

# Advances in Reproductive Sciences



ISSN: 2330-0744



9 772330 074006 05



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ISSN: 2330-0744 (Print) ISSN: 2330-0752 (Online)

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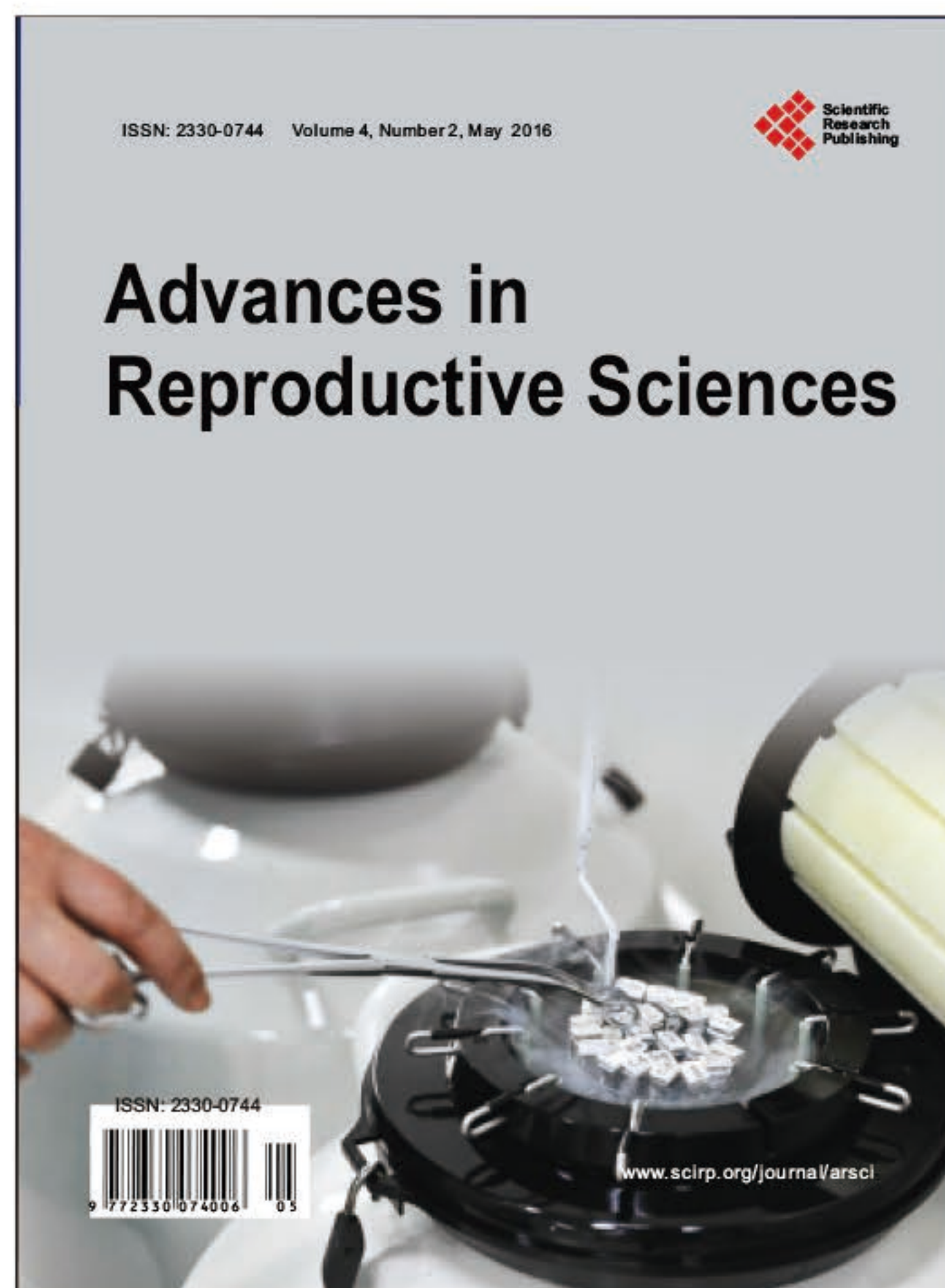
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# Advances in Reproductive Sciences

ISSN: 2330-0744 (Print) ISSN: 2330-0752 (Online)

<http://www.scirp.org/journal/arsci>

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# Nomogram of Follicle Stimulating Hormone Starting Dose Based on Antral Follicle Count, Third Day Follicle Stimulating Hormone Levels, and Age in Hasan Sadikin Hospital Bandung

Tono Djuwantono, Dian Tjahyadi, Mohammad Wahyu Ferdian

Department of Obstetrics and Gynecology, Hasan Sadikin Hospital, Faculty of Medicine, Universitas Padjadjaran, Bandung, Indonesia  
Email: [djuwantono@yahoo.com](mailto:djuwantono@yahoo.com)

Received 22 February 2016; accepted 23 May 2016; published 26 May 2016

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## Abstract

The main aspect of *in vitro* fertilization (IVF) cycle individualization is to offer every patient the best therapy adjusted to each individual characteristic. Usually, clinicians choose the FSH starting dose based on anamnesis and clinical criteria, the most important is the results of previous IVF. If there are no previous cycles, the criteria will be based on the patient's age, body mass index (BMI), and markers of ovarian reserve. The issue is whether an follicle stimulating hormone (FSH) starting dose nomogram based on antral follicle count (AFC) amount, third day FSH serum levels, and age are suitable to female patients who are going through IVF in Aster Clinic Hasan Sadikin Hospital Bandung. This study aims to create a nomogram based on AFC and age to calculate the correct FSH starting dose for IVF therapy in Aster Clinic Hasan Sadikin Hospital Bandung. The research type in this study is observational analytic with a retrospective cohort design, which is a type of research that study outcomes which are evaluated at certain time points. This type of research seeks to study the dynamic of relationships or correlations between risk factors with its impact or effects. Risk factors and impacts or effects are observed simultaneously, which means that the research subject is observed once and risk factors including effects are measured based on the situation or status at the time of observation. The result of this study is a nomogram designed based on AFC and age to calculate the correct FSH starting dose for IVF therapy. The nomogram will be used in Aster Clinic Hasan Sadikin Hospital Bandung.

**How to cite this paper:** Djuwantono, T., Tjahyadi, D. and Ferdian, M.W. (2016) Nomogram of Follicle Stimulating Hormone Starting Dose Based on Antral Follicle Count, Third Day Follicle Stimulating Hormone Levels, and Age in Hasan Sadikin Hospital Bandung. *Advances in Reproductive Sciences*, 4, 74-85. <http://dx.doi.org/10.4236/arsci.2016.42009>