

PAPER NAME

dr. Riyan, Non-invasive surgical management of uterine fibroid- High Intensity Focused Ultrasound (H

WORD COUNT

378 Words

CHARACTER COUNT

2307 Characters

PAGE COUNT

1 Page

FILE SIZE

114.6KB

SUBMISSION DATE

Aug 14, 2023 3:27 PM GMT+7

REPORT DATE

Aug 14, 2023 3:27 PM GMT+7

● **20% Overall Similarity**

The combined total of all matches, including overlapping sources, for each database.

- 15% Internet database
- 20% Publications database
- Crossref database
- Crossref Posted Content database
- 4% Submitted Works database

● **Excluded from Similarity Report**

- Manually excluded sources

Non-invasive surgical management of uterine fibroid: High Intensity Focused Ultrasound (HIFU) Ablation

Riyan Hari Kurniawan¹, Relly Yanuari Primariawan², Indra Adi Susianto³, Rima Yulia Efriyanti⁴, Aries Joe⁵,
Christina Meilani Susanto⁶

¹Faculty of Medicine, Universitas Indonesia. Dr. Cipto Mangunkusumo National General Hospital, Jakarta, ²Faculty of Medicine, Universitas Airlangga. Dr. Sutomo General Hospital, Surabaya, ³Faculty of Medicine, Universitas Katolik Soegijapranata, Semarang, ⁴Bandung Kiwari General Hospital, ⁵Bunda General Hospital, Jakarta, ⁶Al Irsyad Hospital, Surabaya

Background: As a non-invasive treatment option, HIFU therapy is receiving more attention for its ability to induce coagulative necrosis at a precise focal point without harming overlying and adjacent structures. This study intended to review HIFU in uterine fibroid therapy, to evaluate the role of HIFU in the therapy as well as to review the actual clinical activities including its efficacy and safety.

Method: The analysis of literature was limited to journal articles written in English and published between 2000 and 2023 by using the keywords “HIFU” and “uterine fibroid”. Additional literature was obtained from original papers and published meeting abstracts.

Result: HIFU treatment for fibroids should be the first-line consideration if surgery is required. Indication for HIFU treatment: 1) Fibroids cause moderate or severe clinical symptoms; 2) Fibroids may lead to difficulty in patients to get pregnant; 3) Severe psychological burdens due to fibroids and their associated symptoms; 4) Young patients with multiple small fibroids may wish to consider therapy. Two major technical problems that HIFU cannot overcome at present: (a) Limitations due to fibroid locations; (b) Foreign objects in the acoustic pathway can make HIFU ablation a risky procedure. Many studies have confirmed its safety and effectiveness. The incidence of major complications is lower than other surgical treatment.

Discussion: HIFU therapy can be an effective therapy option for women with symptomatic uterine fibroids who desire organ-preserving treatment. It is important that clinicians recognize that not all fibroids are suitable for HIFU treatment. However, HIFU can also make some complications especially in women who have desire for future fertility.

Conclusion: HIFU is a non-invasive and highly effective standard treatment with a large indication range for all sizes of leiomyomas, associated with high efficacy, but an appropriate patient selection is an important factor in the successful outcome of HIFU treatment.

Keyword: *Non-invasive surgical management, HIFU ablation, uterine fibroid*

● 20% Overall Similarity

Top sources found in the following databases:

- 15% Internet database
- 20% Publications database
- Crossref database
- Crossref Posted Content database
- 4% Submitted Works database

TOP SOURCES

The sources with the highest number of matches within the submission. Overlapping sources will not be displayed.

1	deepdyve.com Internet	8%
2	Conny Tanjung, Peter Rzehak, Muchtaruddin Mansyur, Zakiudin Munas... Crossref	5%
3	Abbass, Mohamed Ahmed Mahmoud. "Real-Time Control of Ultrasoun... Publication	3%
4	F. Andrei Taran, Gina K. Hesley, Krzysztof R. Gorny, Elizabeth A. Stewar... Crossref	3%

● Excluded from Similarity Report

- Manually excluded sources

EXCLUDED SOURCES

ncbi.nlm.nih.gov	45%
Internet	
Felix Wong, Lian Zhang, Zhibiao Wang. "Focused Ultrasound Surgery in Gynec...	26%
Crossref	
Felix Wong, Lian Zhang, Zhibiao Wang. "Chapter 4 Uterine Fibroids and HIFU A...	26%
Crossref	
Hyun-Kyung Kim, Doa Kim, Min-Kyoung Lee, Chae-Rim Lee, So-Yeon Kang, Yo...	25%
Crossref	
ogscience.org	25%
Internet	
synapse.koreamed.org	25%
Internet	
ogscience.org	25%
Internet	
Kim, Hyun-Kyung, Doa Kim, Min-Kyoung Lee, Chae-Rim Lee, So-Yeon Kang, Yo...	25%
Crossref	
science.gov	21%
Internet	
cyberleninka.org	5%
Internet	

core.ac.uk 5%
Internet

epos.myesr.org 4%
Internet