

BÖLÜM 21

Doğum bakımında (maternity care) uygulama bilimi

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Giriş

Başlangıcından bu yana “kanıta dayalı sağlık hizmeti”, sağlık sistemleri içinde sağlanan tedaviler ve bakım için bilimsel bir gerekçe sağlamaya çalışmıştır (Haynes, 2006). Bu yaklaşıma, meta-analizler ve randomize kontrollü araştırmalarla sonuçlanan geleneksel bir kanıt hiyerarşisi görüşü rehberlik etmiştir (Evans, 2003). Bununla birlikte, sağlık kurumları ve pratisyenleri (uygulayıcıları) tarafından rutin olarak ifade edilen kanıt dayalı sağlık hizmetlerine neredeyse tam saygı gösterilmesine rağmen, sağlık hizmetlerinde izlenen birçok uygulama ve prosedür, gerçek kanıt tabanından yoksundur veya aktif olarak buna aykırıdır (Lau, Stevenson, Ong vd. 2014). Bazen bunun nedeni, kanıtların henüz mevcut olmaması ve araştırmacıların henüz belirli uygulamalar hakkında soru sormaması ve/veya yanıtlamamasıdır. Bununla birlikte, kanıtın mevcut olduğu yerlerde bile, uygulama genellikle ilgili araştırma bulgularına doğrudan aykırıdır.

Uygulama bilimi, “*linik, örgütsel veya politika bağlamlarında rutin sağlık hizmetlerine araştırma bulgularının alınmasını teşvik etmek için yöntemlerin bilimsel çalışması*” yoluyla bu kanıtları uygulama boşluğunu ele almayı amaçlar (Eccles, Foy, Sales, Wensing ve Mittman, 2012). Uygulama bilimi çalışmaları birçok yönden klinik araştırmalardan farklıdır (Şekil 1). Bir araştırma kanıtının hasta bakımını doğrudan etkilemesi 17 yıl kadar sürebilir (Morris, Wooding ve Grant, 2011). Kanıt-dönüşüm boşluğu, bireylerden, kurumlardan ve/veya toplumdan kaynaklanabilecek birbiriyle ilişkili çok sayıda faktörden etkilenir. Uygulama bilim adamları, kanıt dayalı müdahalelerin, araçların, politikaların ve kılavuzların benimsenmesi, uyarlanması, entegrasyonu, büyütülmesi ve sürdürülebilirliğinin önündeki engelleri belirlemek, anlamak ve aşmak için yenilikçi yaklaşımlar geliştirmeyi amaçlar (Brownson, Colditz ve Proctor, 2012). Bu bölüm, bir örnek olarak ebe liderliğinde sürekli bakım (modeli) (ELSBM) örneğini kullanarak, bu yaklaşımlardan bazılarını pratik bir kılavuz sağlayacaktır.

Kaynaklar

- Abou-Malham, S., Hatem, M., & Leduc, N. (2015). Analyzing barriers and facilitators to the implementation of an action plan to strengthen the midwifery professional role: a Moroccan case study. *BMC health services research*, *15*(1), 382. Amelink-Verburg, M. P., & Buitendijk, S. E. (2010). Pregnancy and Labour in the Dutch Maternity Care System: What Is Normal? The Role Division Between Midwives and Obstetricians. *The Journal of Midwifery & Women's Health*, *55*(3), 216-225. doi:10.1016/j.jmwh.2010.01.001
- Ashton, T. (2015). Implementing integrated models of care: the importance of the macro-level context. *Int J Integr Care*, *15*, e019.
- Benoit, C., Wrede, S., Bourgeault, I., Sandall, J., Vries, R. D., & Teijlingen, E. R. v. (2005). Understanding the social organisation of maternity care systems: midwifery as a touchstone. *Sociology of Health & Illness*, *27*(6), 722-737. doi:10.1111/j.1467-9566.2005.00471.x
- Birken, S. A., Powell, B. J., Presseau, J., Kirk, M. A., Lorençatto, F., Gould, N. J., . . . Yu, Y. (2017). Combined use of the Consolidated Framework for Implementation Research (CFIR) and the Theoretical Domains Framework (TDF): a systematic review. *Implementation Science*, *12*(1), 2.
- Birthplace in England Collaborative, G., Brocklehurst, P., Hardy, P., Hollowell, J., Linsell, L., Macfarlane, A., . . . Stewart, M. (2011). Perinatal and maternal outcomes by planned place of birth for healthy women with low risk pregnancies: the Birthplace in England national prospective cohort study. *BMJ*, *343*, d7400. doi:10.1136/bmj.d7400
- Blix, E. (2013). The admission CTG: is there any evidence for still using the test? *Acta obstetricia et gynecologica Scandinavica*, *92*(6), 613-619.
- Brownson, R. C., Colditz, G. A., & Proctor, E. K. (2012). *Dissemination and implementation research in health: translating science to practice*: Oxford University Press.
- Burau, V., & Overgaard, C. (2015). Caseload midwifery as organisational change: the interplay between professional and organisational projects in Denmark. *BMC Pregnancy & Childbirth*, *15*(1), 1.
- Cane, J., O'Connor, D., & Michie, S. (2012). Validation of the theoretical domains framework for use in behaviour change and implementation research. *Implement Sci*, *7*, 37. doi:10.1186/1748-5908-7-37
- Clar, C., Campbell, S., Lisa, D., & Wendy, G. (2011). What are the effects of interventions to improve the uptake of evidence from health research into policy in low and middle-income countries. *Systematic review*(pp. 107pp): *University of Aberdeen (UoA)*.
- Collins, C. T., Fereday, J., Pincombe, J., Oster, C., & Turnbull, D. (2010). An evaluation of the satisfaction of midwives' working in midwifery group practice. *Midwifery*, *26*(4), 435-441. doi:10.1016/j.midw.2008.09.004
- Craig, P., Dieppe, P., Macintyre, S., Michie, S., Nazareth, I., & Petticrew, M. (2008). Developing and evaluating complex interventions: the new Medical Research Council guidance. *BMJ*, *337*, a1655.
- Damschroder, L. J., Aron, D. C., Keith, R. E., Kirsh, S. R., Alexander, J. A., & Lowery, J. C. (2009). Fostering implementation of health services research findings into practice: a consolidated framework for advancing implementation science. *Implement Sci*, *4*, 50. Damschroder, L.J., Aron, D.C., Keith, R.E., Kirsh, S.R., Alexander, J.A. and Lowery, J.C., 2009. Fostering implementation of health services research findings into practice: a consolidated framework for advancing implementation science. *Implementation science*, *4*(1), p.50.
- Dawson, K., McLachlan, H., Newton, M., & Forster, D. (2016). Implementing caseload midwifery: Exploring the views of maternity managers in Australia – A national cross-sectional survey. *Women and Birth*, *29*(3), 214-222. doi:http://dx.doi.org/10.1016/j.wombi.2015.10.010
- Dawson, K., Newton, M., Forster, D., & McLachlan, H. (2013). Exploring the introduction, expansion and sustainability of caseload midwifery in Australia. *Women and Birth* *26*(Supplement 1):S4.
- Dawson, K., Newton, M., Forster, D., & McLachlan, H. (2015). Exploring midwifery students' views and experiences of caseload midwifery: A cross-sectional survey conducted in Victoria, Australia. *Midwifery*, *31*(2), e7-e15.
- De Jonge A, van der Goes BY, Ravelli AC, Amelink-Verburg MP, Mol BW, Nijhuis JG, et al. Perinatal mortality and morbidity in a nationwide cohort of 529,688 low-risk planned home and hospital births. *BJOG*2009;116:1177-84

- de Jonge, A., & Sandall, J. (2016). Improving Research into Models of Maternity Care to Inform Decision Making. *PLoS Med*, *13*(9), e1002135.
- Eccles, M. P., Foy, R., Sales, A., Wensing, M., & Mittman, B. (2012). Implementation Science six years on--our evolving scope and common reasons for rejection without review. *Implement Sci*, *7*, 71. doi:10.1186/1748-5908-7-71
- Effective Practice and Organisation of Care (EPOC). (2015). EPOC Taxonomy. Retrieved from Available at: [https:// epoc.cochrane.org/epoc-taxonomy](https://epoc.cochrane.org/epoc-taxonomy)
- Evans, D. (2003). Hierarchy of evidence: a framework for ranking evidence evaluating healthcare interventions. *J Clin Nurs*, *12*(1), 77-84.
- Fereday, J., & Oster, C. (2008). Managing a work-life balance: the experiences of midwives working in a group practice setting. *Midwifery*, *26*(3), 311 - 318.
- Forster, D., McLachlan, H., Davey, M.-A., Biro, M. A., Farrell, T., Gold, L., . . . Waldenström, U. (2016). Continuity of care by a primary midwife (caseload midwifery) increases women's satisfaction with antenatal, intrapartum and postpartum care: results from the COSMOS randomised controlled trial. *BMC pregnancy and childbirth*, *16*(1), 1.
- Forster, D., Newton, M., McLachlan, H., & Willis, K. (2011). Exploring implementation and sustainability of models of care: Can theory help? *Women & Birth*, *24*, S14-S14. doi:10.1016/j.wombi.2011.07.059
- Golding, J., Greenwood, R., Birmingham, K., & Mott, M. (1992). Childhood cancer, intramuscular vitamin K, and pethidine given during labour. *BMJ*, *305*(6849), 341-346.
- Golding, J., Paterson, M., & Kinlen, L. (1990). Factors associated with childhood cancer in a national cohort study. *British Journal of Cancer*, *62*(2), 304.
- Gray, J., Taylor, J., & Newton, M. (2016). Embedding continuity of care experiences: An innovation in midwifery education. *Midwifery*, *33*, 40-42.
- Gross, T. T., Rahman, M., A, M. W., J, M. H., Sarpong, K. O., Rupp, R. E., . . . Berenson, A. B. (2016). Implementation of a Postpartum HPV Vaccination Program in a Southeast Texas Hospital: A Qualitative Study Evaluating Health Care Provider Acceptance. *Matern Child Health J*, *20*(Suppl 1), 154-163. doi:10.1007/s10995-016-2030-0
- Guilliland, K., & Tracy, S. (2015). Australian and New Zealand midwifery and maternity services. In S. Pairman, J. Pincombe, C. Thorogood, & S. Tracy (Eds.), *Midwifery Preparation for Practice* (Third ed.). Sydney: Elsevier.
- Hawe, P., Shiell, A., & Riley, T. (2009). Theorising interventions as events in systems. *American journal of community psychology*, *43*(3-4), 267-276.
- Haynes, R. B. (2006). Of studies, syntheses, synopses, summaries, and systems: the "5S" evolution of information services for evidence-based healthcare decisions. *Evid Based Med*, *11*(6), 162-164. doi:10.1136/ebm.11.6.162-a
- Homer, C., Brodie, P., & Leap, N. (2008). *Midwifery Continuity of Care: A practical guide*. Sydney: Elsevier Australia.
- Homer, C. S. (2016). Models of maternity care: evidence for midwifery continuity of care. *The Medical journal of Australia*, *205*(8), 370.
- Jepsen, I., Juul, S., Foureur, M., Sørensen, E. E., & Nøhr, E. A. (2017). Is caseload midwifery a healthy work-form? – A survey of burnout among midwives in Denmark. *Sexual & Reproductive Healthcare*, *11*, 102-106. doi:http:// dx.doi.org/10.1016/j.srhc.2016.12.001
- Khan, S., Timmings, C., Moore, J. E., Marquez, C., Pyka, K., Gheihman, G., & Straus, S. E. (2014). The development of an online decision support tool for organizational readiness for change. *Implementation Science*, *9*(1), 56.
- Klebanoff, M. A., Read, J. S., Mills, J. L., & Shiono, P. H. (1993). The risk of childhood cancer after neonatal exposure to vitamin K. *N Engl J Med*, *329*(13), 905-908. doi:10.1056/NEJM199309233291301
- Kozhimannil, K. B., Artanasio, L. B., Yang, Y. T., Avery, M. D., & Declercq, E. (2015). Midwifery Care and Patient– Provider Communication in Maternity Decisions in the United States. *Maternal and Child Health Journal*, *19*(7), 1608-1615. doi:10.1007/s10995-015-1671-8
- Lau, R., Stevenson, F., Ong, B.N., Dziedzic, K., Eldridge, S., Everitt, H., Kennedy, A., Kontopantelis, E., Little, P., Qureshi, N. and Rogers, A., 2014. Addressing the evidence to practice gap for complex interventions in primary care: a systematic review of reviews protocol. *BMJ open*, *4*(6),

- p.e005548. May, C., & Finch, T. (2009). Implementing, embedding, and integrating practices: an outline of normalization process theory. *Sociology*, *43*(3), 535-554.
- May, C., Mair, F., Finch, T., MacFarlane, A., Dowrick, C., Treweek, S., . . . Rogers, A. (2009). Development of a theory of implementation and integration: Normalization Process Theory. *Implementation Science*, *4*(1), 29.
- McAdams, R. M. (2014). Time to implement delayed cord clamping. *Obstet Gynecol*, *123*(3), 549-552. doi:10.1097/AOG.0000000000000122
- McKinney, P. A., Juszcak, E., Findlay, E., & Smith, K. (1998). Case-control study of childhood leukaemia and cancer in Scotland: findings for neonatal intramuscular vitamin K. *BMJ*, *316*(7126), 173-177.
- McLachlan, H., Forster, D., Davey, M. A., Farrell, T., Gold, L., Biro, M. A., . . . Waldenstrom, U. (2012). Effects of continuity of care by a primary midwife (caseload midwifery) on caesarean section rates in women of low obstetric risk: the COSMOS randomised controlled trial. *BJOG: An International Journal of Obstetrics & Gynaecology*, *119*(12), 1483-1492.
- McLachlan, H., Newton, M., Nightingale, H., Morrow, J., & Kruger, G. (2013). Exploring the 'follow-through experience': A statewide survey of midwifery students and academics conducted in Victoria, Australia. *Midwifery*, *29*, 1064-1072.
- McLaren, E. (2013). Births in England and Wales by Characteristics of Birth 2, 2011.
- Michie S, Atkins L, West R. (2014) The Behaviour Change Wheel: A Guide to Designing Interventions. London: Silverback Publishing. www.behaviourchangewheel.com
- Michie, S., van Stralen, M. M., & West, R. (2011). The behaviour change wheel: a new method for characterising and designing behaviour change interventions. *Implement Sci*, *6*, 42. doi:10.1186/1748-5908-6-42
- Ministry of Health. (2015). *Report on Maternity 2014*. Wellington, New Zealand.
- Morris, Z. S., Wooding, S., & Grant, J. (2011). The answer is 17 years, what is the question: understanding time lags in translational research. *Journal of the Royal Society of Medicine*, *104*(12), 510-520.
- Newton, M., McLachlan, H., Forster, D., & Willis, K. (2016). Understanding the 'work' of caseload midwives: A mixed-methods exploration of two caseload midwifery models in Victoria, Australia. *Women and Birth*, *29*(3), 223-233. doi:http://dx.doi.org/10.1016/j.wombi.2015.10.011
- Newton, M., McLachlan, H., Willis, K., & Forster, D. (2014). Comparing satisfaction and burnout between caseload and standard care midwives: findings from two cross-sectional surveys conducted in Victoria, Australia. *BMC Pregnancy and Childbirth*, *14*(426).
- NHS England. (2016). National Maternity Review. Better Births; Improving Outcomes of Maternity Services in England. *NHS England, London*.
- Olander, E. K., Darwin, Z. J., Atkinson, L., Smith, D. M., & Gardner, B. (2016). Beyond the 'teachable moment'—A conceptual analysis of women's perinatal behaviour change. *Women and Birth*, *29*(3), e67-e71.
- Ovretveit, J. (2014). *Evaluating improvement and implementation for health*: McGraw-Hill Education (UK).
- Perdok, H., Jans, S. verhoeven, C., Henneman, L., Wiegers, T., Mol, B. W., . . . de Jonge, A. (2016). Opinions of maternity care professionals and other stakeholders about integration of maternity care: a qualitative study in the Netherlands. *BMC Pregnancy and Childbirth*, *16*(1), 188. doi:10.1186/s12884-016-0975-z
- Peters, D. H., Tran, N. T., & Adam, T. (2013). *Implementation research in health: a practical guide*. World Health Organization.
- Pinnock, H., Barwick, M., Carpenter, C. R., Eldridge, S., Grandes, G., Griffiths, C. J., . . . Patel, A. (2017). Standards for Reporting Implementation Studies (StaRI) Statement. *BMJ*, *356*, i6795.
- Proctor, E. K., Powell, B. J., Baumann, A. A., Hamilton, A. M., & Santens, R. L. (2012). Writing implementation research grant proposals: ten key ingredients. *Implementation Science*, *7*(1), 96.
- Reeves, S., Albert, M., Kuper, A., & Hodges, B. D. (2008). Why use theories in qualitative research. *BMJ*, *337*(7670), 631- 634.

- Sandall, J., Davies, J., & Warwick, C. (2001). *Evaluation of the Albany Midwifery Practice*. Retrieved from London:
- Sandall, J., Hatem, M., Devane, D., Soltani, H., & Gates, S. (2009). Discussions of findings from a Cochrane review of midwife-led versus other models of care for childbearing women: continuity, normality and safety. *Midwifery*, 25, 8-13.
- Sandall, J., Soltani, H., Gates, S., Shennan, A., & Devane, D. (2016). Midwife-led continuity models versus other models of care for childbearing women. *Cochrane Database of Systematic Reviews*(4). doi:10.1002/14651858. CD004667.pub5
- Sherr, K., Gimbel, S., Rustagi, A., Nduati, R., Cuembelo, F., Farquhar, C., . . . Gloyd, S. (2014). Systems analysis and improvement to optimize pMTCT (SAIA): a cluster randomized trial. *Implementation Science*, 9(1), 55.
- Taft, A. J., Hooker, L., Humphreys, C., Hegarty, K., Walter, R., Adams, C., . . . Small, R. (2015). Maternal and child health nurse screening and care for mothers experiencing domestic violence (MOVE): a cluster randomised trial. *BMC medicine*, 13(1), 150.
- Taft, A. J., Small, R., Humphreys, C., Hegarty, K., Walter, R., Adams, C., & Agius, P. (2012). Enhanced maternal and child health nurse care for women experiencing intimate partner/family violence: protocol for MOVE, a cluster randomised trial of screening and referral in primary health care. *BMC public health*, 12(1), 811
- ten Hoope-Bender, P. (2013). Continuity of maternity carer for all women. *The Lancet*, 382(Nov), 1685-1687.
- Tracy S, Hartz D, Tracy M, Allen J, Forti A, Hall B, et al. Caseload midwifery care versus standard maternity care for women of any risk: M@NGO, a randomised controlled trial. *Lancet* 2013;382(November):1723–32.
- Thacker, S. B., & Banta, H. D. (1983). Benefits and risks of episiotomy: an interpretative review of the English language literature, 1860-1980. *Obstetrical & gynecological survey*, 38(6), 322-338.
- Timmings, C., Khan, S., Moore, J. E., Marquez, C., Pyka, K., & Straus, S. E. (2016). Ready, Set, Change! Development and usability testing of an online readiness for change decision support tool for healthcare organizations. *BMC medical informatics and decision making*, 16(1), 24.
- Tombor, I., Shahab, L., Brown, J., Crane, D., Michie, S., & West, R. (2016). Development of SmokeFree Baby: a smoking cessation smartphone app for pregnant smokers. *Translational Behavioral Medicine*, 6(4), 533-545.
- Tracy, S., Hartz, D., Tracy, M., Allen, J., Forti, A., Hall, B., . . . Kildea, S. (2013). Caseload midwifery care versus standard maternity care for women of any risk: M@NGO, a randomised controlled trial. *The Lancet*, 382(November 23), 1723- 1732.
- Wiegers, T. A., Warmelink, J. C., Spelten, E. R., Klomp, T., & Hutton, E. K. (2014). Work and workload of Dutch primary care midwives in 2010. *Midwifery*, 30(9), 991-997.
- WHO Reproductive Health Library. WHO recommendation on midwife-led continuity of care during pregnancy. (November 2016). The WHO Reproductive Health Library; Geneva: World Health Organization.

Çizimler

Şekil 2: Michie S, Atkins L, West R. (2014) The Behavior Change Wheel: A Guide to Designing Interventions.

Londra: Silverback Yayıncılık. www.behaviourchangewheel.com izniyle

Şekil 3: Michie, S., Atkins, L., West, R. (2014) The Behavior Change Wheel: A Guide to Designing Interventions. Londra: Silverback Yayıncılık. www.behaviourchangewheel.com izniyle