

MEDICINE

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~~For~~ ~~c~~ementless total hip arthroplasty (THA), ~~can be performed using a large variety of~~ femoral components ~~with a large variety of~~ designs ~~have been developed~~. The Anatomic Fiber Metal ~~plus stem~~ (Zimmer) is ~~one of the an~~ anatomically designed femoral components ~~that to can be inserted implanted~~ without cement. ~~The concept of t~~This stem ~~was is designed~~ to achieve stable fixation ~~throughby~~ metaphyseal fit and fill. Its ~~has a~~ configuration match~~esing that of a the~~ medullary canal of a normal femur, and ~~circumferential the circumference of its fiber mesh coating on the proximal one-third is coated with fiber mesh~~. The neck of the stem has an anteversion of ~~twelve 12~~ degrees. The ~~press-fit and~~ outcomes of THA ~~performed~~ using ~~a press-fit femoral this stem were have been~~ reported to be good for ~~the~~ primary osteoarthritis in selected ~~Caucasian~~ patients; ~~h~~However, ~~there were a few reports are available~~ on the outcomes of ~~THA using this stem this procedure~~ in Japanese patients. ~~Since The majority of the most Japanese patients with hips with hip osteoarthritis are have dysplastic hips in Japanese patients. Therefore, the outcomes results of this procedure in Japanese patients might be different differ~~ from those in Caucasian patients.

~~Therefore, W~~we studied ~~the~~ outcomes of cementless ~~total hip arthroplasty (THA) performed~~ using the Anatomic Fiber Metal plus stem in Japanese patients and ~~examined the~~ possible effects of metaphyseal fit on ~~the~~ outcomes.

Comment [A1]: Please verify if these words should also be title cased.

Comment [A2]: Please include the location details of the manufacturer.

Comment [A3]: In scientific writing, the term "Caucasian" should preferably be restricted to people from the Caucasus region. Please check if you simply meant "white."

Source: [Fixation of an Anatomically Designed Cementless Stem in Total Hip Arthroplasty](#) by Shigeru Nakamura, Noriyuki Arai, Takateru Kobayashi, and Takashi Matsushita, used under [CC-BY](#)