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**Author:** David C. Holst, Charlie C. Yang **Publish Year:** 2018

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Primary **total hip arthroplasty** through a direct anterior **approach** using a bikini incision: surgical technique **The direct anterior approach** (DAA) to the **hip** has gained popularity with many potential early outcomes benefits for primary **total hip arthroplasty** (THA).

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**The direct anterior approach** to the **hip** joint enables the identification and ligation of the **lateral circumflex femoral artery**. However, the effect of **lateral circumflex femoral artery ligation** on blood flow to the muscles surrounding the **hip** remains unknown.

**Author:** Satoshi Ishii, Masatoshi Naito, Koichi ... **Publish Year:** 2019

## Anterior Primary Total Hip Arthroplasty | IntechOpen

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**Total hip arthroplasty** (THA) is the preferred treatment for end-stage osteoarthritis of the **hip**. The posterior, posterolateral, **direct lateral**, anterolateral, or the **anterior** approaches are the currently established surgical approaches for THA. Over the last decade, the **anterior approach** has gained increasing popularity. Its muscle-sparing nature and fluoroscopy-guided component positioning ...

**Name of Journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 50907

**Manuscript Type:** ORIGINAL ARTICLE

### *Clinical Trials Study*

**Dissection and ligation of the lateral circumflex femoral artery is not necessary when using the direct anterior approach for total hip arthroplasty**

Zhao GY *et al.* Unnecessary ligated the lateral circumflex femoral artery in direct anterior hip arthroplasty

Gong-Yin Zhao, Yu-Ji Wang, Nan-Wei Xu, Feng Liu

### **Abstract**

#### **BACKGROUND**

Branches of the lateral circumflex femoral artery stretch across the surgical field during a direct anterior total hip arthroplasty. It is an anatomical marker in direct anterior approach. As an important vessel around the hip joint, this

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<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4716569>

Jan 18, 2016 · Hip exposure. The head may be removed by performing a femoral neck cut and placing a corkscrew in the head, or by first excising a "napkin ring" section of the neck. Placement of a hip skid along the anterior acetabulum with a slightly distracted femoral head, via traction to the limb or instrumentation in the head,...

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Author: Asim M. Makhdom, Rahul Goel, Willi...    Publish Year: 2017

## Complications of the Direct Anterior Approach for Total ...

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Circumflex vessels. When these vessels are not properly identified and ligated, excessive bleeding