

REVIEW - SUPPLEMENTARY MATERIAL

The effect of flavonoid and subclasses supplementation on prostate specific antigen (PSA), hormonal parameters and prostate cancer risk: A systematic review and meta-analysis of randomized controlled trials

Abdul Azis ^{1,2}, Andi Asadul Islam ^{2,3}, Haerani Rasyid ^{2,4}, Lukman Hakim ⁵, Syakib Bakri ^{2,4}, Agussalim Bukhari ^{2,6}, Andi Alfian Zainuddin ⁷

¹ Urology Division of Surgery Department, Faculty of Medicine, Hasanuddin University, Makassar, Indonesia;

² Hasanuddin University Teaching Hospital, Makassar, Indonesia;

³ Neurosurgery Division of Surgery Department, Faculty of Medicine, Hasanuddin University, Makassar, Indonesia;

⁴ Department of Internal Medicine, Faculty of Medicine, Hasanuddin University, Makassar, Indonesia;

⁵ Department of Urology, Faculty of Medicine, Airlangga University, Surabaya, Indonesia;

⁶ Department of Nutritional Sciences, Faculty of Medicine, Hasanuddin University, Makassar, Indonesia;

⁷ Department of Public Health and Community Medicine, Faculty of Medicine, Hasanuddin University, Makassar, Indonesia.

Supplementary Table 1.

Search Strategy and results details.

Search strategy worksheet

Search statement or topic

The Effect of Flavonoid and Subclasses Supplementation on Prostate Specific Antigen (PSA), Hormonal Parameters and Prostate Cancer Risk: A Systematic Review and Meta-Analysis of Randomized Controlled Trials

Major concepts

Identify the main concepts of your topic.

1. Participant

Prostate cancer (PCa) or classified as high-risk of PCa

2. Interventions

Rich-food or purified flavonoid and its subclasses

3. Outcome

-

Search strategy

Use the main concepts and translate these into keywords and synonyms (don't forget about " " and *).

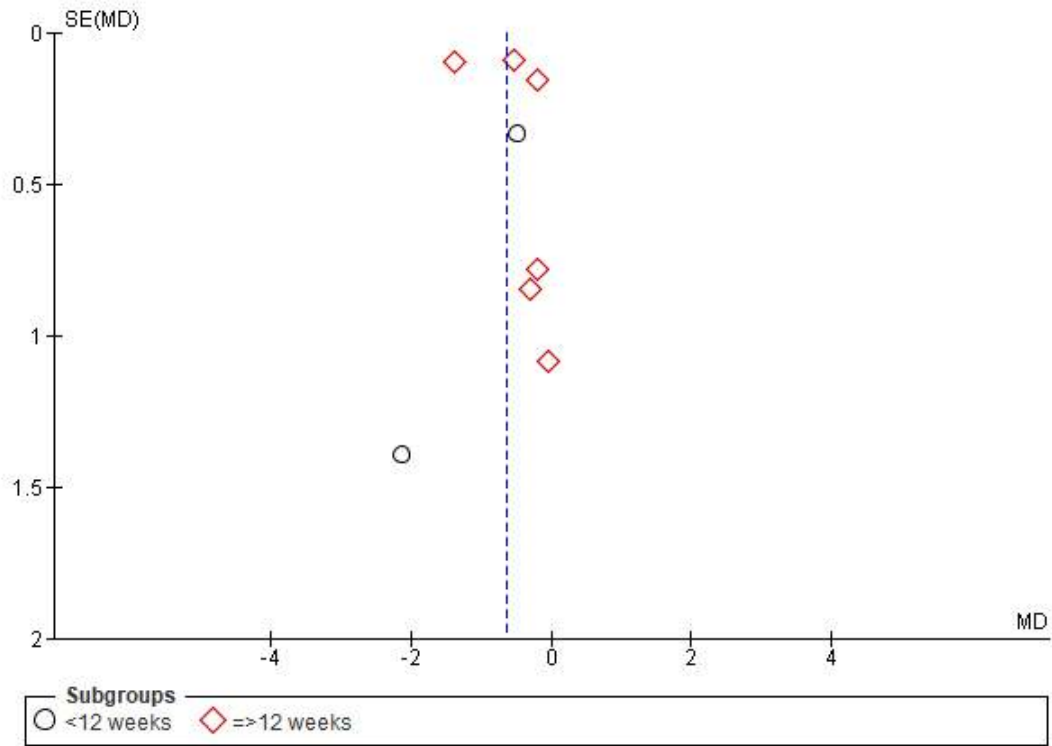
	Concept 1	AND	Concept 2	AND	Concept 3
	<i>Prostate Cancer</i>		<i>Flavonoids</i>		-
OR			<i>Flavonol</i>		
OR			<i>Flavone</i>		
OR			<i>Flavanone</i>		
OR			<i>Flavan-3-ol</i>		
OR			<i>Isoflavone</i>		
FILTER USED	No automatic filters are used				
RESULT	341 (Pubmed) + 500 (Science Direct) + 6 (Cochrane Library) + 330 Scopus				

Source: Riebling, A.M. (2002). *Learning to Learn*. New York NY: Neal-Schuman Publishers.

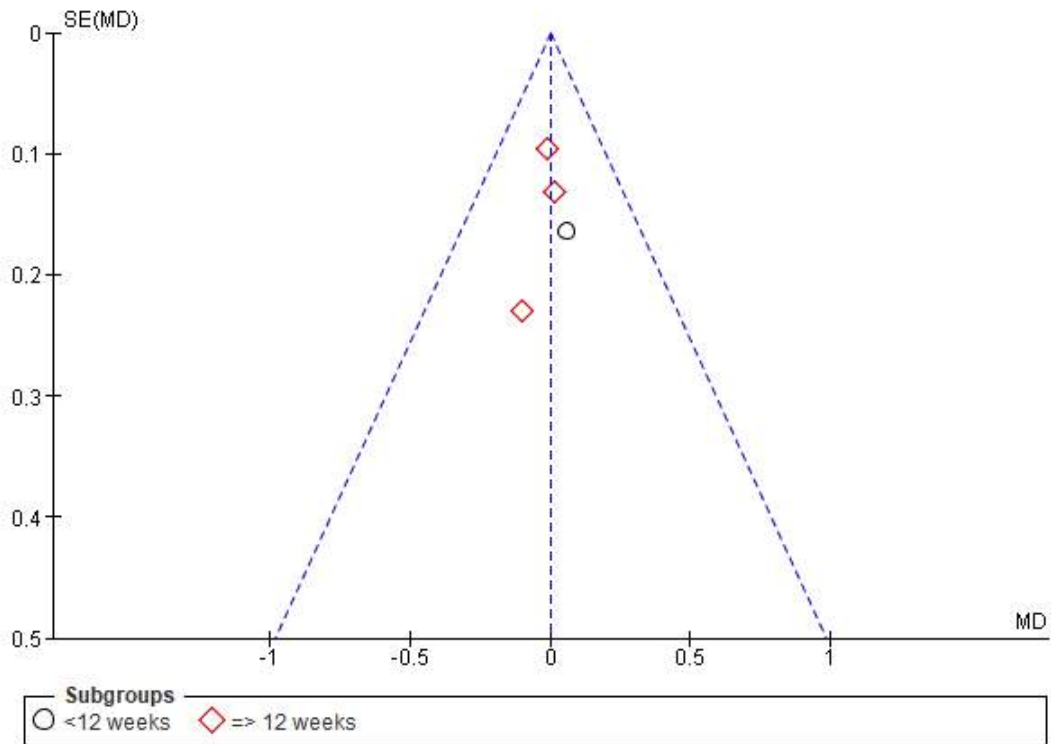
Supplementary Figure 1.

Funnel plots sub-group meta-analysis of PSA parameters.

A) Total PSA



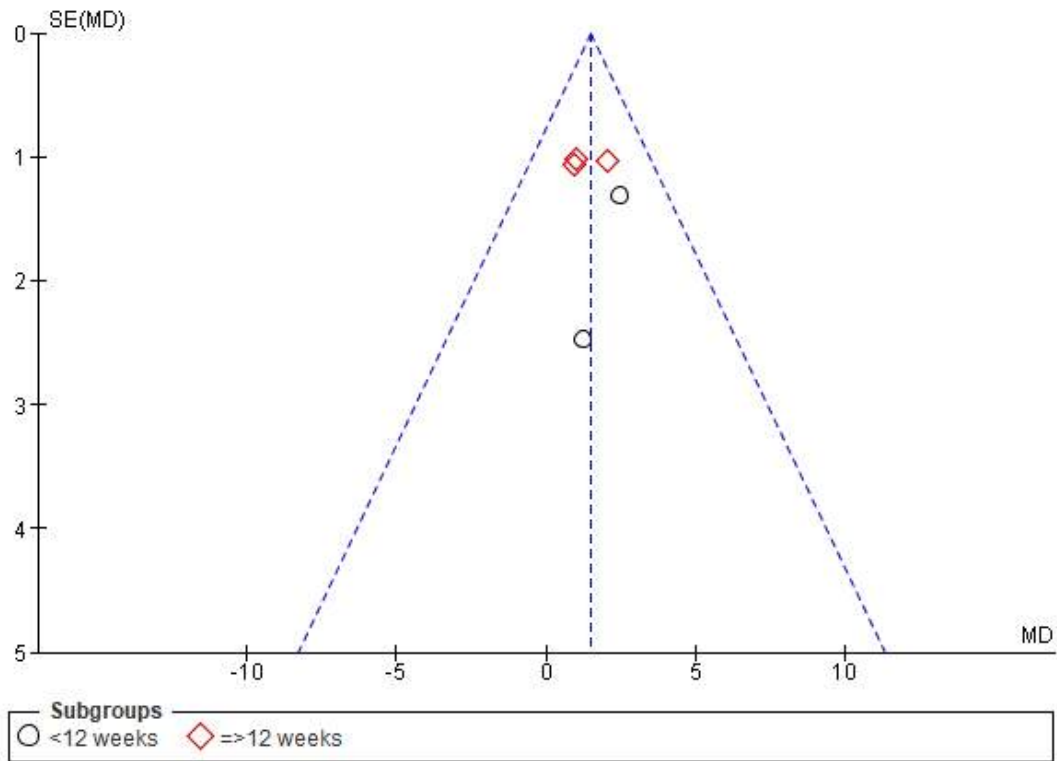
B) Free PSA



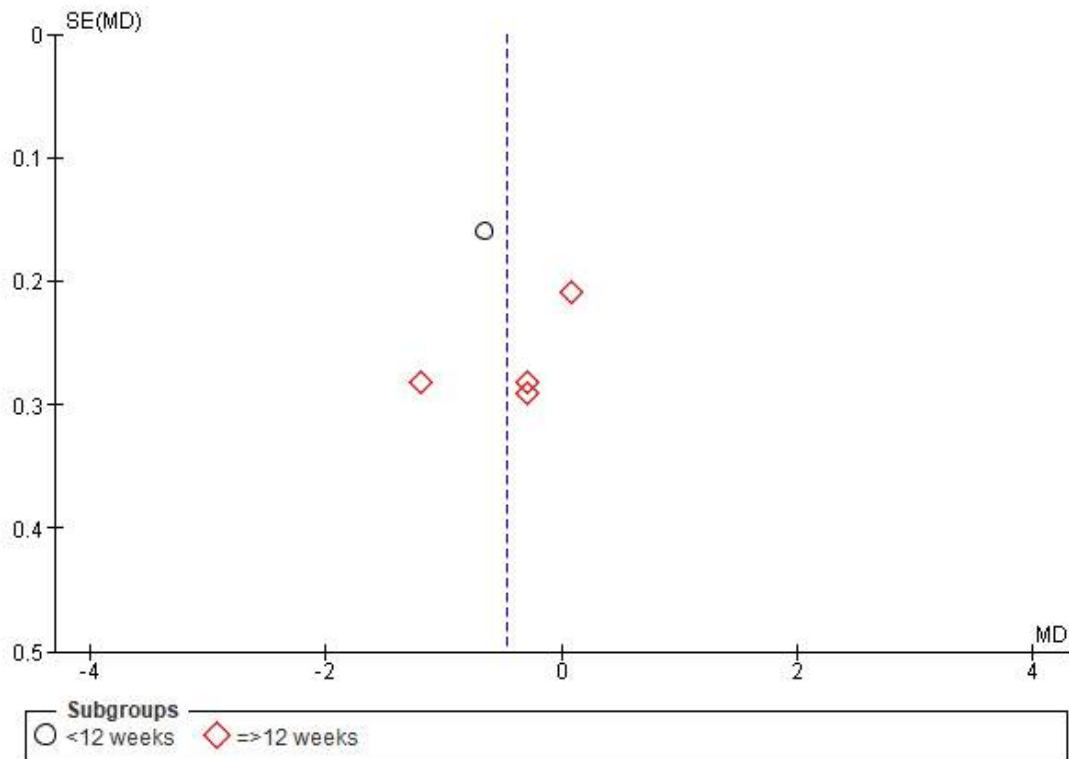
Supplementary Figure 2.

Funnel plots of meta-analysis of hormonal parameters

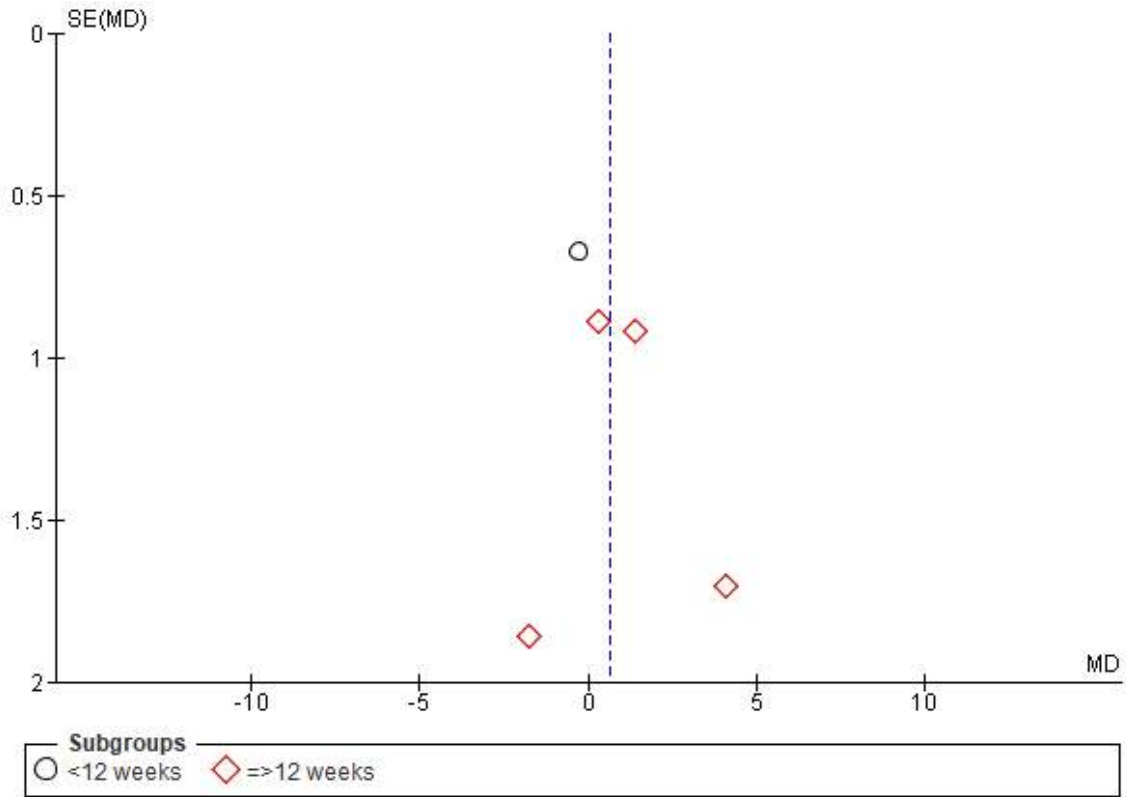
A) Total Testosterone



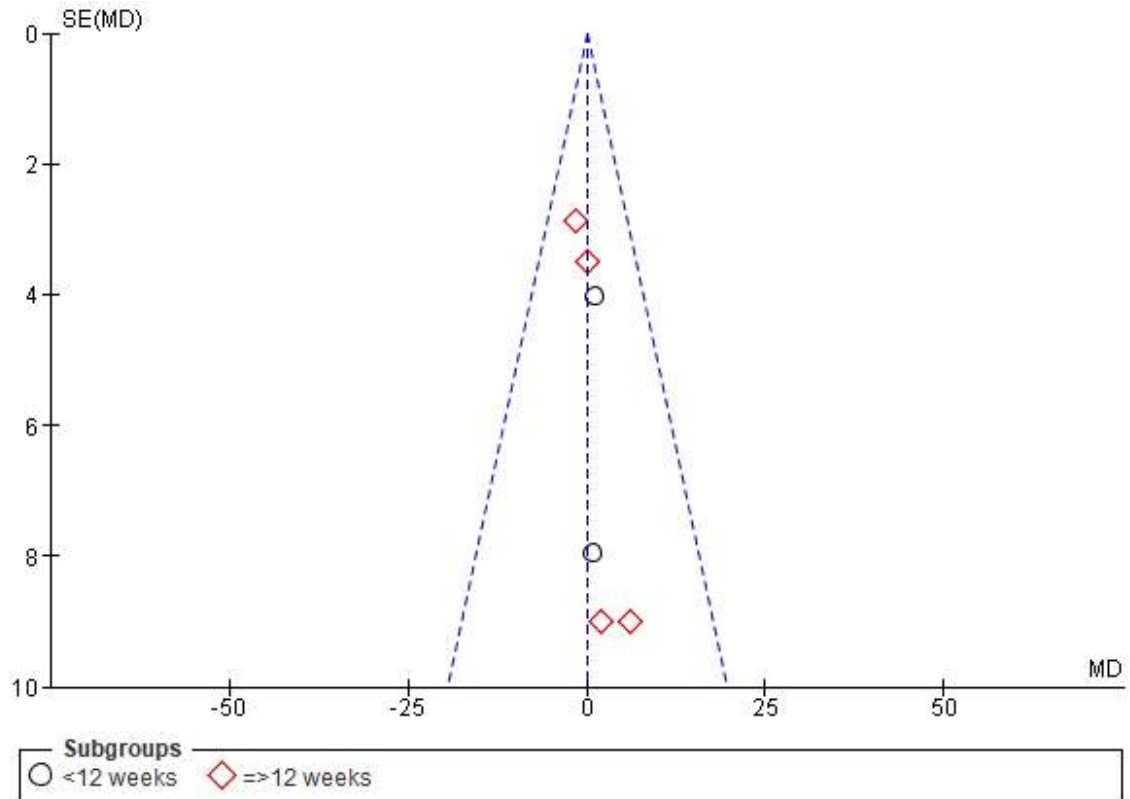
B) Free Testosterone



C) Total Estradiol



D) Sex Hormone Binding Globulin (SHBG)



Supplementary Figure 3.

Funnel plot of prostate cancer incidence endpoint.

