

Tornier Simpliciti[®]

Shoulder System

**Canal-sparing total
shoulder arthroplasty**



Tornier Simpliciti

Canal-sparing total shoulder arthroplasty



For patients with painful osteoarthritis or traumatic arthritis, Tornier Simpliciti offers:

Simplified anatomical alignment¹

Metaphyseal placement avoids humeral canal variables, increasing accuracy and reproducibility

Proven fixation²

Successfully completed IDE trial with zero signs of implant loosening, subsidence, or migration

True bone preservation¹

Canal sparing design provides maximal humeral preservation and early intervention options

Tornier Simpliciti addresses the variables to achieving desired outcomes

Variable	Traditional stemmed device	Tornier Simpliciti
Diaphyseal bone preservation	✗	✓
Simplified anatomic placement	✗	✓
Improved glenoid access	✓	✓
More efficient OR time – fewer surgical steps ²	✗	✓
Less blood loss ²	✗	✓
Potential for earlier intervention	✗	✓
Optionality to use anatomic or STB humeral heads	✓	✓

The results are in... age is just a number



Female taper makes glenoid visibility manageable

Tornier Simpliciti Shoulder System candidate²

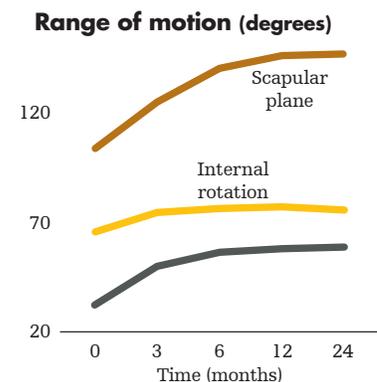
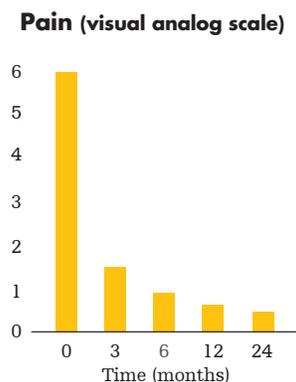
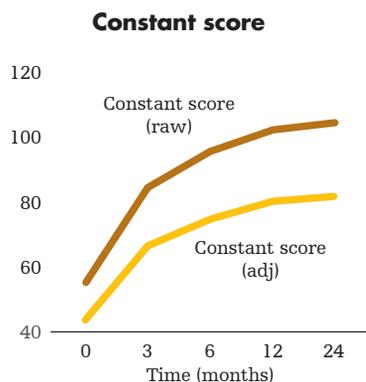
- Median age of Tornier Simpliciti FDA trial was 66 years old (37-84)
- Mean body mass index (BMI) of FDA IDE trial was 31kg/m²
- Any anatomic candidate with osteoarthritis or traumatic arthritis, and quality humeral bone to support implantation

Proven fixation²

- Evaluation completed by three independent musculoskeletal radiologists at multiple time points, up to two years postoperatively
- Results included zero instances of implant migration, subsidence, lucency, or osteolysis at any time point, up to two years postoperatively

Pain and function scores²

- Significant improvements ($p > 0.0001$) in constant, SST, ASES, and pain scores as well as range of motion and strength at 3, 6, 12, and 24 months postoperatively



Revision and explant summary²

	Surgery	2 wk	3 mo	6 mo	12 mo	24 mo
Tornier Simpliciti revision/explant (cumulative)	0	0	1 ^A	1	1	3 ^B

^A Infection (6 weeks)

^B Rotator cuff weakness (14 months) and aseptic glenoid loosening (18 months)



Low profile collar evenly distributes loads and resists subsidence while one-piece design eliminates risk of disassociation.



Highly porous coating designed to provide initial stability while allowing for bone ingrowth.



Tri-fin, press-fit design delivers rotational stability.



Osteotome slots work with specific removal instruments to minimize impact on bone during revision surgery.



Tornier Simpliciti

Canal-sparing total shoulder arthroplasty

Simplified approach^{1,3}

- **OR efficiencies** – reduction of surgical steps
- **Less time** – reduction of steps reduces OR time
- **Less blood loss** – reduction of steps may reduce blood loss

Demonstrated safe and effective in a clinical trial

- **No reported intraoperative complications**
- **No reported Tornier Simpliciti related revisions**
- **No reported instances of implant subsidence, lucency, migration or osteolysis**

Reclaimed lifestyle²

- **Greater than 85%** of patients reported no limitation to daily living at two years
- **Greater than 90%** of patients reported seldom to no sleep issues at six months
- **Statistically significant patient improvements** in constant scores, up to two years

Tornier Simpliciti surgical progression



1) Size



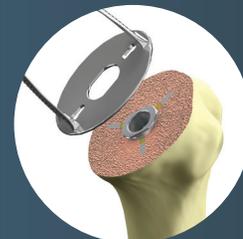
2) Plane



3) Drill



4) Blaze



5) Protect



6) Trial



7) Implant

References

- 1 Churchill R., Stemless shoulder arthroplasty: current status. *J Shoulder Elbow Surg* 2014;23:1409-14
- 2 Churchill R., Clinical and radiographic outcomes of the SIMPLICITI canal-sparing shoulder arthroplasty system: a prospective two-year multicenter study. *J Bone Joint Surg Am.* 2016;98:552-60
- 3 Berth A., Pap G. Stemless shoulder prosthesis versus conventional anatomic shoulder prosthesis in patients with osteoarthritis. *J Orthop Traumatol* 2013;14:31-7

This document is intended solely for the use of healthcare professionals. A surgeon must always rely on his or her own professional clinical judgment when deciding whether to use a particular product when treating a particular patient. Stryker does not dispense medical advice and recommends that surgeons be trained in the use of any particular product before using it in surgery.

The information presented is intended to demonstrate a Stryker product. A surgeon must always refer to the package insert, product label and/or instructions for use, including the instructions for cleaning and sterilization (if applicable), before using any Stryker product. Products may not be available in all markets because product availability is subject to the regulatory and/or medical practices in individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area.

Stryker Corporation or its divisions or other corporate affiliated entities own, use or have applied for the following trademarks or service marks: Simpliciti, Stryker, Tornier. All other trademarks are trademarks of their respective owners or holders.

Content ID: AP-015309B 04-Jan-2022

Copyright © 2022 Stryker

Manufacturer:

Tornier, Inc.
10801 Nesbitt Avenue South
Bloomington, MN 55437
t: 888 867 6437
t: 952 426 7600

Authorized representative:

Tornier SAS
161 Rue Lavoisier
38330 Montbonnot Saint Martin
France

stryker.com