Following Shoulder Arthroplasty? A Randomized Controlled Trial
Shyam V, Ho A, Bicknell RT, Murdoch J, Raghavan G
Department of Anaesthesia, Queen’s University
Kingston, Ontario, Canada

11) Post-operative Time to Discharge and Pain Scores/Opioid Requirements Following Interscalene Catheter Removal at 30 Hours Versus 48 Hours Amongst Patients Undergoing Shoulder Arthroplasty.
Shyam V, Raghavan G, Bicknell RT, Murdoch J
Department of Anaesthesia, Queen’s University
Kingston, Ontario, Canada

12) Comparison of the Efficacy of a Novel Periarticular Analgesic Injection to Single Shot Ultrasound-guided Interscalene Brachial Plexus Blockade as Part of a Multimodal Analgesia Regime in Patients Undergoing Arthroscopic Shoulder Surgery
Murdock J, Shyam V, Bardana D, Bicknell RT
Department of Anaesthesia, Queen’s University
Kingston, Ontario, Canada

JOURNAL PUBLICATIONS

Peer Reviewed


Submitted to Peer-Reviewed Journals


Non Peer-Reviewed Publications


Abstracts


**Book Chapters**


CONFERENCE PRESENTATIONS

International

1) Direct Measurements of Distal Radius Fracture Stability using an Electromagnetic Tracking Device During Simulated Active Motion
   Dunning CE, Lindsay CS, Bicknell RT, Patterson SD, Johnson JA, King GJW
   5th Triennial International Hand and Wrist Biomechanics Symposium
   Minneapolis, MN, USA, 1998.

2) Ilizarov Hybrid External Fixation of Distal Radius Fractures in Comparison to Conventional Techniques
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3) Fixation of Distal Radius Fractures: In-Vitro Stability of a New Hybrid Ring External Fixator vs. the Dorsal AO Plate
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6) Supplemental Pinning Improves the Stability of External Fixation in Simulated Distal Radius Fractures
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7) Fixation of Distal Radius Fractures: In-Vitro Stability of a New Hybrid Ring External Fixator vs. the Dorsal AO Plate
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9) Brachioradialis Load and Forearm Position Affect the Stability of Distal Radius Fractures
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10) The Influence of Implant Thickness and Articular Congruency on Stability of an All-Metal Glenoid Component
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Anaheim, CA, USA, 1999 (Poster).

11) Do Screws and Keels Improve Fixation of a Metal Glenoid Implant?
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13) Cyclic Loading of Rotator Cuff Repairs: An in vitro Biomechanical Comparison of
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22) Arthroscopic Revision of Failed Open Anterior Stabilization of the Shoulder
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23) Assessment of Humeral Head Position During Glenohumeral Elevation With Computer-assisted Shoulder Hemiarthroplasty
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24) Arthroscopic Biceps Tenotomy And Tenodesis For Massive Irreparable Rotator Cuff Tears
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25) Arthroscopic Treatment of Type II SLAP Lesions: Biceps Tenodesis as an Alternative to Reinsertion
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29) Complications of Arthroplasty for Proximal Humerus Fractures: A 2 to 10 Year Multicenter Follow-up Study
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32) The Unstable Painful Shoulder (UPS): As a Cause of Pain from Unrecognized Instability in the Young Athlete
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46) Arthroscopic Bristow-Latarjet-Bankart for the Treatment of Anterior Instability in Shoulders with Glenoid Bone Loss and Deficient Anterior Capsule: The “Triple Blocking” of the Shoulder
Boileau P, Roussanne Y, Bicknell RT
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50) Effect of Loading Direction on Force to Dislocation in Reverse Shoulder Arthroplasty: Assessment Using a Custom-designed Shoulder Kinematic Simulator
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35th Annual Meeting of the American Society of Biomechanics
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51) Analyzing Shoulder Translation with Navigation Technology
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52) Does Implant Adaptability Affect Functional Outcome Following Shoulder Arthroplasty: A Comparison of Two Implant Designs
Arora D, Bicknell RT
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Chicago, Illinois, USA, 2013 (Poster).
53) Factors Affecting Stability of Reverse Shoulder Arthroplasty
**Clouthier A**, Herzler M, Fedorak G, Bryant T, Deluzio K, Bicknell RT
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54) Glenoid Inclination and Screw Position in Reverse Shoulder Arthroplasty: A Radiographic Assessment
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55) A Comparison between Conventional and Navigated Baseplate Screw Placement in Reverse Shoulder Arthroplasty
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56) Evaluation of Shoulder Arthroscopy Simulation for Orthopaedic Trainees
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57) Comparing a Novel 3D-CT Reconstruction Method to Conventional 2D Approaches for Evaluating Glenoid Implant and Screw Position for Reverse Shoulder Arthroplasty
Venne G, Pickell M, Pichora D, **Bicknell RT**, Ellis R
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60) A Comparison between Computer-assisted and Conventional Surgery for Baseplate and Screw Placement in Reverse Shoulder Arthroplasty
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1) Calibration and Accuracy of the Tekscan Pressure Measurement System
   **Bicknell RT**, King GJW, Chess DG, Johnson JA
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2) All-Metal Glenoid Component Design in Shoulder Arthroplasty: The Effect of Component
   Thickness on Implant Stability
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7) The Distal Radius “Pi” Plate vs. The Dorsal AO Plate: A Comparative Biomechanical Study
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11) Cyclic Loading of Rotator Cuff Repairs: An in vitro Biomechanical Comparison of
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13) Computer-assisted Shoulder Hemiarthroplasty for Fractures of the Proximal Humerus
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Drosdowech D
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14) Computer-assisted Shoulder Hemiarthroplasty for Fractures of the Proximal Humerus
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GJW, Faber KJ
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15) Computer-assisted Shoulder Hemiarthroplasty for Fractures of the Proximal Humerus
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Faber KJ, Drosdowech D
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16) Computer-assisted Shoulder Hemiarthroplasty Improves Humeral Head Position
Kedgley AE, Bicknell RT, DeLude JA, Ferreira LM, Dunning CE, King GJW, Faber KJ,
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Toronto, ON, Canada, 2006.
17) Arthroscopic Bristow: A New "Belt and Suspenders" Technique for the Treatment of Anterior Shoulder Instability
**Bicknell RT**, Boileau P, Chuinard C, El Fegoun AB
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18) Arthroscopic Revision of Failed Open Anterior Stabilization of the Shoulder
Boileau P, Richou J, Gonzalez JF, **Bicknell RT**, Neyton L, Jacquot N, Chuinard C
62nd Annual Meeting of the Canadian Orthopaedic Association

19) Humeral Problems in Reverse Shoulder Arthroplasty
Chuinard C, Trojani C, **Bicknell RT**, Boileau P
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20) Results of Reverse Shoulder Arthroplasty In Proximal Humerus Fracture Sequelae
Neyton L, Garaud P, Boileau P, **Bicknell RT**, Chuinard C
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21) Arthroscopic Treatment of Type II SLAP Lesions: Biceps Tenodesis as a Functional Alternative to Reinsertion
Parratte S, Chuinard C, **Bicknell RT**, Jacquot J, Trojani C, Boileau P
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22) Treatment of Combined Loss of Elevation and External Rotation of the Humerus: Reverse Arthroplasty and Latissimus Dorsi And Teres Major Transfer Through A Single Deltoperatoric Approach
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23) Complications of Arthroplasty for Proximal Humeral Fractures: A 2 to 10 Year Multicenter Follow-up Study
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24) Results of Deep Infection After a Reverse Shoulder Arthroplasty
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27) Instability After Reverse Shoulder Arthroplasty
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28) Reverse Shoulder Arthroplasty: Indications and Results of the French Multicenter Study
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63\textsuperscript{rd} Annual Meeting of the Canadian Orthopaedic Association
Quebec City, PQ, Canada, 2008.

29) Arthroscopic Treatment Of Deep Partial Thickness Tears Of The Supraspinatus Tendon
Bicknell RT, Pelegri C, Chuinard C, Neyton L, Boileau P
63\textsuperscript{rd} Annual Meeting of the Canadian Orthopaedic Association
Quebec City, PQ, Canada, 2008.

30) Propionibacterium Acnes Infections in Revision Shoulder Surgery: An Analysis of 20 Consecutive Cases with Positive Intra-operative Cultures
Bicknell RT, Pottinger PS, Bertelsen A, Matsen FA
64\textsuperscript{th} Annual Meeting of the Canadian Orthopaedic Association

31) The Unstable Painful Shoulder (UPS): As a Cause of Pain from Unrecognized Instability in the Young Athlete
Bicknell RT, Chuinard C, Penington S, Balg F, Boileau P
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32) Bony Increased-Offset Reverse Shoulder Arthroplasty (BIO-RSA): A Biologic Solution to Scapular Notching, Prosthetic Instability and Limited Shoulder Rotation
Bicknell RT, Boileau P, Roussanne Y, Brassart N, Chuinard C
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65\textsuperscript{th} Annual Meeting of the Canadian Orthopaedic Association
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Provincial

1) The Use of Upper Extremity Joint Analysis in the Care of the Orthopaedic Patient
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Regional

1) Fixation of Distal Radius Fractures: In-Vitro Stability of a New Hybrid Ring External Fixator vs. the Dorsal AO Plate
Lindsay CS, Dunning CE, Bicknell RT, Johnson JA, King GJW, Patterson SD
25th Clinical Seminar in Orthopaedic Surgery

2) An Anthropometric Evaluation of the Glenoid: Implications in the Design and Fixation of a Shoulder Prosthesis
Bicknell RT, Danter MR, Bennett JD, Patterson SD, King GJW, Johnson JA, Chess DG
9th Annual Sister Mary Doyle Research Day, Lawson Research Institute

3) Fixation of Distal Radius Fractures: In-Vitro Stability of a New Hybrid Ring External Fixator vs. the Dorsal AO Plate
Dunning CE, Lindsay CS, Bicknell RT, Johnson JA, King GJW, Patterson SD
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4) Brachioradialis Load and Forearm Position Affect the Stability of Distal Radius Fractures
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5) All-Metal Glenoid Component Design In Shoulder Arthroplasty: An in vitro Implant Stability Study
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6) Cyclic Loading of Rotator Cuff Repairs: An in vitro Biomechanical Comparison of Bioabsorbable Anchors with Transosseous Sutures
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Clouthier A, Hetzler M, Vivani S, Fedorak G, Deluzio K, Bryant T, Bicknell RT
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15) Type II SLAP Lesions: Biceps Tenodesis in an Older Patient Population
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16) Anatomy Recreation, Functional Outcome and Range of Motion Following Shoulder Arthroplasty: A Comparative Study of Two Implant Designs
Arora D, Bicknell RT
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17) Effect of Loading Direction on Force to Dislocation in Reverse Shoulder Arthroplasty: Assessment Using a Custom-designed Shoulder Kinematic Simulator
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Tucker A, Hiscox C, Bicknell RT
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21) Anatomy Recreation, Functional Outcome and Range of Motion Following Shoulder Arthroplasty: A Comparative Study of Two Implant Designs
Arora D, Bicknell RT
30th Annual William Ersil Resident Research Day
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22) Analysis of the Clinical Outcome of Distention Arthrogram with Steroids for the Treatment of Adhesive Capsulitis
Tucker A, Hiscox C, Bicknell RT
2nd Annual Charlie Sorbie Department of Surgery Research Day
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23) Anatomy Recreation, Functional Outcome and Range of Motion Following Shoulder Arthroplasty: A Comparative Study of Two Implant Designs
Arora D, Bicknell RT
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24) Factors Affecting Stability of Reverse Shoulder Arthroplasty
Clouthier A, Hetzler M, Fedorak G, Bryant T, Deluzio K, Bicknell RT
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Zakanai S, Venne G, Smith Ej, Bicknell RT, Ellis RE
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32) Accuracy of Radiographic and CT Scan Methods for Assessment of Glenoid Inclination and Screw Position in Reverse Shoulder Arthroplasty
Pickell M, Bicknell RT
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33) A Comparison between Conventional and Navigated Baseplate Screw Placement in Reverse Shoulder Arthroplasty
Venne G, Rasquinha B, Pichora D, Bicknell RT, Ellis RE
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34) Accuracy of Radiographic and CT Scan Methods for Assessment of Glenoid Inclination and Screw Position in Reverse Shoulder Arthroplasty
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35) Range of Motion and Stability in Reverse Shoulder Arthroplasty
North L, Pickell M, Clouthier A, Bryant T, Deluzio K, Bicknell RT
32nd Annual William Ersil Resident Research Day
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36) A Comparison of Computer-assisted and Conventional Surgery Baseplate and Screw Placement in Reverse Shoulder Arthroplasty
Venne G, Rasquinha B, Pickell M, Pichora D, Ellis RE, Bicknell RT
4th Annual Charlie Sorbie Department of Surgery Research Day
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52) Analysis of the Clinical Outcome of Arthrographic Injection with Steroid for the Treatment of Adhesive Capsulitis
Tucker A, Hiscox C, Bicknell RT
4th Annual Charlie Sorbie Department of Surgery Research Day
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37) Range of Motion and Stability in Reverse Shoulder Arthroplasty
North L, Pickell M, Clouthier A, Bryant T, Deluzio K, Bicknell RT
4th Annual Charlie Sorbie Department of Surgery Research Day
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61) Novel Image Registration Technique for Assessing Component Position in Reverse
Shoulder Arthroplasty
Pickell M, Venne G, Ellis R, Bicknell RT
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62) Determining the Effect of Implant Design Variables on Impingement and Range-of-Motion
in Reverse Shoulder Arthroplasty using a Novel Component Tracking Method
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