



IN THE NAME F GOD

Pessary in pregnancy

Dr.S.Yousofi

Perinatology department



- What is pessary?

Pessary is an intra vaginal device that may work altering the axis of cervical canal and displacing the weight of uterine contents away from cervix

- Is pessary effective in prevention of preterm birth?

We don't know?



About



Sections



Review



Open Access



Cervical pessaries for prevention of spontaneous preterm birth: past, present and future

B. Arabin , Z. Alfirevic

First published: 14 June 2013

<https://doi.org/10.1002/uog.12540>

Citations: 12



Design a pessary to prevent SPTB

- At first pessary was using in genital prolapse
- 1959 Cross described his experience using a Ring pessary in pregnancy
- 1970 Hans Arabin designed cone –shaped pessary made of flexible silicon



About



Sections



(a)

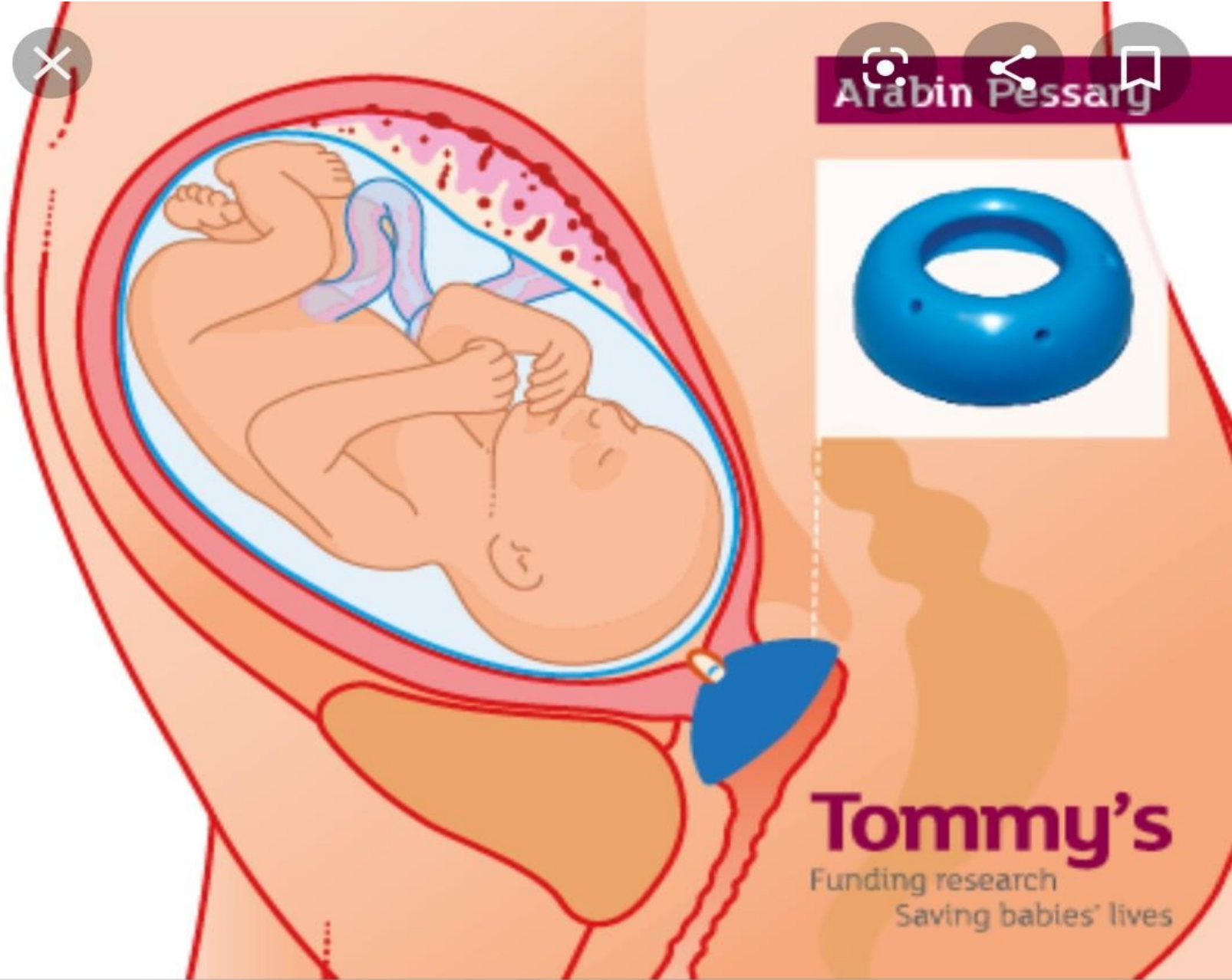


(b)

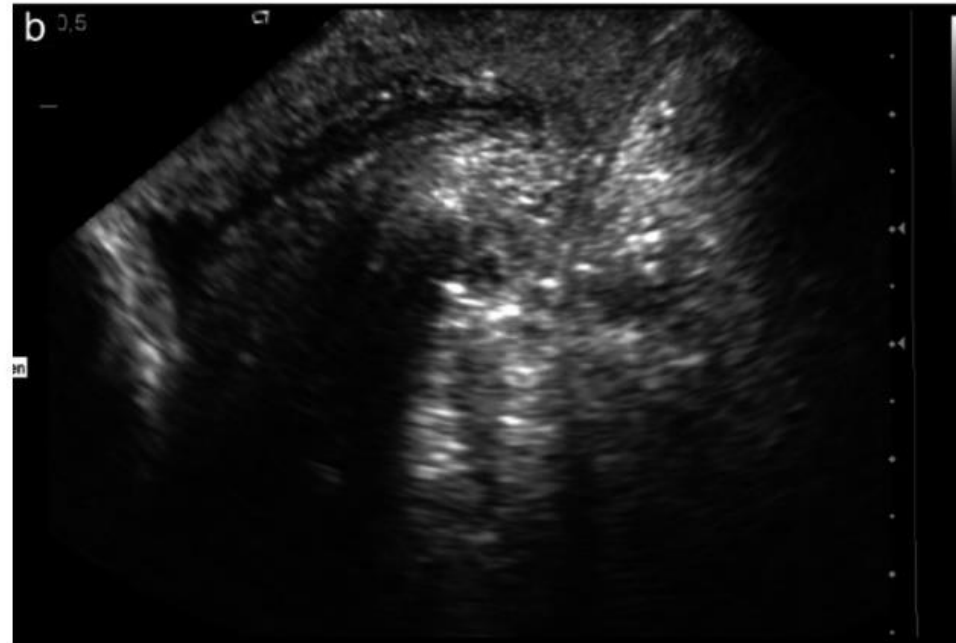
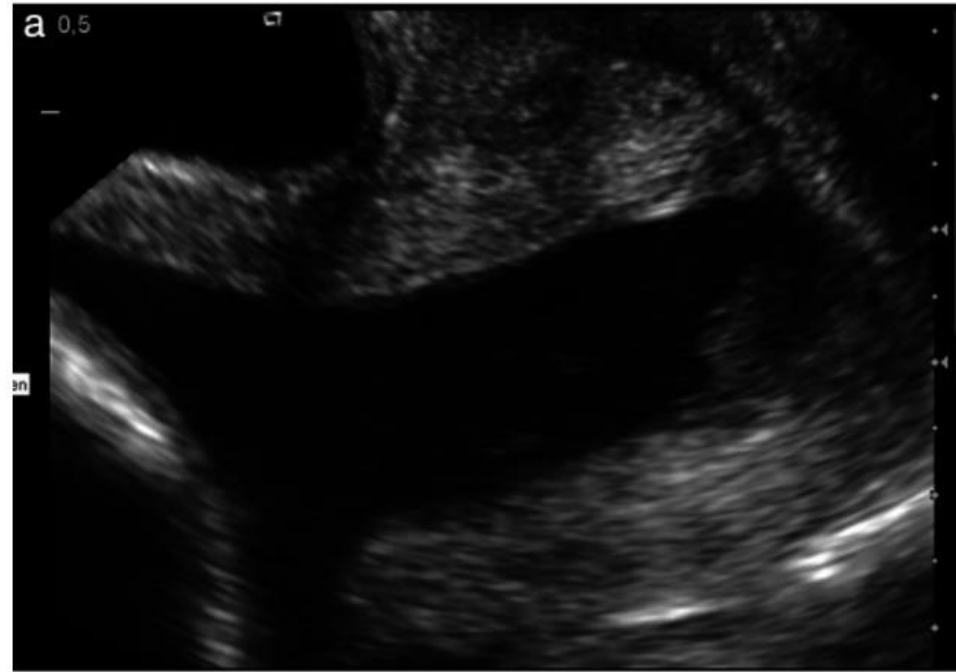


PD

Help



Tommy's
Funding research
Saving babies' lives





- Pessary doesn't need anesthesia
- Easy to insert
- No significant risk
- Increases vaginal discharge



THE LANCET

Log in



ARTICLES | VOLUME 379, ISSUE 9828, P1800-1806, MAY 12, 2012

Cervical neoplasia in pregnant women



The NEW ENGLAND
JOURNAL of MEDICINE



ORIGINAL ARTICLE

A Randomized Trial of a Cervical Pessary to Prevent Preterm Singleton Birth

Kypros H. Nicolaides, M.D., Argyro Syngelaki,
Ph.D., Liona C. Poon, M.D., Gemma Picciarelli,
M.D., et
al.

March 17, 2016

N Engl J Med 2016; 374:1044-1052

DOI: 10.1056/NEJMoa1511014



Journal of Ultrasound in Medicine / Volume 36, Issue 8

Original Research

 Free Access

Cervical Pessary for Preventing Preterm Birth in Singleton Pregnancies With Short Cervical Length: A Systematic Review and Meta-analysis

Gabriele Saccone MD, Andrea Ciardulli,
Serena Xodo MD, Lorraine Dugoff MD, Jack Ludmir MD,
Giorgio Pagani MD, Silvia Visentin MD,
Salvatore Gizzo MD, Nicola Volpe MD,
Giuseppe Maria Maruotti MD, Giuseppe Rizzo MD,
Pasquale Martinelli MD, Vincenzo Berghella MD 

First published: 11 April 2017

<https://doi.org/10.7863/ultra.16.08054>

Citations: 23



2020

Effect of Cervical Pessary on Spontaneous Preterm Birth in Women With Singleton Pregnancies and Short Cervical Length



JAMA

[View Article ▶](#)

JAMA. 2017 Dec 19; 318(23): 2317–2324.

PMCID: PMC5820698

Published online 2017 Dec 19.

PMID: [29260226](#)

doi: 10.1001/jama.2017.18956: 10.1001/jama.2017.18956

Effect of Cervical Pessary on Spontaneous Preterm Birth in Women With Singleton Pregnancies and Short Cervical Length

A Randomized Clinical Trial

[Gabriele Saccone](#), MD,^{✉1} [Giuseppe Maria Maruotti](#), MD,¹ [Antonia Giudicepietro](#), MD,¹ and [Pasquale Martinelli](#), MD¹, for the Italian Preterm Birth Prevention (IPP) Working Group

¹Department of Neuroscience, Reproductive Sciences and Dentistry, School of Medicine, University of Naples Federico II, Naples, Italy

[✉]Corresponding author.

[Article Information](#)



The Journal of Maternal-Fetal & Neonatal Medicine



Cervical pessary for preventing preterm birth in twin pregnancies with short cervical length: a systematic review and meta-analysis

Gabriele Saccone MD, Andrea Ciardulli, Serena Xodo MD, Lorraine Dugoff MD, Jack Ludmir MD, Francesco D'Antonio MD, PhD, Simona Boito MD, Elena Olearo MD, Carmela Votino MD, Giuseppe Maria Maruotti MD, Giuseppe Rizzo MD, Pasquale Martinelli MD & Vincenzo Berghella MD

To cite this article: Gabriele Saccone MD, Andrea Ciardulli, Serena Xodo MD, Lorraine Dugoff MD, Jack Ludmir MD, Francesco D'Antonio MD, PhD, Simona Boito MD, Elena Olearo MD, Carmela Votino MD, Giuseppe Maria Maruotti MD, Giuseppe Rizzo MD, Pasquale Martinelli MD & Vincenzo Berghella MD (2016): Cervical pessary for preventing preterm birth in twin pregnancies with short cervical length: a systematic review and meta-analysis, The Journal of Maternal-Fetal & Neonatal Medicine, DOI: [10.1080/14767058.2016.1268595](https://doi.org/10.1080/14767058.2016.1268595)

To link to this article: <http://dx.doi.org/10.1080/14767058.2016.1268595>



American Journal of Obstetrics and Gynecology

Volume 221, Issue 1, July 2019, Pages 55.e1-55.e14

Original Research

Obstetrics

Cervical pessary for preventing preterm birth in twin pregnancies with maternal short cervix after an episode of threatened preterm labor: randomised controlled trial

Carme Merced MD ^a ... PECEP-RETARD Trial Group

[⊞ Show more](#)

<https://doi.org/10.1016/j.ajog.2019.02.035>

[Get rights and content](#)



Key messages

- More studies must be done
- In singleton pregnancy with no history of SPTB may be beneficial
- In twin pregnancy with short cervix after one episode of threatened PLP may be useful