



دانشکده پرستاری و مامایی تبریز

طرح دوره (course plan)

مهر ۱۳۹۶

(برای یک دوره درس کامل، ۲۴ جلسه دو ساعتی برای یک درس دو واحدی)

مقطع و رشته تحصیلی: PhD مامایی

گروه آموزشی: مامایی

دانشکده پرستاری و مامایی تبریز

نوع واحد: نظری- عملی

تعداد واحد: ۲

نام درس: **روش تحقیق پیشرفته در بالین**

پیش نیاز/همزمان: آمار حیاتی پیشرفته

مکان برگزاری: کلاس دکترا

زمان برگزاری کلاس: روزهای دوشنبه و سهشنبه ساعت: ۱۶-۱۴

مسئول درس: دکتر سکینه محمدعلیزاده

تعداد دانشجویان: ۴

مدرسین: دکتر سکینه محمدعلیزاده و دکتر مژگان میرغفوروند

هدف کلی:

فراهم سازی فرصت‌های یادگیری در جهت کسب مهارت در کاربرد روش علمی پژوهش و نگارش یک طرح پژوهش
مقدماتی و کاربرد اصول و روش نقد و بررسی طرح‌های پژوهشی

اهداف بینابینی:

۱. شناخت انواع مطالعات (با تاکید بر مطالعات توصیفی و مطالعات مقطعی، مورد شاهدی، همگروهی و مداخله‌ای،
کیفی و ترکیبی)
۲. شناخت انواع متغیرها روشهای نمونه‌گیری تصادفی و غیرتصادفی، روشهای ابزار گردآوری داده‌ها و روایی و
پایایی ابزارهای تحقیقاتی و روشهای تجزیه و تحلیل داده‌ها
۳. شناخت اصول اخلاق در پژوهش
۴. شناخت اصول مدیریت پژوهش
۵. بررسی و نقد پروتکلهای منتشر شده

شیوه‌های تدریس

* یادگیری مبتنی بر حل مساله (PBL) * پرسش و پاسخ * سخنرانی *

وظایف و تکالیف دانشجو (لطفا شرح دهید)

قبل از هر جلسه دانشجو موظف است متون مشخص شده را مطالعه نموده و آمادگی لازم را جهت شرکت در جلسات پرسش و پاسخ و حل مسائل مطرح شده داشته باشد (کلیه منابع مربوطه به همراه طرح کامل درسی در جلسه اول در اختیار دانشجویان گذاشته می‌شود). در هر جلسه دانشجو باید آمادگی لازم جهت کوئیز مربوط به دروس تدریس شده در جلسات قبلی را داشته باشد. یک پروپوزال تحقیقاتی را آماده نموده و در پژوهان ثبت نماید.

وسایل کمک آموزشی:

وایت برد * تخته و گج * پروژکتور اسلاید *

نحوه ارزشیابی و درصد نمره : (از نمره کل)

شرکت فعال در کلاس ۱۰ درصد نمره کوئیز در برخی جلسات کلاسی (بدون اطلاع قبلی) ۱۰ درصد نمره

آزمون میان ترم ۱۵ درصد نمره آزمون پایان ترم ۳۵ درصد نمره

انجام تکالیف از جمله نگارش و ثبت پروپوزال ۳۰ درصد نمره

نوع آزمون

پاسخ کوتاه * تشریحی *

نگارش یک پروپوزال تحقیقاتی با رعایت دقیق اصول ریفرنس نویسی با استفاده از نرم افزار Endnote (با حداقل ۲۵ ریفرنس) و ثبت آن در پژوهان

فهرست منابع:

1. Chan AW, Tetzlaff JM, Gotzsche PC, Altman DG, Mann H, Berlin JA, et al. SPIRIT 2013 explanation and elaboration: guidance for protocols of clinical trials. *BMJ*. 2013;346:e7586. doi: 10.1136/bmj.e7586. PubMed PMID: 23303884; PubMed Central PMCID: PMC3541470.
2. Moher D, Hopewell S, Schulz KF, Montori V, Gotzsche PC, Devereaux PJ, et al. CONSORT 2010 explanation and elaboration: updated guidelines for reporting parallel group randomised trials. *BMJ*. 2010;340:c869. doi: 10.1136/bmj.c869. PubMed PMID: 20332511; PubMed Central PMCID: PMC2844943.
3. Vandebroucke JP, von Elm E, Altman DG, Gotzsche PC, Mulrow CD, Pocock SJ, et al. Strengthening the Reporting of Observational Studies in Epidemiology (STROBE): explanation and elaboration. *PLoS medicine*. 2007;4(10):e297. doi: 10.1371/journal.pmed.0040297. PubMed PMID: 17941715; PubMed Central PMCID: PMC2020496.
4. ICMJE. Recommendations for the Conduct, Reporting, Editing, and Publication of Scholarly Work in Medical Journals 2017 [updated August]. Available from: <http://www.icmje.org/recommendations/>.

5. Higgins JPT, Altman DG, Sterne JAC. Chapter 8: Assessing risk of bias in included studies. In: Higgins JPT, Churchill R, Chandler J, Cumpston M.S. (editors), editors. Cochrane Handbook for Systematic Reviews of Interventions version 520 (updated June 2017). Cochrane: <http://training.cochrane.org/handbook>; 2017.
6. Fathalla MF, Fathalla MMF. A practical guide for health researchers: World Health Organization; 2004.
7. World Health Organization / International Development Research Centre. Designing and conducting health systems research projects , Volume 1: Proposal development and fieldwork. Amsterdam: KIT Publishers and the International Development Research Centre (IDRC); 2003
8. McDonald JA, Burnett N, Coronado VG, Johnson RL. Reproductive Health Epidemiology Series- Module 4- Questionnaire Design. Atlanta, Georgia: Department of health and human services, Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Division of Reproductive Health; 2003.
9. Teresa Siniscalco M, Auriat N. Module 8- Questionnaire design: International Institute for Educational Planning/UNESCO; 2005.
10. Glossary of terms in the Cochrane collaboration, Version 4.2.5, 2005.
11. Glossary of terms in health research. A practical guide for health researchers, 2004, PP: 216-226.
12. JAMA evidence Glossary. Available at:
http://www.jamaevidence.com/JAMAEvidence_Glossary_Final.pdf Accessed 2/6/2012.
13. Sedgwick P, Hoope C. Placebo controlled trials. BMJ. 2014;348:g1635. doi: 10.1136/bmj.g1635. PubMed PMID: 24563452.
14. Sedgwick P. What is an open label trial? BMJ. 2014;348:g3434. doi: 10.1136/bmj.g3434. PubMed PMID: 24859904.
15. Sedgwick P, Hooper C. What are randomised consent designs? BMJ. 2014;349:g4727. doi: 10.1136/bmj.g4727. PubMed PMID: 25063074.
16. Sedgwick P. What is a non-randomised controlled trial? BMJ. 2014;348:g4115. doi: 10.1136/bmj.g4115. PubMed PMID: 24951505.
17. Sedgwick P. What is a crossover trial? BMJ. 2014;348:g3191. doi: 10.1136/bmj.g3191. PubMed PMID: 25134118.
18. Sedgwick P. Open label crossover trials 2013 2013-06-28 10:54:12.
19. Sedgwick P. What is a factorial study design? BMJ. 2014;349:g5455. doi: 10.1136/bmj.g5455. PubMed PMID: 25193939.
20. Sedgwick P. Randomised controlled trials: balance in baseline characteristics. BMJ. 2014;349:g5721. doi: 10.1136/bmj.g5721. PubMed PMID: 25238747.
21. Sedgwick P. Double dummy trials incorporating factorial designs 2013 2013-05-31 10:27:10.
22. Sedgwick P. What is a superiority trial? 2013 2013-09-09 12:38:03.
23. Sedgwick P. Equivalence trials 2013 2013-01-11 12:00:11.
24. Sedgwick P. What is a non-inferiority trial? 2013 2013-11-15 11:31:07.
25. Sedgwick P. What are the four phases of clinical research trials? BMJ. 2014;348:g3727. doi: 10.1136/bmj.g3727. PubMed PMID: 24906716.
26. Sedgwick P. Before and after study designs. BMJ. 2014;349:g5074. doi: 10.1136/bmj.g5074. PubMed PMID: 25106742.
27. Sedgwick P. Case-control studies: measures of risk 2013 2013-02-22 11:29:28.

28. Sedgwick P. Treatment effects and placebo effects. *BMJ*. 2015;350:h267. doi: 10.1136/bmj.h267. PubMed PMID: 25596585.
29. Sedgwick P, Hooper C. Placebos and sham treatments. *BMJ*. 2015;351:h3755. doi: 10.1136/bmj.h3755. PubMed PMID: 26162858.
30. Sedgwick P. Explanatory trials versus pragmatic trials. *BMJ*. 2014;349:g6694. doi: 10.1136/bmj.g6694. PubMed PMID: 25395503.
31. Sedgwick P. Intention to treat analysis versus per protocol analysis of trial data. *BMJ*. 2015;350:h681. doi: 10.1136/bmj.h681. PubMed PMID: 25663096.
32. Sedgwick P. What is intention to treat analysis? 2013 2013-06-07 11:23:05.
33. Sedgwick P. What is per protocol analysis? 2013 2013-06-14 11:03:42.
34. Sedgwick P. Per protocol analysis. *BMJ*. 2010;340:c1825. doi: 10.1136/bmj.c1825. PubMed PMID: 20375086.
35. Sedgwick P, Joekes K. What are the risks? *BMJ*. 2015;350:h2931. doi: 10.1136/bmj.h2931. PubMed PMID: 26037334.
36. Sedgwick P. What are the odds? *BMJ*. 2015;350:h2327. doi: 10.1136/bmj.h2327. PubMed PMID: 25934660.
37. Sedgwick P. Odds and odds ratios 2013 2013-08-16 10:40:24.
38. Sedgwick P. Relative risks versus odds ratios. *BMJ*. 2014;348. doi: 10.1136/bmj.g1407.
39. Sedgwick P. What is number needed to treat (NNT)? 2013 2013-07-24 10:22:56.
40. Sedgwick P. Measuring the benefit of treatment: number needed to treat. *BMJ*. 2015;350:h2206. doi: 10.1136/bmj.h2206. PubMed PMID: 25918350.
41. Sedgwick P. Measuring the detriment of treatment: number needed to harm. *BMJ*. 2015;350:h2763. doi: 10.1136/bmj.h2763. PubMed PMID: 26002193.
42. Sedgwick P. Convenience sampling 2013 2013-10-25 10:37:50.
43. Sedgwick P. Treatment allocation in trials: stratified randomisation. *BMJ*. 2015;350:h978. doi: 10.1136/bmj.h978. PubMed PMID: 25722098.
44. Sedgwick P. Treatment allocation by minimisation 2013 2013-11-01 11:36:26.
45. Sedgwick P. Stratified cluster sampling 2013 2013-11-22 12:25:54.
46. Sedgwick P. Multistage sampling. *BMJ*. 2015;351:h4155. doi: 10.1136/bmj.h4155. PubMed PMID: 26231184.
47. Sedgwick P. Snowball sampling 2013 2013-12-20 12:23:51.
48. Sedgwick P, Greenwood N. Understanding the Hawthorne effect. *BMJ*. 2015;351:h4672. doi: 10.1136/bmj.h4672. PubMed PMID: 26341898.
49. Sedgwick P. Bias in experimental study designs: randomised controlled trials with parallel groups. *BMJ*. 2015;351:h3869. doi: 10.1136/bmj.h3869. PubMed PMID: 26187730.
50. Sedgwick P. Bias in randomised controlled trials: comparison of crossover group and parallel group designs. *BMJ*. 2015;351:h4283. doi: 10.1136/bmj.h4283. PubMed PMID: 26253465.
51. Sedgwick P. Controlled trials: allocation concealment, random allocation, and blinding. *BMJ*. 2015;350:h2633. doi: 10.1136/bmj.h2633. PubMed PMID: 25979365.
52. Sedgwick P. Clinical trials: outcome measures. *BMJ*. 2015;350:h121. doi: 10.1136/bmj.h121. PubMed PMID: 25583733.

53. Sedgwick P. Randomised controlled trials: understanding effect sizes. *BMJ*. 2015;350:h1690. doi: 10.1136/bmj.h1690. PubMed PMID: 25820302.
54. Sedgwick P. Quantifying treatment effects in randomised controlled trials. *BMJ*. 2015;350:h420. doi: 10.1136/bmj.h420. PubMed PMID: 25616422.
55. Sedgwick P. Standard deviation or the standard error of the mean. *BMJ*. 2015;350:h831. doi: 10.1136/bmj.h831. PubMed PMID: 25691433.
56. Sedgwick P. What is significance? *BMJ*. 2015;350:h3475. doi: 10.1136/bmj.h3475. PubMed PMID: 26116134.
57. Sedgwick P. Understanding P values. *BMJ*. 2014;349:g4550. doi: 10.1136/bmj.g4550. PubMed PMID: 25015369.
58. Sedgwick P. Understanding confidence intervals. *BMJ*. 2014;349:g6051. doi: 10.1136/bmj.g6051. PubMed PMID: 25293946.
59. Sedgwick P. Confidence intervals, P values, and statistical significance. *BMJ*. 2015;350:h1113. doi: 10.1136/bmj.h1113. PubMed PMID: 25724837.
60. Sedgwick P. Uncertainty in sample estimates: standard error. *BMJ*. 2015;350:h3078. doi: 10.1136/bmj.h3078. PubMed PMID: 26058594.
61. Sedgwick P. Randomised controlled trials: understanding power. *BMJ*. 2015;350:h3229. doi: 10.1136/bmj.h3229. PubMed PMID: 26088536.
62. Sedgwick P. Units of sampling, observation, and analysis. *BMJ*. 2015;351:h5396. doi: 10.1136/bmj.h5396. PubMed PMID: 26453018.
63. Sedgwick P. Clinical trials: units of randomisation. *BMJ*. 2014;348:g3297. doi: 10.1136/bmj.g3297. PubMed PMID: 24838104.
64. Sedgwick P. Unit of observation versus unit of analysis. *BMJ*. 2014;348:g3840. doi: 10.1136/bmj.g3840. PubMed PMID: 24927764.
65. Sedgwick P. Pitfalls of statistical hypothesis testing: type I and type II errors. *BMJ*. 2014;349:g4287. doi: 10.1136/bmj.g4287. PubMed PMID: 24994622.
66. Sedgwick P. Understanding why "absence of evidence is not evidence of absence". *BMJ*. 2014;349:g4751. doi: 10.1136/bmj.g4751. PubMed PMID: 25085689.
67. Sedgwick P. Pitfalls of statistical hypothesis testing: multiple testing. *BMJ*. 2014;349:g5310. doi: 10.1136/bmj.g5310. PubMed PMID: 25172184.
68. Sedgwick P. Multiple hypothesis testing and Bonferroni's correction. *BMJ*. 2014;349:g6284. doi: 10.1136/bmj.g6284. PubMed PMID: 25331533.
69. Sedgwick P. Randomised controlled trials: tests of interaction. *BMJ*. 2014;349:g6820. doi: 10.1136/bmj.g6820. PubMed PMID: 25398492.
70. Sedgwick P. One way analysis of variance: post hoc testing. *BMJ*. 2014;349:g7067. doi: 10.1136/bmj.g7067. PubMed PMID: 25416414.
71. Sedgwick P. Spearman's rank correlation coefficient. *BMJ*. 2014;349:g7327. doi: 10.1136/bmj.g7327. PubMed PMID: 25432873.
72. Sedgwick P. Randomised controlled trials: subgroup analyses. *BMJ*. 2014;349:g7513. doi: 10.1136/bmj.g7513. PubMed PMID: 25500585.
73. Marston L, Sedgwick P. Randomised controlled trials: missing data. *BMJ*. 2014;349:g4656. doi: 10.1136/bmj.g4656. PubMed PMID: 25038075.
74. Sedgwick P. What is the standard error of the mean? 2013 2013-01-29 16:46:11.

75. Sedgwick P. Sample size: how many participants are needed in a trial? *BMJ*. 2013;346:f1041. doi: 10.1136/bmj.f1041. PubMed PMID: 23418280.
76. Sedgwick P. Sample size: how many participants are needed in a cohort study? *BMJ*. 2014;349:g6557. doi: 10.1136/bmj.g6557. PubMed PMID: 25361576.
77. Sedgwick P. Sample size and power. *BMJ*. 2011;343. doi: 10.1136/bmj.d5579.
78. Siniscalco TM, and Auriat N. Quantitative research methods in educational planning. UNESCO International Institute for Educational Planning. 2005. Available from: <http://www.unesco.org/iiep>
79. National Academy of Sciences. On Being a Scientist: A Guide to Responsible Conduct in Research: Third Edition. Washington: The national Academies Press, DC 20001
80. Say L. Case-control studies. Training Course in Sexual and Reproductive Health Research. Geneva 2013. WHO/RHR
81. Evans I, Thornton H, Chalmers I and Glasziou P. Testing Treatments: Better Research for Better Healthcare. Second edition. London: Pinter & Martin Ltd, 2011.
82. Gurwitz JH, Sykora K, Mamdani M, Streiner DL, Garfinkel S, Normand SLT, Anderson GM, Rochon PL. Reader's guide to critical appraisal of cohort studies: 1. Role and design. *BMJ* 2015; 330(16).
83. Cochrane Handbook for Systematic Reviews of Interventions v.4.2. <http://www.cochrane.org/resources/handbook/index.htm>.
84. Clinical research methods. www.springer.com; last edition
85. Basic principles of clinical research and methodology; last edition
86. Clinical trial methodology-crc press, www.crcpress.com; last edition.
87. Creswell J, Clark V. Designing and conducting mixed methods research. Second edition, Los Angles: Sage Pubns; 2011.
88. Hsieh HF., Shannon SE. Three approach to qualitative content analysis. *Qualitative Health Research*. 2005, 15(9), 1277-88.
89. Streubert HJ, Carpenter DR. Qualitative research in nursing: advancing the humanistic imperative. Fifth edition, Philadelphia: Wolters Kluwer/Lippincott Williams & Wilkins; 2011.

نمونه پروتوكلهای منتشر شده در ژورنالهای معتبر (امکان انتخاب هر پروتوكل دیگری از ژورنالهای معتبر وجود دارد، پروتوكل انتخابی بهتر است مرتبط با موضوع پروپوزال دانشجو)

1. Gulmezoglu AM, Widmer M, Merialdi M, Qureshi Z, Piaggio G, Elbourne D, et al. Active management of the third stage of labour without controlled cord traction: a randomized non-inferiority controlled trial. *Reproductive health*. 2009;6:2. Epub 2009/01/22. doi: 10.1186/1742-4755-6-2. PubMed PMID: 19154621; PubMed Central PMCID: PMCPmc2647525.
2. van Beekhuizen HJ, Pembe AB, Fauteck H, Lotgering FK. Treatment of retained placenta with misoprostol: a randomised controlled trial in a low-resource setting (Tanzania). *BMC Pregnancy Childbirth*. 2009;9:48. doi: 10.1186/1471-2393-9-48. PubMed PMID: 19852814; PubMed Central PMCID: PMC2770987.
3. Groom KM, McCowan LM, Stone PR, Chamley LC, McLintock C. Enoxaparin for the prevention of preeclampsia and intrauterine growth restriction in women with a prior history - an open-label randomised trial (the EPPI trial): study protocol. *BMC Pregnancy Childbirth*. 2016;16(1):367. Epub 2016/11/24. doi: 10.1186/s12884-016-1162-y. PubMed PMID: 27876004; PubMed Central PMCID: PMCPmc5120461.
4. Passini R, Jr., Tedesco RP, Marba ST, Cecatti JG, Guinsburg R, Martinez FE, et al. 2 Brazilian multicenter study on prevalence of preterm birth and associated factors. *BMC Pregnancy Childbirth*. 2010;10:22. doi: 10.1186/1471-2393-10-22. PubMed PMID: 20482822; PubMed Central PMCID: PMC2889846.
5. Roberts CL, Morris JM, Rickard KR, Giles WB, Simpson JM, Kotsiou G, et al. Protocol for a randomised controlled trial of treatment of asymptomatic candidiasis for the prevention of preterm birth

- [ACTRN12610000607077]. *BMC Pregnancy Childbirth*. 2011;11:19. doi: 10.1186/1471-2393-11-19. PubMed PMID: 21396091; PubMed Central PMCID: PMC3061957.
- 6. Dodd JM, Crowther CA, Haslam RR, Robinson JS. Timing of birth for women with a twin pregnancy at term: a randomised controlled trial. *BMC Pregnancy Childbirth*. 2010;10:68. doi: 10.1186/1471-2393-10-68. PubMed PMID: 20973989; PubMed Central PMCID: PMC2978123.
 - 7. Melo I, Katz L, Coutinho I, Amorim MM. Selective episiotomy vs. implementation of a non episiotomy protocol: a randomized clinical trial. *Reproductive health*. 2014;11:66. doi: 10.1186/1742-4755-11-66. PubMed PMID: 25124938; PubMed Central PMCID: PMC4142063.
 - 8. Fenwick J, Gamble J, Creedy DK, Buist A, Turkstra E, Sneddon A, et al. Study protocol for reducing childbirth fear: a midwife-led psycho-education intervention. *BMC Pregnancy Childbirth*. 2013;13(1):190. doi: 10.1186/1471-2393-13-190. PubMed PMID: 24139191; PubMed Central PMCID: PMC3854500.
 - 9. Chan AW, Tetzlaff JM, Gotzsche PC, Altman DG, Mann H, Berlin JA, et al. SPIRIT 2013 explanation and elaboration: guidance for protocols of clinical trials. *BMJ*. 2013;346:e7586. doi: 10.1136/bmj.e7586. PubMed PMID: 23303884; PubMed Central PMCID: PMC3541470.
 - 10. Naja F, Nasreddine L, Al Thani AA, Yunis K, Clinton M, Nassar A, et al. Study protocol: Mother and Infant Nutritional Assessment (MINA) cohort study in Qatar and Lebanon. *BMC Pregnancy Childbirth*. 2016;16:98. doi: 10.1186/s12884-016-0864-5. PubMed PMID: 27146913; PubMed Central PMCID: PMC4855720.
 - 11. Crowther CA, Hague WM, Middleton PF, Baghurst PA, McPhee AJ, Tran TS, et al. 23 The IDEAL study: investigation of dietary advice and lifestyle for women with borderline gestational diabetes: a randomised controlled trial - study protocol. *BMC Pregnancy Childbirth*. 2012;12:106. doi: 10.1186/1471-2393-12-106. PubMed PMID: 23046499; PubMed Central PMCID: PMC3506505.
 - 12. Widyawati W, Jans S, Bor H, Siswihanto R, van Dillen J, Lagro-Janssen AL. A randomised controlled trial on the Four Pillars Approach in managing pregnant women with anaemia in Yogyakarta-Indonesia: a study protocol. *BMC Pregnancy Childbirth*. 2014;14:163. doi: 10.1186/1471-2393-14-163. PubMed PMID: 24884497; PubMed Central PMCID: PMC4018617.
 - 13. Ten Eikelder ML, Neervoort F, Oude Rengerink K, Jozwiak M, de Leeuw JW, de Graaf I, et al. 21 Induction of labour with a Foley catheter or oral misoprostol at term: the PROBAAT-II study, a multicentre randomised controlled trial. *BMC Pregnancy Childbirth*. 2013;13:67. doi: 10.1186/1471-2393-13-67. PubMed PMID: 23506128; PubMed Central PMCID: PMC3610263.
 - 14. Mozurkewich E, Chilimigras J, Klemens C, Keeton K, Allbaugh L, Hamilton S, et al. 9 The mothers, Omega-3 and mental health study. *BMC Pregnancy Childbirth*. 2011;11:46. doi: 10.1186/1471-2393-11-46. PubMed PMID: 21696635; PubMed Central PMCID: PMC3146889.
 - 15. McLachlan HL, Forster DA, Davey MA, Lumley J, Farrell T, Oats J, et al. 1 COSMOS: COmparing Standard Maternity care with one-to-one midwifery support: a randomised controlled trial. *BMC Pregnancy Childbirth*. 2008;8:35. doi: 10.1186/1471-2393-8-35. PubMed PMID: 18680606; PubMed Central PMCID: PMC2526977.
 - 16. Langenveld J, Broekhuijsen K, van Baaren GJ, van Pampus MG, van Kaam AH, Groen H, et al. 10 Induction of labour versus expectant monitoring for gestational hypertension or mild pre-eclampsia between 34 and 37 weeks' gestation (HYPITAT-II): a multicentre, open-label randomised controlled trial. *BMC Pregnancy Childbirth*. 2011;11:50. doi: 10.1186/1471-2393-11-50. PubMed PMID: 21736705; PubMed Central PMCID: PMC3161905.
 - 17. Heatley E, Middleton P, Hague W, Crowther C. 15 The DIAMIND study: postpartum SMS reminders to women who have had gestational diabetes mellitus to test for type 2 diabetes: a randomised controlled trial - study protocol. *BMC Pregnancy Childbirth*. 2013;13:92. doi: 10.1186/1471-2393-13-92. PubMed PMID: 23587090; PubMed Central PMCID: PMC3626874.
 - 18. Jelsma JG, van Poppel MN, Galjaard S, Desoye G, Corcoy R, Devlieger R, et al. 12 DALI: Vitamin D and lifestyle intervention for gestational diabetes mellitus (GDM) prevention: an European multicentre, randomised trial - study protocol. *BMC Pregnancy Childbirth*. 2013;13:142. doi: 10.1186/1471-2393-13-142. PubMed PMID: 23829946; PubMed Central PMCID: PMC3710199.