



Development of a medical education podcast in obstetrics and gynecology
La production d'une baladodiffusion éducative en obstétrique et gynécologie

Kristin A Black, Lindsay Drummond, Venu Jain and Margaret Sagle

Volume 12, Number 2, 2021

URI: <https://id.erudit.org/iderudit/1077201ar>
DOI: <https://doi.org/10.36834/cmej.71139>

[See table of contents](#)

Publisher(s)

Canadian Medical Education Journal

ISSN

1923-1202 (digital)

[Explore this journal](#)

Cite this document

Black, K., Drummond, L., Jain, V. & Sagle, M. (2021). Development of a medical education podcast in obstetrics and gynecology. *Canadian Medical Education Journal / Revue canadienne de l'éducation médicale*, 12(2), e103–e105.
<https://doi.org/10.36834/cmej.71139>

Article abstract

Implication Statement: Podcasts are used in medical education to supplement conventional teaching methods such as lectures and reading. We identified a lack of Canadian medical education podcasts covering obstetrics and gynecology (Ob/Gyn) content and created a podcast specific for Canadian medical students and residents. The podcast called "OB-G in YEG" is freely available and currently has fourteen episodes that cover common topics in Ob/Gyn. We describe the process for creating a high-quality medical education resource that is widely accessible to learners that readers may be able to replicate in their own discipline.

© Kristin A Black, Lindsay Drummond, Venu Jain, Margaret Sagle, 2021



This document is protected by copyright law. Use of the services of Érudit (including reproduction) is subject to its terms and conditions, which can be viewed online.

<https://apropos.erudit.org/en/users/policy-on-use/>

Development of a medical education podcast in obstetrics and gynecology

La production d'une baladodiffusion éducative en obstétrique et gynécologie

Kristin A Black,¹ Lindsay Drummond,¹ Venu Jain,¹ Margaret Sagle¹

¹Department of Obstetrics and Gynecology, Faculty of Medicine and Dentistry, University of Alberta, Alberta, Canada

Correspondence to: Kristin A. Black, MD, 5S131 Lois Hole Hospital for Women, Robbins Pavilion, Royal Alexandra Hospital 10240 Kingsway Avenue Edmonton, Alberta. T5H 3V9; Phone: 306-380-2088; Fax: 780-735-4981; email: kblack1@ualberta.ca

Published ahead of issue: February 1, 2021; published April 30, 2021. CMEJ 2021, 12(2) Available at <http://www.cmej.ca>

© 2021 Black, Drummond, Jain, Sagle; licensee Synergies Partners

<https://doi.org/10.36834/cmej.71139>. This is an Open Journal Systems article distributed under the terms of the Creative Commons Attribution License. (<https://creativecommons.org/licenses/by-nc-nd/4.0>) which permits unrestricted use, distribution, and reproduction in any medium, provided the original work is cited.

Implication Statement

Podcasts are used in medical education to supplement conventional teaching methods such as lectures and reading. We identified a lack of Canadian medical education podcasts covering obstetrics and gynecology (Ob/Gyn) content and created a podcast specific for Canadian medical students and residents. The podcast called "OB-G in YEG" is freely available and currently has fourteen episodes that cover common topics in Ob/Gyn. We describe the process for creating a high-quality medical education resource that is widely accessible to learners that readers may be able to replicate in their own discipline.

Énoncé des implications de la recherche

Les baladodiffusions sont utilisées dans l'éducation médicale en complément aux méthodes d'enseignement traditionnelles comme les cours magistraux et la lecture de textes. Ayant constaté un manque de baladodiffusions d'enseignement dans les domaines de l'obstétrique et de la gynécologie (OB/GY) au Canada, nous avons créé une telle émission destinée aux étudiants et aux résidents en médecine de ce pays. La baladodiffusion, intitulée « OB-G in YEG », est disponible gratuitement et elle comporte actuellement onze épisodes sur des sujets d'intérêt général touchant à l'obstétrique et à la gynécologie. Nous décrivons le processus de création d'une ressource d'enseignement médical de qualité, qui est largement accessible aux apprenants et que les lecteurs seraient peut-être en mesure de reproduire dans leur propre discipline.

Introduction

Podcasts are audio recordings that users can access online that cover a wide variety of topics. The term "podcast" was first used in 2004, and their use has become increasingly popular worldwide.¹ A 2019 survey demonstrated that approximately 11 million Canadians have listened to a podcast in the past year.² Podcasts can be accessed in a versatile manner; people can listen to podcasts while at home, doing chores, and commuting. Podcasts are an effective learning tool in medical education. Studies

demonstrate that students who listened to a medical podcast performed better on tests.³ Surveys suggest that podcasts do not replace conventional teaching methods such as lectures and reading, but rather are a supplementary learning tool.⁴ The uptake of educational podcasts is high in many areas of medicine; however, it is unclear what educational podcasts are available for learners in obstetrics and gynecology (Ob/Gyn). The purpose of this project was to determine the availability of medical education podcasts in Ob/Gyn and to create a podcast specifically designed for Canadian learners.

Innovation

Podcast review

We performed a search of podcast hosting platforms to identify available podcasts in Ob/Gyn in 2018 and updated in 2020. Titles and descriptions of podcasts were screened to identify relevant podcasts, and we listened to individual episodes to identify podcasts intended for medical learners. Eight podcasts were included in the review (Table 1) and all covered general Ob/Gyn topics such as forceps, preterm birth and contraception. Three podcasts reported references used to create content, most commonly American guidelines or studies. Publication dates were analyzed, and only two podcasts had released new episodes in the past year. We identified a lack of Canadian content for learners in Ob/Gyn and sought to create a medical education podcast to fill this gap.

Podcast creation

We developed a podcast called “OB-G in YEG” and released the first episode in January 2020. Ob/Gyn residents and medical students at our university were invited to participate in creating podcast episodes with the support of a staff physician or senior resident. Episodes reference guidelines from the Society of Obstetricians and Gynaecologists of Canada. Podcast episodes were created by selecting a topic from a list of potential topics (e.g. pelvic pain, ectopic pregnancy, vaginal discharge), developing a podcast script, recording episodes, and uploading to the platform. The podcast is published monthly and freely accessible on podcast hosting sites and the show’s webpage.⁵ Key indicators for the quality of medical education podcasts include credibility, high-quality accurate content, and functional design.⁶ These quality indicators were considered in the design of OB-G in YEG by ensuring transparency in authorship, using evidence-based resources, and using technology that is open access. As of January 2021, there are fourteen episodes available, with 2975-episode downloads.

Table 1. Description of included teaching podcasts that target learners including medical students and/or residents. All podcasts are publicly available on common podcast hosting platforms

Podcast	Country	Number of Episodes	Dates Active (N = months)	Publication Frequency	Length of Episodes (min)
Obstetrics - The Running Obstetrician	USA	9	Oct 2014 – Jan 2015 (4)	Weekly	4 – 7
The OB/Gyn Podcast	USA	61	Sep 2016 – Dec 2019 (29)	Monthly	8 – 74
UNC - OB-GYN Clinic Notes	USA	9	Oct 2016 – Jul 2017 (10)	Quarterly	5 – 16
OBGYN 101 - Gray Haired Notes	USA	15	Jan 2009 – Mar 2010 (15)	Random	5 – 18
Pimped Ob/Gyn	USA	19	Oct 2017 – Aug 2018 (11)	Random	10 – 29
Dr. Katie Smith: OBGYN and Faculty Development	USA	13	Oct 2015 – May 2016 (8)	Monthly	9 – 26
Obstetrics and Gynaecology Emergencies UCD	Ireland	38	Jun 2016 – Mar 2017 (10)	Random	1 – 5
CREOGs over Coffee	USA	87	Dec 2018 – May 2020 (17)	Weekly	6 - 37

Next Steps

We describe a process for creating a high-quality medical education resource that is accessible to learners. Medical educators interested in podcast creation should consider identifying available podcasts using the review methodology described. We are currently undertaking a prospective study to evaluate the effectiveness of the podcast on understanding and knowledge retention. OB-G in YEG will continue to cover relevant topics in Ob/Gyn.

Conflict of Interest: The authors have no conflicts of interest to declare

Funding: none

References

1. Cho D, Cosimini M, Espinoza J. Podcasting in medical education: a review of the literature. *Korean J Med Educ* 2017;29(4):229–39. <https://doi.org/10.3946/kjme.2017.69>
2. Vidler J, Ulster J. The Canadian podcast listener 2019 summary report [Internet]; 2019. Available from <https://www.canadianpodcastlistener.ca> [accessed 10 Apr 2020].
3. Alla A, Kirkman MA. PodMedPlus: an online podcast resource for junior doctors. *Med Educ*. 2014;48(11):1126–7. <https://doi.org/10.1111/medu.12556>
4. Prakash SS, Muthuraman N, Anand R. Short-duration podcasts as a supplementary learning tool: Perceptions of medical students and impact on assessment performance. *BMC Med Educ*. 2017;17(1):167. <https://doi.org/10.1186/s12909-017-1001-5>
5. OB-G in YEG [Internet]. <https://obginyeg.libsyn.com> [accessed September 10, 2020].
6. Lin M, Thoma B, Trueger NS, Ankel F, Sherbino J, Chan T. Quality indicators for blogs and podcasts used in medical education: Modified Delphi consensus recommendations by an international cohort of health professions educators. *Postgrad Med J* 2015;91(1080):546-50. <https://doi.org/10.1136/postgradmedi-2014-133230>