Trabecular Metal™ Glenoid Implant

Inspired by Nature

Zimmer
Zimmer offers surgeons a glenoid component to hold the hope of enduring fixation. The high friction coefficient of *Trabecular Metal* Material plus strength and flexibility provide initial stability. *Trabecular Metal* Material’s osteoconductive properties support vascularization\(^1\) that allows for more normal bone formation and maintenance.

**Strength and stability designed to facilitate long-term survivorship**

Initial stability comparable to an all-polyethylene cemented glenoid

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**Stability test results** \(^2\)

Strength result was 3.5 times the test benchmark.\(^3\)

Finite element analysis shows that contact stresses...
Combines the proven heritage of the Bigliani/Flatow Shoulder System with the innovation of Trabecular Metal Material

Compatible with both Bigliani/Flatow and Trabecular Metal Humeral Stems and Heads

Variable conformity of glenoid articular surface:
- Reduces the likelihood of edge loading ("rocking horse" effect) and polyethylene wear
- Joint stability through range of motion

The variable-conformity articular surface "behaves similarly to the natural joint" and may "control rim loading under eccentric loads when compared with a conforming glenoid."\(^3\)

Biologic in-growth achieved through Trabecular Metal Material properties:
- Vascularization\(^1\)
- Osteoconductivity
- Promotion of more normal glenoid bone biology than bone cement

Trabecular Metal Material properties include up to 80% porosity and completely open pores that promote biologic ingrowth.
Strength and stability designed to facilitate long-term survivorship

Combines the proven heritage of the Bigliani/Flatow Shoulder System with the innovation of Trabecular Metal Material


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