



## **Professor Pascal Boileau**

Practice: **ICR, Institut de Chirurgie Réparatrice**

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Short CV 14/01/2026

**Pascal Boileau** is Professor of Orthopaedic Surgery and Traumatology. He served as Chairman of the Orthopaedic Surgery and Traumatology Department in University Hospital of Nice until 2020 and acted as Vice-Dean for Research at the Medical University of Nice. Since November 2020, he is working at the ICR (Institut de Chirurgie Réparatrice), a private clinic, taking charge of shoulder diseases and sports-related injury in Nice.

He specializes in shoulder arthroscopy, minimally invasive surgery, and shoulder replacement for the treatment of rotator cuff tears, shoulder instability, osteoarthritis, and fractures around the shoulder. His considerable experience on surgical technique and clinical research work result in better outcomes in patients with shoulder osteoarthritis, instability and cuff tear arthropathy due to increasing interests on arthroplasty. He also deals with sports medicine for professional athletes and general populations with sports injuries of the shoulder.

Pascal Boileau performed three **fellowships**:

- Orthopaedic Fellowship in Lyon (Pr Henri Dejour) in 1988-89 where he met Gilles Walch MD with who he started a fruitful collaboration.

- Shoulder and Knee Fellowship in USA in June-September 1990 with an award of the French Society of Orthopaedic Surgery and Traumatology (SOFCOT).

- Shoulder ASES/ SECEC Fellowship in USA in October-November 1993 with a Scholarship of the European Society of the Surgery of the Shoulder and the Elbow (SECEC).

By outstanding basic and clinical research on shoulder replacement, he received many **prizes and awards**, including:

- “**Gisela Sturm Prize**” from **EFORT** in 1997 for the design and development of the first anatomical shoulder arthroplasty (*Aequalis<sup>TM</sup> Tornier prosthesis*)

- “**Charles Neer Award**” in 2005 for the Reverse Shoulder Arthroplasty Biomechanics and Results

- “**ICSES Prize**” (Internal Conference on Shoulder & Elbow Surgery) in 2006 for the best clinical research for developing the ISIS score.

- **SECEC Research Grant 2008**: for the best clinical research: **Tendon repair technique using Platelet rich fibrin as an autologous augmentation in repair of chronic rotator cuff tendon tears**. Zumstein M, Rumian A, Thélou CE, Lesbats V, O’Shea, K, Schaer M, Boileau P.

- **“Paul Grammont Award”** in 2019, provided to the best researcher who contributed to the understanding and care of Fracture Sequelae treated with a Reverse Prosthesis.

He participated in the **design and development of many shoulder prostheses and implants**, including *Aequalis Anatomic prosthesis*, *Aequalis Reverse prosthesis*, *Aequalis fracture prosthesis*. He also designed the *first long-peg Aequalis glenoid baseplate* for BIO-RSA. He is one of the conceptors of the first convertible “onlay” prosthesis (*Aequalis Ascend prosthesis*) and the convertible “flush lay” prosthesis (*Perform prosthesis*). He is one of the conceptors of the *Perform Fracture Prosthesis*, an anatomic and reversed prosthesis for fractures, recently released. He is also the conceptor and designer of the *Aequalis IM Nail*, the first and only 3<sup>rd</sup> Generation IM Humeral Nail based on tuberosity fixation (instead of Humeral head fixation) with locking screw technology. He is also the inventor of the *Nice knot* using a looped suture (*Nice Loop*).

**He is the inventor of many open and arthroscopic surgical procedures or techniques** including:

- the technique of **tuberosity reconstruction** around a shoulder prosthesis (Hemi and Reverse) and around the Aequalis IM Nail.
- the technique and concept of **glenoid bony lateralization** using humeral bone graft or **BIO-RSA** (*Bony Increased Offset Reverse Shoulder Arthroplasty*) started in 2006.
- the technique and concept of **glenoid bony reconstruction** using humeral bone graft or **Angled BIO-RSA** in case of glenoid erosion or bone loss (Type B2 or C Glenoid).
- the technique and concept of **correction of superior glenoid inclination** using humeral bone graft (**Angled BIO-RSA**) to correct the RSA Angle.
- the technique and concept of **Latissimus tendon transfer and L’Episcopo tendon transfer** in isolation or in combination with RSA
- The concept and technique of **Percutaneous IM Nailing of 2-part surgical neck fractures**
- the **arthroscopic Latarjet technique and bone blocks procedures using suture button fixation.**
- the **arthroscopic Trillat procedure**
- the **arthroscopic Modified Weaver-Dunn procedure**
- the **arthroscopic Posterior bone Block using suture anchors**

Another field of his interests is the development of one of the **first softwares to plan shoulder arthroplasty** with 2D/3D kinematic models of joints using computer-based virtual figure drawings and motion analysis. Pascal Boileau created a start-up, the IMASCAP company with Gilles Walch, MD and Jean Chaoui PhD that led to the development of the **BLUEPRINT software** for planning shoulder replacement. The IMASCAP company and Blueprint software were acquired in 2017 by WRIGHT Medical and then by STRYKER.

Since 2003, he successfully organized the **Nice Shoulder Course**, biannually from 2004 with the 13<sup>th</sup> edition coming in 2026. This course is one the most attended shoulder courses with among 1000 shoulder surgeons from more than 60 countries.

He actively participates in international meetings and symposiums to share his knowledge and experience with peers and younger surgeons.

From 2006 to 2010, he acted as General secretary of SECEC and, from 2010 to 2012, served as **President Elect of the European Shoulder & Elbow Society (SECEC)**.

He is a **Honorary member of the French Orthopaedic and Traumatology Society (SOFCOT) and French Arthroscopy Society (SFA)**. He is also an associated member of many scientific national and international learned societies of orthopaedics and shoulder and elbow surgery, including **AAOS, ASES, SECEC-ESSE, DVSE, Polish, Korean, Portuguese Shoulder & Elbow Society**.

Pr Boileau has published **more than 250 scientific articles** in peer review journals until now with many being among the most cited articles. His publications concern all fields of shoulder surgery and some articles are landmark articles (see below).

### **Anatomic Shoulder Prosthesis**

Boileau P, Walch G. The three-dimensional geometry of the proximal humerus. Implications for surgical technique and prosthetic design. *J Bone and Joint Surg (Br)*, 1997, 79B: 5, 857-865.

Walch G, Boileau P. Prosthetic adaptability: a new concept for shoulder arthroplasty. *J Shoulder Elbow Surg*, 1999, Sept-Oct;8(5) :443-51.

Boileau P, Avidor C, Krishnan SG, Walch G, Kempf JF, Molé D. Cemented polyethylene versus uncemented metal-backed glenoid components in total shoulder arthroplasty: a prospective, double-blind, randomized study. *J Shoulder Elbow Surg*. 2002; 11(4): 351-359.  
(46/50 top most-cited, 2016)

### **Reverse Shoulder Prosthesis**

Boileau P, Watkinson DJ, Hatzidakis AM, Balg F. Grammont reverse prosthesis: design, rationale, and biomechanics. *J Shoulder Elbow Surg*. 2005; 14(1 Suppl S): 147S-161S.  
(12/50 top most-cited, 2016)

Boileau P, Watkinson D, Hatzidakis AM, Hovorka I. **Neer Award 2005**: The Grammont reverse shoulder prosthesis: results in cuff tear arthritis, fracture sequelae, and revision arthroplasty. *J Shoulder Elbow Surg*. 2006; 15(5): 527-540. (8/50 top most-cited, 2016)

Boileau P, Melis B, Duperron D, Moineau G, Rumian AP, Han Y. Revision surgery of reverse shoulder arthroplasty. *J Shoulder Elbow Surg*. 2013 Oct;22(10):1359-70. doi: 10.1016/j.jse.2013.02.004. Epub 2013 May 22. PMID: 23706884

Boileau P. Complications and revision of reverse total shoulder arthroplasty. *Orthop Traumatol Surg Res*. 2016 Feb;102(1 Suppl):S33-43. doi: 10.1016/j.otsr.2015.06.031.

Schippers P, Lacouture JD, Junker M, Baranowski A, Drees P, Gercek E, Boileau P. Can we separately measure glenoid vs. humeral lateralization and distalization in reverse shoulder arthroplasty? *J Shoulder Elbow Surg*. 2024 May;33(5):1169-1176. doi: 10.1016/j.jse.2023.09.026.

## **Muscle Tendon Transfers**

Boileau P, Chuinard C, Roussanne Y, Neyton L, Trojani C. Modified latissimus dorsi and teres major transfer through a single delto-pectoral approach for external rotation deficit of the shoulder: as an isolated procedure or with a reverse arthroplasty. *J Shoulder Elbow Surg.* 2007 Nov-Dec;16(6):671-82.

Boileau P, Rumian AP, Zumstein MA. Reversed shoulder arthroplasty with modified L'Episcopo for combined loss of active elevation and external rotation. *J Shoulder Elbow Surg.* 2010 Mar;19(2 Suppl):20-30

Boileau P, Baba M, McClelland WB Jr, Thélou CÉ, Trojani C, Bronsard N. Isolated loss of active external rotation: a distinct entity and results of L'Episcopo tendon transfer. *J Shoulder Elbow Surg.* 2018 Mar;27(3):499-509.

## **BIO-RSA / RSA angle**

Boileau P, Moineau G, Roussanne Y, O'Shea K. Bony increased-offset reversed shoulder arthroplasty (BIO-RSA): minimizing scapular impingement while maximizing glenoid fixation. *Clin Orthop Relat Res.* 2011 Sep;469(9):2558-67.

Boileau P, Morin-Salvo N, Gauci MO, Seeto BL, Chalmers PN, Holzer N, Walch G. Angled BIO-RSA (bony-increased offset-reverse shoulder arthroplasty): a solution for the management of glenoid bone loss and erosion. *J Shoulder Elbow Surg.* 2017 Dec;26(12):2133-2142.

Boileau P, Gauci MO, Wagner ER, Clowez G, Chaoui J, Chelli M, Walch G. The reverse shoulder arthroplasty angle: a new measurement of glenoid inclination for reverse shoulder arthroplasty. *J Shoulder Elbow Surg.* 2019 Jul;28(7):1281-1290.

Boileau P, Morin-Salvo N, Bessière C, Chelli M, Gauci MO, Lemmex DB. Bony increased-offset-reverse shoulder arthroplasty: 5 to 10 years' follow-up. *J Shoulder Elbow Surg.* 2020 Oct;29(10):2111-2122.

Secci G, Mouchantaf M, Biegun M, Schippers P, Chelli M, Boileau P. Survival and Long-Term (minimum 10-year) Outcomes of BIO-RSA (Bony increased-offset reverse shoulder arthroplasty). *J Shoulder Elbow Surg.* 2025 Dec 29:S1058-2746(25)00871-7. doi: 10.1016/j.jse.2025.11.028.

Mouchantaf M, Biegun M, Schippers P, Chelli M, Secci G, Boileau P. Patient-specific BIO-RSA (bony increased-offset reverse shoulder arthroplasty) for glenoid dysplasia (type C) osteoarthritis. *J Shoulder Elbow Surg.* 2025 Oct 31:S1058-2746(25)00764-5. doi: 10.1016/j.jse.2025.10.010.

## **Pyrocarbon Prosthesis**

Cointat C, Raynier JL, Vasseur H, Lareyre F, Raffort J, Gauci MO, Boileau P. Short-term outcomes and survival of pyrocarbon hemiarthroplasty in the young arthritic shoulder. *J Shoulder Elbow Surg.* 2022 Jan;31(1):113-122. doi: 10.1016/j.jse.2021.06.002.

Ranieri R, Cointat C, Lacouture-Suarez JD, Boileau P. Outcomes of Corrective, Concentric (C2) Glenoid Reaming combined with Pyrocarbon Hemiarthroplasty for B2, B3 Glenoid Arthritis. *J Shoulder Elbow Surg.* 2024 Aug 13;S1058-2746(24)00561-5.

Boileau P, Cointat C, Raynier JL, Schippers P, Ranieri R. Pyrocarbon hemiarthroplasty for the treatment of shoulder osteoarthritis in young, active patients: survival and risk factors for revision. *J Shoulder Elbow Surg.* 2026 Feb;35(2):421-437. doi: 10.1016/j.jse.2025.06.021. Epub 2025 Aug 7.

Barret H, Garret J, Favard L, Bonneville N, Collin P, Gauci MO, Boileau P. Long-term (Minimum 10 Years) Survival and Outcomes of Pyrocarbon Interposition Shoulder Arthroplasty. *J Shoulder Elbow Surg.* 2024 Jul 25;S1058-2746(24)00479-8.

Barret H, Boileau P. Can Pyrocarbon be used as a functional spacer for the treatment of recalcitrant shoulder infections? *JSES Int.* 2024 Jan 12;8(1):167-175.

### **Anterior Shoulder Instability / ISIS Score**

Boileau P, Villalba M, Héry J-Y, Balg F, Ahrens P, Neyton L. Risk factors for recurrence of shoulder instability after arthroscopic Bankart repair. *J Bone Joint Surg* 2006;88:1755-1763  
(4/50 top most-cited)

Balg F, Boileau P. The instability severity index score. **ICSES Prize in 2006** for the best clinical research. *J Bone Joint Surg Br* 2007;89-B:1470-1477 (9/50 top most-cited)

### **Posterior Shoulder Instability**

Langlais T, Hardy MB, Lavoue V, Barret H, Wilson A, Boileau P. Recurrent posterior shoulder instability starting in childhood and adolescence. *Bone Joint J.* 2020 Dec;102-B(12):1760-1766. doi: 10.1302/0301-620X.102B12.BJJ-2020-0296.R1.

Boileau P, Hardy MB, McClelland WB Jr, Thélu CE, Schwartz DG. Arthroscopic posterior bone block procedure: a new technique using suture anchor fixation. *Arthrosc Tech.* 2013 Nov 8;2(4):e473-7. doi: 10.1016/j.eats.2013.07.004.

Boileau P, Van Steyn PM, Czarnecki M, Teissier S, Gasbarro G, Galvin JW. The Thumb Test: A Simple Physical Examination Maneuver for the Diagnosis of Symptomatic Posterior Shoulder Instability. *Arthrosc Tech.* 2022 Sep 21;11(9):e1613-e1616. doi: 10.1016/j.eats.2022.05.007.

Vismara V, Boileau P. Arthroscopic Posterior Bankart Repair: Risk Factors for Recurrence; *AJSM* 2026

### **Acromioclavicular Dislocation**

Boileau P, Old J, Gastaud O, Brassart N, Roussanne Y. All-arthroscopic Weaver-Dunn-Chuinard procedure with double-button fixation for chronic acromioclavicular joint dislocation. *Arthroscopy*. 2010 Feb;26(2):149-60. doi: 10.1016/j.arthro.2009.08.008. Epub 2009 Dec 30.

Boileau P, Gastaud O, Wilson A, Trojani C, Bronsard N. All-Arthroscopic Reconstruction of Severe Chronic Acromioclavicular Joint Dislocations. *Arthroscopy*. 2019 May;35(5):1324-1335. doi: 10.1016/j.arthro.2018.11.058

### **Arthroscopic Latarjet / Suture Button Fixation**

Boileau P, Gendre P, Baba M, Thélou CÉ, Baring T, Gonzalez JF, Trojani C. A guided surgical approach and novel fixation method for arthroscopic Latarjet. *J Shoulder Elbow Surg*. 2016 Jan;25(1):78-89.

Boileau P, Saliken D, Gendre P, Seeto BL, d'Ollonne T, Gonzalez JF, Bronsard N. Arthroscopic Latarjet: Suture-Button Fixation Is a Safe and Reliable Alternative to Screw Fixation. *Arthroscopy*. 2019 Mar 8. pii: S0749-8063(18)31066-1.

Boileau P, Ranieri R, Lavoué V, Saliken D. Results of Combined All-Arthroscopic Latarjet with Hill-Sachs Remplissage for Significant Bipolar Glenohumeral Bone Loss. *J Shoulder Elbow Surg*. 2024 Sep 6:S1058-2746(24)00622-0.

Boileau P, Christensen GV, Patterson BM, Nepola JV, Lane CM, Bozoghlian MF, Li X, Galvin JW. Suture Button Fixation in Shoulder Instability Surgery to Achieve Bone Healing: A Critical Analysis Review. *JBJS Rev*. 2024 Dec 6;12(12).

Descamps J, Greco V, Chelli M, Boileau P. The Arthroscopically Guided Bristow-Latarjet Procedure With Cortical Button Fixation: A Minimum 10-Year Follow-up. *Am J Sports Med*. 2024 Sep;52(11):2815-2825. doi: 10.1177/03635465241263590. Epub 2024 Sep 2.

### **Rotator Cuff Repair**

Boileau P, Brassart N, Watkinson DJ, Carles M, Hatzidakis AM, Krishnan SG. Arthroscopic repair of full-thickness tears of the supraspinatus: Does the tendon really heal? *J Bone Joint Surg* 2005;87:1229-1240 (3/50 top most-cited)

Boileau P, Baqué F, Valerio L, Ahrens P, Chuinard C, Trojani C. Isolated arthroscopic biceps tenotomy or tenodesis improves symptoms in patients with massive irreparable rotator cuff tears. *J Bone Joint Surg* 2007;89:747-757 (12/50 top most-cited)

Boileau P, Andreani O, Schramm M, Baba M, Barret H, Chelli M. The Effect of Tendon Delamination on Rotator Cuff Healing. *Am J Sports Med*. 2019 Apr;47(5):1074-1081.

Boileau P, McClelland WB Jr, Rumian AP. Instr Course Lect. *JBJS Am* 2014;63:71-83. Massive irreparable rotator cuff tears: how to rebalance the cuff-deficient shoulder.

Azar M, Van der Meijden O, Pireau N, Chelli M, Gonzalez JF, Boileau P. Arthroscopic revision cuff repair: do tendons have a second chance to heal? *J Shoulder Elbow Surg*. 2022 Dec;31(12):2521-2531. doi: 10.1016/j.jse.2022.04.024.

## **Long Head of Biceps / SLAP**

Boileau P, Krishnan SG, Coste J-S, Walch G. Arthroscopic biceps tenodesis: A new technique using bioabsorbable interference screw fixation. *Arthroscopy*. 2002;18:1002-1012 (32/50 top most-cited)

Boileau P, Ahrens PM, Hatzidakis AM. Entrapment of the long head of the biceps tendon: the hourglass biceps--a cause of pain and locking of the shoulder. *J Shoulder Elbow Surg*. 2004 May-Jun;13(3):249-57. doi: 10.1016/j.jse.2004.01.001.

Boileau P, Baqué F, Valerio L, Ahrens P, Chuinard C, Trojani C. Isolated arthroscopic biceps tenotomy or tenodesis improves symptoms in patients with massive irreparable rotator cuff tears. *J Bone Joint Surg Am*. 2007 Apr;89(4):747-57. doi: 10.2106/JBJS.E.01097.

Boileau P, Parratte S, Chuinard C, Roussanne Y, Shia D, Bicknell R. Arthroscopic treatment of isolated type II SLAP lesions: Biceps tenodesis as an alternative to reinsertion. *Am J Sports Med* 2009;37:929-936 (42/50 top most-cited)

## **Fractures of the Proximal Humerus**

Boileau P, Krishnan SG, Tinsi L, Walch G, Coste JS, Molé D. Tuberosity malposition and migration: reasons for poor outcomes after hemiarthroplasty for displaced fractures of the proximal humerus. *J Shoulder Elbow Surg*. 2002; 11(5): 401-412 (13/50 top most-cited, 2016)

Boileau P, Winter M, Cikes A, Han Y, Carles M, Walch G, Schwartz DG. Can surgeons predict what makes a good hemiarthroplasty for fracture? *J Shoulder Elbow Surg*. 2013 Nov;22(11):1495-506.

Boileau P, d'Ollonne T, Bessière C, Wilson A, Clavert P, Hatzidakis AM, Chelli M. Displaced humeral surgical neck fractures: classification and results of third-generation percutaneous intramedullary nailing. *J Shoulder Elbow Surg*. 2019 Feb;28(2):276-287.

Martinez-Catalan N, Boileau P. The Role of Intramedullary Nailing for Proximal Humerus Fractures: What Works and What Does Not. *Curr Rev Musculoskelet Med*. 2023 Feb;16(2):85-94. doi: 10.1007/s12178-022-09816-w.

Boileau P, Alta TD, Decroocq L, Sirveaux F, Clavert P, Favard L, Chelli M. Reverse shoulder arthroplasty for acute fractures in the elderly: is it worth reattaching the tuberosities? *J Shoulder Elbow Surg*. 2019 Mar;28(3):437-444.

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## **Fracture Sequelae**

Boileau P, Trojani C, Walch G, Krishnan SG, Romeo A, Sinnerton R. Shoulder arthroplasty for the treatment of the sequelae of fractures of the proximal humerus. *J Shoulder Elbow Surg.* 2001; 10(4): 299-308. (43/50 top most-cited, 2016)

Boileau P, Chuinard C, Le Huec JC, Walch G, Trojani C. Proximal humerus fracture sequelae: impact of a new radiographic classification on arthroplasty. *Clin Orthop Relat Res.* 2006 Jan;442:121-30. doi: 10.1097/01.blo.0000195679.87258.6e.PMID: 16394750

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### **Nice knot / Nice Loops**

Boileau P, Alami G, Rumian A, Schwartz DG, Trojani C, Seidl AJ. The Doubled-Suture Nice Knot. *Orthopedics.* 2017 Mar 1;40(2):e382-e386.