

CURRICULUM VITAE

ETHAN BALK, MD MPH

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CURRICULUM VITAE

ETHAN BALK, MD MPH

PERSONAL INFORMATION

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EDUCATION

1987 BA, Chemistry
Williams College, Williamstown MA
1991 MD
Tufts University School of Medicine, Boston MA
1991-94 Internal Medicine, Primary Care Medicine residency
St Elizabeth's Medical Center, Boston MA
1999 MPH, Biostatistics and Epidemiology
Sackler School, Tufts University, Boston MA

ACADEMIC APPOINTMENTS

1994-97 Primary Care / Internal Medicine physician, Dedham Medical Center, Dedham MA
Newton Wellesley Hospital, Newton, MA
Faulkner Hospital, Jamaica Plain, MA
1999-2012 Assistant Professor, Tufts Medical Center, Dept of Medicine
2013-16 Associate Professor, Tufts Medical Center, Dept of Medicine
2014-16 Assistant Professor, Brown University School of Public Health
2016-22 Associate Professor, Brown University School of Public Health
2022-current Professor, Brown University School of Public Health

OTHER APPOINTMENTS: LEADERSHIP

2000-07 Assistant Director, Tufts EPC, Tufts Medical Center
2007-14 Associate Director, Tufts EPC, Tufts Medical Center
2008-13 Director, Tufts Evidence Review Team (KDIGO/Kidney Disease: Improving Global Outcomes), Tufts Medical Center
2014-15 Director, Tufts EPC, Tufts Medical Center
2015-18 Associate Director, Brown EPC, Brown School of Public Health

2018-current Co-Director, Brown Evidence-based Practice Center (AHRQ), Brown School of Public Health

DEPARTMENT, CENTER, UNIVERSITY SERVICE (BROWN)

2016-24 Health Services Research Seminar Series coordinator
 2017 Committee Chair, Faculty search committee, Brown University School of Public Health, PH #200 (Assistant Professor)
 2018 Committee Member, Faculty promotion committee, Brown University School of Public Health, Michael Barton Laws, PhD, MA (Associate Professor)
 2021 Committee Chair, Faculty promotion committee, Brown University School of Public Health, Orestis Panagiotou, MD, PhD (Associate Professor)
 2022-24 Committee Member, Faculty search committee, Brown University School of Public Health, PH #308 (Open Rank, Research Scholar Track)
 2024-25 Committee Member, Faculty promotion committee, Brown University School of Public Health, Angeliki Veroniki, PhD, MSc (Associate Professor)

NATIONAL AND INTERNATIONAL SERVICE

National and International Committees

2000-12 Kidney Disease Outcome Quality Initiative (KDOQI) Clinical Practice Guideline Committees, Member/Systematic review consultant
 2008-current Society for Gynecologic Surgeons Systematic Review Group, Member/Systematic review consultant
 2008-13 Board Member, National Guideline Clearinghouse/National Quality Measures Clearinghouse Core Editorial Board
 2010 Member, Repair, Revascularization, Regeneration & Reimbursement summit, Center for Medical Technology Policy & The Angiogenesis Foundation
 2010-12 Member, American College of Radiology Appropriateness Criteria Committee
 2010-current Kidney Disease: Improving Global Outcomes (KDIGO) Clinical Practice Guideline Committees (*international*), Member/Systematic review consultant
 2015 Invited Discussant, Sleep apnea future research, Workshop on Implementation of Sleep and Circadian Science
 2015-16 ACC/AHA/HRS Guideline Committee for the Management of Adult Patients With Supraventricular Tachycardia, Member
 2015-17 Society of American Gastrointestinal and Endoscopic Surgeons Systematic Review Group, Member/Systematic review consultant
 2017-18 WHO Guidelines for Management of Cancer Pain (*international*), Member/Systematic review consultant
 2019-21 Kidney Disease: Improving Global Outcomes (KDIGO) Methodology Workgroup, Committee Member
 2018-23 American Academy of Gynecologic Laparoscopists Clinical Practice Committee, Member/Systematic review consultant

2021-23	National Academies of Sciences, Engineering, and Medicine (NASEM) Committee to Review Dietary Reference Intakes for Energy, Committee Member
2021-current	American College of Physicians Clinical Guideline Committee, Committee member

Grant Application Review Boards

2008	Medical Research Scotland, Omega-3 fatty acid study review, Reviewer
2015	PCORI, Improving Healthcare Systems, Medical reviewer

Editorial Responsibilities

2010-12, 2018-current	Associate Editor, Evidence-based Practice Center Program, AHRQ
2011-16	Editorial Board member, Journal of Comparative Effectiveness Research
2014-23	Deputy Editor, Journal of General Internal Medicine

Journal Manuscript Reviewer

More than 20 journals since 2001, including BMJ, JAMA, NEJM, PLOS One
Frequent reviewer for the Annals of Internal Medicine.

“Top grade”: 2021

Top 10% of all reviewers: 2004, 2005, 2006, 2008, 2009, 2010, 2011, 2013, 2014, 2015,
2022.

Top 30% of all reviewers: 2003, 2007, 2016, 2018, 2020.

SERVICE TO OTHER INSTITUTIONS

2004	Mentoring Committee, Institute for Clinical Research and Health Policy Studies, Tufts University School of Medicine, Member
2004-07	Scientific Affairs Committee, Tufts University School of Medicine, Member
2007-08	Website Committee, Institute for Clinical Research and Health Policy Studies, Tufts University School of Medicine, Member

IMPACT OF SCHOLARLY WORK (as of February 18, 2026)

- According to **Google Scholar**:
 - Cited by = 102,341 (including 5498 citations in 2025)
 - *h*-index = 90; i.e., 90 papers have received at least 90 citations)
 - *i10*-index = 233 (190 since 2021); i.e., number of publications with at least 10 citations
- According to **Scopus**:
 - Citations = 35,844 (1700 in 2025)

- *h*-index = 68
 - According to **Web of Science**:
 - Citations = 18,973 (1319 in 2025)
 - *h*-index = 64
 - According to **iCite, NIH Office of Portfolio Analysis** (<https://icite.od.nih.gov>):
 - Relative citation ratio (RCR), mean = 3.65 (*i.e. my articles have received 3.65 times as many citations per year as the average NIH-funded article in its field*)
 - RCR, weighted = 876.59 (*sum of the RCRs weighted by their influence relative to the average NIH-funded article; a highly influential set of articles has a higher weighted RCR than total number of publications*)
- Note that these measures are increases (improvements) compared with February 2025.*

PUBLICATIONS IN PEER-REVIEWED JOURNALS

(publications with ≥100 citations per Web of Science are noted)

1. Machac J, Levin H, **Balk E**, Horowitz SF. Computer modeling of planar myocardial perfusion imaging: effect of heart rate and ejection fraction on wall thickness and chamber size. *J Nucl Med.* 1986 May;27(5):653-9. PMID: 3712082.
2. Elliott CM, Redepenning JG, Balk EM. Electronic conductivity of poly[tris(5,5'-bis[(3-acrylyl-1-propoxy)carbonyl]-2,2'-bipyridine)ruthenium(0)]. *J. Am. Chem. Soc.* 1985, 107, 26, 8302–8304.
3. Lau J, Ioannidis JPA, **Balk EM**, Milch C, Terrin N, Chew PW, Salem D. Diagnosing Acute Cardiac Ischemia in the Emergency Department: A Systematic Review of the Accuracy and Clinical Effect of Current Technologies. *Ann Emergency Med.* 2001; 37: 453-60. PMID: 11326181.
106 citations (per Web of Science 2/20/2025)
4. **Balk EM**, Ioannidis JPA, Salem D, Chew PW, Lau J. Accuracy of Biomarkers to Diagnose Acute Cardiac Ischemia in the Emergency Department: A Meta-Analysis. *Ann Emergency Med.* 2001; 37: 478-94. PMID: 11326184.
5. **Balk EM**, Zucker DR, Engels EA, Wong JB, Williams JW Jr, Lau J. Strategies for Diagnosing and Treating Suspected Acute Bacterial Sinusitis: A Cost-Effectiveness Analysis. *J Gen Intern Med.* 2001; 16: 701-711. PMID: 11679039.
6. **Balk EM**, Bonis PAL, Moskowitz H, Schmid CH, Ioannidis JPA, Wang C, Lau J. Correlation of Quality Measures With Estimates of Treatment Effect in Meta-analyses of Randomized Controlled Trials. *JAMA.* 2002; 287: 2973-2982. PMID: 12052127.
351 citations (per Web of Science 2/20/2025)
7. **Balk EM**, Lau J, Goudas LC, Jordan HS, Kupelnick B, Kim LU, Karas RH. Effects of Statins on Nonlipid Serum Markers Associated with Cardiovascular Disease. *Ann Intern Med.* 2003; 139(8): 670-82. PMID: 14568856.
156 citations (per Web of Science 2/20/2025)

8. Hogg RJ. Furth S. Lemley KV. Portman R. Schwartz GJ. Coresh J. **Balk E**. Lau J. Levin A. Kausz AT. Eknoyan G. Levey AS. National Kidney Foundation's Kidney Disease Outcomes Quality Initiative. National Kidney Foundation's Kidney Disease Outcomes Quality Initiative clinical practice guidelines for chronic kidney disease in children and adolescents: evaluation, classification, and stratification. *Pediatrics*. 111(6 Pt 1): 1416-21, 2003 Jun. PMID: 12777562.
476 citations (per Web of Science 2/20/2025)
9. Levey AS. Coresh J. **Balk E**. Kausz AT. Levin A. Steffes MW. Hogg RJ. Perrone RD. Lau J. Eknoyan G. National Kidney Foundation. National Kidney Foundation practice guidelines for chronic kidney disease: evaluation, classification, and stratification. *Ann Intern Med*. 2003 139(2): 137-47. PMID: 12859163.
3561 citations (per Web of Science 2/20/2025)
10. Milch C, **Balk EM**, Salem D, Lau J. Decision and cost-effectiveness analysis for the diagnosis of acute cardiac ischemia in the emergency department. *J Applied Res* 2003;3:1.
11. Mansmann G, Lau J, **Balk E**, Rothberg M, Miyachi Y, and Bornstein SR. The Clinically Inapparent Adrenal Mass: Update in Diagnosis and Management. *Endocr Rev* 2004;25: 309-340. PMID: 15082524.
568 citations (per Web of Science 2/20/2025)
12. Carr DB, Goudas LC, **Balk EM**, Bloch R, Ioannidis JPA, Lau J. Evidence report on the treatment of pain in cancer patients. *J Natl Cancer Inst Monogr* 2004;32: 23-31. PMID: 15263038.
13. Wheeler PG, Bresnahan K, Shephard BA, Lau J, **Balk EM**. Short Stature and Functional Impairment: A Systematic Review. *Archives of Pediatric and Adolescent Medicine*. 2004; 158: 236-243. PMID: 14993082.
14. **Balk EM**, Karas RH, Jordan HS, Kupelnick B, Chew P, Lau J. Effects of Statins on Vascular Structure and Function: A Systematic Review. *Am J Med*. 2004; 117 (10): 774-89. PMID: 15541327.
15. Goldblatt JP. Fitzsimmons SE. **Balk E**. Richmond JC. Reconstruction of the anterior cruciate ligament: meta-analysis of patellar tendon versus hamstring tendon autograft. *Arthroscopy*. 2005. 21(7): 791-803. PMID: 16012491.
237 citations (per Web of Science 2/20/2025)
16. **Balk EM**, Lichtenstein AH, Chung M, Kupelnick B, Chew P, Lau J. Effects of Omega-3 Fatty Acids on Coronary Restenosis, Intima-Media Thickness, and Exercise Tolerance: A Systematic Review. *Atherosclerosis* 2006 184 (2): 237–246. PMID: 16084516.
17. Lapointe A, **Balk EM**, Lichtenstein AH. Gender differences in plasma lipid response to dietary fat. *Nutrition Reviews*, 2006; 64(5): 234-49. PMID: 16770944.

18. Wang C, Harris WS, Chung M, Lichtenstein AH, **Balk EM**, Kupelnick B, Jordan HS, Lau J. n-3 Fatty acids from fish or fish-oil supplements, but not α -linolenic acid, benefit cardiovascular disease outcomes in primary- and secondary-prevention studies: a systematic review. *Am J Clin Nutr* 2006;84: 5–17. PMID: 16825676.
762 citations (per Web of Science 2/20/2025)
19. **Balk EM**, Lichtenstein AH, Chung M, Kupelnick B, Chew P, Lau J. Effects of Omega-3 Fatty Acids on Serum Markers of Cardiovascular Disease Risk : A Systematic Review. *Atherosclerosis* 2006; 189(1): 19-30. PMID: 16530201.
565 citations (per Web of Science 2/20/2025)
20. Sosa MA, **Balk EM**, Balakrishnan VS, Liangos O, Lau J, Madias NE, Pereira BJB, Jaber BL. A Systematic Review of the Effect of the Excebrane Dialyzer on Biomarkers of Lipid Peroxidation and Anemia Parameters. *Nephrol Dial Transplant*. 2006 21(10): 2825-2833. PMID: 16861726.
21. **Balk EM**, Raman G, Chung M, Ip S, Tatsioni A, Alonso A, Chew P, Gilbert SJ, Lau J. Comparative Effectiveness of Management Strategies for Renal Artery Stenosis: A Systematic Review. *Ann Intern Med*. 2006; 145(12): 901-12. PMID: 17062633.
138 citations (per Web of Science 2/20/2025)
22. **Balk EM**, Raman G, Tatsioni A, Chung M, Lau J, Rosenberg IH. Vitamin B₆, B₁₂ and Folic Acid Supplementation and Cognitive Function: A Systematic Review of Randomized Trials. *Arch Intern Med*. 2007; 167: 21-30. PMID: 17210874.
160 citations (per Web of Science 2/20/2025)
23. **Balk EM**, Horsley TA, Newberry SJ, Lichtenstein AH, Yetley EA, Schachter HM, Moher D, MacLean CH, Lau J. A collaborative effort to apply the evidence-based review process to the field of nutrition: Challenges, benefits, and lessons learned. *Am J Clin Nutr*. 2007;85: 1448 –56. PMID 17556679.
24. Dansinger ML, Tatsioni A, Wong JB, Chung M, **Balk EM**. Meta-analysis: The Effect of Dietary Counseling for Weight Loss. *Ann Intern Med*. 2007;147: 41-50. PMID: 17606960.
352 citations (per Web of Science 2/20/2025)
25. **Balk EM**, Tatsioni A, Lichtenstein A, Lau J, Pittas AG. Effect of Chromium Supplementation on Glucose Metabolism and Lipids: A Systematic Review of Randomized Controlled Trials. *Diabetes Care* 2007;30: 2154-63. PMID: 17519436.
195 citations (per Web of Science 2/20/2025)
26. Thomas G, Rojas MC, Epstein SK, **Balk EM**, Liangos O, Jaber BL. Insulin therapy and acute kidney injury in critically ill patients—a systematic review. *Nephrol Dial Transplant* 2007;22(10): 2849-55. PMID: 17604310.
27. Raman G, Tatsioni A, Chung M, Rosenberg IH, Lau J, Lichtenstein AH, **Balk EM**. Heterogeneity and Lack of Good Quality Studies Limit Association Between Folate, Vitamins B-6 and B-12, and Cognitive Function. *J Nutr* 2007;137: 1789-94. PMID: 17585032.

28. London B, Albert C, Anderson ME, Giles WR, Van Wagoner DR, **Balk E**, Billman GE, Chung M, Lands W, Leaf A, McAnulty J, Martens JR, Costello RB, Lathrop DA. Omega-3 Fatty Acids and Cardiac Arrhythmias: Prior Studies and Recommendations for Future Research A Report from the National Heart, Lung, and Blood Institute and Office of Dietary Supplements Omega-3 Fatty Acids and Their Role in Cardiac Arrhythmogenesis Workshop. *Circulation*. 2007; 116: e320-e335. PMID: 17768297.
169 citations (per Web of Science 2/20/2025)
29. Tatsioni A. **Balk E**. O'Donnell T. Lau J. Usual care in the management of chronic wounds: a review of the recent literature. *J Am Coll Surg*. 2007; 205(4): 617-624 (e57). PMID: 17903739.
30. Sanghani M. **Balk E**. Cady B. Wazer D. Predicting the risk of local recurrence in patients with breast cancer: an approach to a new computer-based predictive tool. *Am J Clin Oncol*. 2007; 30(5): 473-80. PMID: 17921706.
31. Seabra VF. **Balk EM**. Liangos O. Soa MA. Cendoroglo M. Jaber BL. Timing of renal replacement therapy initiation in acute renal failure: A meta-analysis. *Am J Kidney Dis*. 2008. 52(2): 272-84. PMID: 18562058.
214 citations (per Web of Science 2/20/2025)
32. Thomas G. **Balk EM**. Jaber BL. Effect of intensive insulin therapy and pentastarch resuscitation on acute kidney injury in severe sepsis. *Am J Kidney Dis*. 2008; 52: 13-17. PMID: 18514991.
33. Murphy M for the Society of Gynecologic Surgeons Systematic Review Group. Clinical Practice Guidelines on Vaginal Graft Use from the Society of Gynecologic Surgeons. *Obstet Gynecol*. 2008; 112: 1123-30. PMID: 18978115 DOI: 10.1097/AOG.0b013e318189a8cc
34. Sung VW, Rogers RG, Schaffer JI, **Balk EM**, Uhlig K, Lau J, Abed H, Wheeler TL, Morrill MY, Clemons JL, Rahn DD, Lukban JC, Lowenstein L, Kenton K, Young SB, for the Society of Gynecologic Surgeons Systematic Review Group. Graft Use in Transvaginal Pelvic Organ Prolapse Repair - A Systematic Review. *Obstet Gynecol*. 2008; 112: 1131-42. PMID: 18978116.
133 citations (per Web of Science 2/20/2025)
35. Russell R, Chung M, **Balk EM**, Atkinson S, Giovannucci EL, Ip S, Lichtenstein AH, Taylor Mayne S, Raman G, Ross AC, Trikalinos TA, West KP Jr, Lau J. Opportunities and challenges in conducting systematic reviews to support the development of nutrient reference values: vitamin A as an example. *Am J Clin Nutr*. 2009;89: 1–6. PMID 19176732.
36. Abernethy AP, Raman G, **Balk EM**, Hammond JM, Orlando LA, Wheeler JL, Lau J, McCrory DC. Systematic Review: Reliability of compendia methods for off-label oncology indications. *Ann Intern Med*. 2009; 150: 336-43. PMID: 19221366.
37. Chung M, **Balk EM**, Ip S, Raman G, Yu WW, Trikalinos T, Lichtenstein AH, Yetley EA, Lau J. Reporting of Systematic Reviews of Micronutrients and Health: A Critical Appraisal. *Am J Clin Nutr*. 2009; 89: 1099–113. PMID: 19244363

38. Ip S, Lichtenstein AH, Chung M, Lau J, **Balk EM**. Systematic review: Association of low-density lipoprotein subfractions with cardiovascular outcomes. *Ann Intern Med*. 2009;150: 474-484. PMID: 19349632.
121 citations (per Web of Science 2/20/2025)
39. Sanghani M, **Balk EM**, Cady B. Impact of axillary lymph node dissection on breast cancer outcome in clinically node negative patients: a systematic review and meta-analysis. *Cancer*. 2009; 115: 1613-20. PMID: 19199349.
40. Chung M, Lichtenstein AH, Ip S, Lau J, **Balk EM**. Comparability of Methods for LDL Subfraction Determination: A Systematic Review *Atherosclerosis*. 2009; 205: 342-348. PMID: 19162266.
41. Terasawa T, **Balk EM**, Chung M, Garlitski AC, Alsheikh-Ali AA, Lau J, Ip S. Systematic Review: Comparative Effectiveness of Radiofrequency Catheter Ablation for Atrial Fibrillation. *Ann Intern Med*. 2009; 151: 191-202. PMID: 19581635.
42. Wagner M, **Balk EM**, Kent DM, Kasiske BL, Ekberg H. Subgroup analyses in randomized controlled trials: the need for risk stratification in kidney transplantation. *Am J Transplant*. 2009; 9: 2217-22. PMID: 19764948.
43. Gordon CE, Feller-Kopman D, **Balk EM**, Smetana GW. Pneumothorax following thoracentesis: a systematic review and meta-analysis. *Arch Intern Med*. 2010; 170(4): 332-339. PMID: 20177035.
231 citations (per Web of Science 2/20/2025)
44. Pittas AG, Chung M, Trikalinos T, Mitri J, Brendel M, Patel K, Lichtenstein AH, Lau J, **Balk EM**. Systematic review: Vitamin D and cardiometabolic outcomes. *Ann Intern Med*. 2010; 152: 307-314. PMID: 20194237.
578 citations (per Web of Science 2/20/2025)
45. Kasiske BL, Zeier MG, Chapman JR, Craig JC, Ekberg H, Garvey CA, Green MD, Jha V, Josephson MA, Kiberd BA, Kreis HA, McDonald RA, Newmann JM, Obrador GT, Vincenti FG, Cheung M, Earley A, Raman G, Abariga S, Wagner M, **Balk EM**. KDIGO clinical practice guideline for the care of kidney transplant recipients: a summary. *Kidney Int*. 2010; 77(4): 299-311. PMID: 19847156.
536 citations (per Web of Science 2/20/2025)
46. Chung M, **Balk EM**, Ip S, Lee J, Terasawa T, Raman G, Trikalinos T, Lichtenstein AH, Lau J. Systematic review to support the development of nutrient reference intake values: challenges and solutions. *Am J Clin Nutr*. 2010; 92(2): 273-6. PMID: 20504974.
47. Alsheikh-Ali AA, Kitsios GD, **Balk EM**, Lau J, Ip S. The vulnerable atherosclerotic plaque: Scope of the literature. *Ann Intern Med*. 2010; 153(6): 387-95. PMID: 20713770.
48. Seabra VF, Alobaidi S, **Balk EM**, Poon AH, Jaber BL. Off-pump coronary artery bypass surgery and acute kidney injury: a meta-analysis of randomized controlled trials. *Clin J Am Soc Nephrol*. 2010; 5(10): 1734-44. PMID: 20671222.

49. **Balk EM**, Garlitski AC, Alsheikh-Ali AA, Terasawa T, Chung M, Ip S. Predictors of atrial fibrillation recurrence after radiofrequency catheter ablation: a systematic review. *J Cardiovasc Electrophysiol*. 2010; 21(11): 1208-16. PMID: 20487117.
194 citations (per Web of Science 2/20/2025)
50. Savović J, Harris RJ, Wood L, Beynon R, Altman D, Als-Nielsen B, **Balk EM**, Deeks J, Gluud LL, Gluud C, Ioannidis JP, Jüni P, Moher D, Pildal J, Schulz KF, Sterne JA. Development of a combined database for meta-epidemiological research. *Res Synth Methods*. 2010 Jul;1(3-4):212-25. PMID: 26061467.
51. Abed H, Rahn DD, Lowenstein L, **Balk EM**, Clemons JL, Rogers RG, for the Systematic Review Group of the Society of Gynecologic Surgeons. Incidence and management of graft erosion, wound granulation, and dyspareunia following vaginal prolapse repair with graft materials: a systematic review. *Int Urogynecol J*. 2011. 22(7): 789-98. PMID: 21424785.
248 citations (per Web of Science 2/20/2025)
52. Rahn DD, Abed H, Sung VW, Matteson KA, Rogers RG, Morrill MY, Barber MD, Schaffer JI, Wheeler TL 2nd, **Balk EM**, Uhlig K; for the Society of Gynecologic Surgeons—Systematic Review Group. Systematic review highlights difficulty interpreting diverse clinical outcomes in abnormal uterine bleeding trials. *J Clin Epidemiol*. 2011; 64(3): 293-300. PMID: 20705427.
53. Jaber BL, Almarzouqi L, Borgi L, Seabra VF, **Balk EM**, Madias NE. Short-term Efficacy and Safety of Vasopressin Receptor Antagonists for Treatment of Hyponatremia. *Am J Med*. 2011; 124 (10): 977.e1-977.e9. PMID: 21962320.
54. Rahn DD, Mamik MM, Sanses TVD, Matteson KA, Aschkenazi SO, Washington BB, Steinberg AC, Harvie HS, Lukban JC, Uhlig K, **Balk EM**, Sung VW. Venous Thromboembolism Prophylaxis in Gynecologic Surgery: A Systematic Review. *Obstet Gynecol* 2011;118: 1111–25. PMID: 22015880.
55. Susantitaphong P, Alfayez M, Cohen-Bucay A, **Balk EM**, Jaber BL. Therapeutic hypothermia and prevention of acute kidney injury: A meta-analysis of randomized controlled trials. *Resuscitation*. 2012; 83(2): 159-67. PMID: 21983123.
56. Vaid A, Chweich H, **Balk EM**, Jaber BL. Molecular adsorbent recirculating system as artificial support therapy for liver failure: a meta-analysis. *ASAIO Journal*. 2012; 58(1): 51-9. PMID: 22210651.
57. Matteson KA, Abed H, Wheeler TL 2nd, Sung VW, Rahn DD, Schaffer JI, **Balk EM**. A systematic review comparing hysterectomy with less-invasive treatments for abnormal uterine bleeding. *J Minimal Inv Gynecol*. 2012. 19(1): 13-28. PMID: 22078015.
58. Ip S, Hadar N Hadar, Keefe S, Parkin C, Iovin R, **Balk EM**, Lau J. A Web-based archive of systematic review data. *Systematic Reviews* 2012, 1: 15. PMID: 22588052.
59. Dahabreh IJ, Chung M, **Balk EM**, Yu WW, Mathew P, Lau J, Ip S. Active surveillance in men with localized prostate cancer: A systematic review. *Ann Intern Med* 2012. 156(8): 582-90. PMID: 22351515.

60. Kawasaki A, Wu JM, Amundsen CL, Weidner AC, Judd JP, **Balk EM**, Siddiqui NY. Do urodynamic parameters predict persistent postoperative stress incontinence after midurethral sling? A systematic review. *Int Urogynecol J*. 2012. 23(7): 813-822. PMID: 22402639.
61. Ip S, D'Ambrosio C, Patel K, Obadan N, Kitsios GD, Chung M, **Balk EM**. Auto-titrating versus fixed continuous positive airway pressure for the treatment of obstructive sleep apnea: A systematic review with meta-analyses. *Systematic Reviews*. 2012. 1(1): 20. PMID: 22587875.
62. Susantitaphong P, Koulouridis I, **Balk EM**, Madias NE, Jaber BL. Effect of Frequent or Extended Hemodialysis on Cardiovascular Parameters: A Meta-analysis. *Am J Kid Dis*. 2012. 59(5): 689-99. PMID: 22370022
63. Susantitaphong P, Altamimi S, Ashkar M, **Balk EM**, Stel VS, Wright S, Jaber BL. GFR at initiation of dialysis and mortality in CKD: a meta-analysis. *Am J Kid Dis*. 2012. 59: 829-40. PMID: 22465328.
64. Corapi KM, Chen JLT, **Balk EM**, Gordon CE. Bleeding Complications of Native Kidney Biopsy: a systematic review and meta-analysis. *Am J Kid Dis*. 2012. 60(1): 62-73. PMID: 22537423. *293 citations (per Web of Science 2/20/2025)*
65. Chung M, Newberry SJ, Ansari MT, Yu WW, Wu H, Lee J, Suttorp M, Gaylor JM, Motala A, Moher D, **Balk EM**, Shekelle PG. Two methods provide similar signals for the need to update systematic reviews. *J Clin Epidemiol*. 2012. 65: 660-68. PMID 22464414.
66. Susantitaphong P, Sewaralthahab K, **Balk EM**, Jaber BL, Madias NE. Short- and Long-Term Effects of Alkali Therapy in Chronic Kidney Disease: A Systematic Review. *Am J Nephrol*. 2012. 35: 540-47. PMID: 22653322.
67. Murphy M, Olivera C, Wheeler T, Casiano E, Siddiqui N, Gala R, Gamble T, **Balk EM**, Sung V. Postoperative Management and Restrictions: Systematic Review and Practice Guidelines. *Int Urogynecol J*. 2012. 24(2): 185-93.
68. Upadhyay A, Earley A, Lamont JL, Haynes S, Wanner C, **Balk EM**. Lipid-Lowering Therapy in Persons With Chronic Kidney Disease: A Systematic Review and Meta-analysis. *Ann Intern Med*. 2012. 157(4): 251-62. PMID: 22910936. *143 citations (per Web of Science 2/20/2025)*
69. Cohen JB, Gordon CE, **Balk EM**, Francis JM. Cinacalcet for the Treatment of Hyperparathyroidism in Kidney Transplant Recipients: A Systematic Review and Meta-analysis. *Transplantation*. 2012. 94(10): 1041-8. PMID: 23069843.
70. Savović J, Jones HE, Altman DG, Harris RJ, Jüni P, Pildal J, Als-Nielsen B, **Balk EM**, Gluud C, Gluud LL, Ioannidis JP, Schulz KF, Beynon R, Welton NJ, Wood L, Moher D, Deeks JJ, Sterne JA. Influence of reported study design characteristics on intervention effect estimates from randomized, controlled trials. *Ann Intern Med*. 2012;157(6): 429-38. PMID: 22945832. *703 citations (per Web of Science 2/20/2025)*

71. Savović J, Jones H, Altman D, Harris R, Jüni P, Pildal J, Als-Nielsen B, **Balk E**, Gluud C, Gluud L, Ioannidis J, Schulz K, Beynon R, Welton N, Wood L, Moher D, Deeks J, Sterne J. Influence of reported study design characteristics on intervention effect estimates from randomised controlled trials: combined analysis of meta-epidemiological studies. *Health Technol Assess.* 2012;16(35): 1-82. PMID: 22989478.
416 citations (per Web of Science 2/20/2025)
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85. Steele DW, Caputo EL, Kanaan G, Zahradnik ML, Brannon E, Freeman JB, **Balk EM**, Trikalinos TA, Adam GP. Diagnosis and Management of Obsessive Compulsive Disorders in Children.

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OTHER NON-PEER REVIEWED PUBLICATIONS

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2. **Balk EM**, Lau J, Bonis PAL. Reading and Critically Appraising Systematic Reviews and Meta-Analyses: A Short Primer with a Focus on Hepatology. J Hepatol. 2005; 43 (4): 729-36. PMID: 16120472.
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4. Uhlig K. **Balk EM**. Lau J. Grading evidence-based guidelines – What are the issues? Am J Kidney Dis. 2008. 52(2): 211-15. PMID: 18640485.
5. Gordon CE, **Balk EM**, Becker BN, Crooks PA, Jaber BL, Johnson CA, Michael MA, Pereira BJG, Uhlig K, Levin, A. KDOQI US Commentary on the KDIGO Clinical Practice Guideline for the Prevention, Diagnosis, Evaluation, and Treatment of Hepatitis C in CKD. Am J Kidney Dis. 2008. 52: 811-25. PMID: 18971009.
6. **Balk EM**, Uhlig K. Using GRADE for International Guidelines on Kidney Disease. AHRQ National Guideline Clearinghouse. Jan 2010; <http://www.guideline.gov/expert/expert-commentary.aspx?id=16436>
7. Rahn DD, **Balk EM**, Sung V, Uhlig K. Managing Numerous Outcomes: Experience from a Systematic Review of Abnormal Uterine Bleeding Trials. AHRQ National Guideline Clearinghouse. Nov 2010; <http://www.guideline.gov/expert/expert-commentary.aspx?id=24283>.

8. Hermann RC, Shekelle PG, **Balk E**, Loeb JM, Lohr KN, Monteforte MJ, Schneider EC, Wachter R. Promoting Transparent and Actionable Clinical Practice Guidelines: Viewpoint from the National Guideline Clearinghouse/National Quality Measures Clearinghouse (NGC/NQMC) Editorial Board. AHRQ National Guideline Clearinghouse. Dec 2010; <http://guidelines.gov/expert/expert-commentary.aspx?id=24556>
9. O'Donnell TF Jr, **Balk EM**. The need for an Intersociety Consensus Guideline for venous ulcer. *Journal of Vascular Surgery*. 2011. 54(6 Suppl): 83S-90S. PMID: 21908148.
10. Hermann RC, Shekelle PG, **Balk E**, Jue JJS, Loeb JM, Lohr KN, Schneider EC. Consensus-based Selection Criteria for Accountability Measures: Viewpoint from the National Guideline Clearinghouse/National Quality Measures Clearinghouse Editorial Board, Jan 2012; <http://guidelines.gov/expert/expert-commentary.aspx?id=35107>.
11. **Balk E**, Bonis PAL. Systematic Review and Meta-analysis. UpToDate. 2011 (revised 2015, 2017, 2019, 2021).
12. Rahn D, Sung V, **Balk EM**. Building evidence-based skills in gynecology. *OBG Management*. 2015. 27(5): 1e-7e.
13. Evans E, Murphy M, **Balk E**. Salpingo-oophorectomy at the Time of Benign Hysterectomy. In reply. *Obstet Gynecol*. 2017 Jan;129(1): 203. doi: 10.1097/AOG.0000000000001823. PMID 28002289.
14. **Balk EM**, Raman G. Long-Term Health Outcomes in Women With Silicone Gel Breast Implants. In response. *Ann Intern Med*. 2016 Oct 4;165(7): 527-528. doi: 10.7326/L16-0196. PMID: 27699393.
15. Remington PL, Pittas AG, **Balk EM**. Diet and Physical Activity Promotion Programs to Prevent Type 2 Diabetes. In response. *Ann Intern Med*. 2016 Apr 19;164(8): 572. doi: 10.7326/L15-0570. PMID: 27089079.

INVITED PRESENTATIONS/COURSES (RECENT)

National

3/2014	American Board of Obstetrics & Gynecology / Society of Gynecologic Surgeons Scientific Meeting. Scottsdale, AZ	Building Evidence-Based Medicine Skills: Workshop for the Gynecologist
10/2014	Community Preventive Services Task Force quarterly meeting. CDC, Atlanta, GA	Combined Diet and Physical Activity Promotion Programs to Prevent Type 2 Diabetes Among Persons at Increased Risk
3/2015	Society of Gynecologic Surgeons Scientific Meeting. Orlando, FL	Building Evidence-Based Medicine Skills: Workshop for the Gynecologist

9/2015	Preventing Overdiagnosis International Meeting, NIH. Bethesda, MD	Benefits and Harms of Routine Preoperative Testing: A Comparative Effectiveness Review
10/2015	AHRQ Research Conference. Arlington VA	Tools and Resources for Evidence Synthesis
9/2016	Guidelines International Network meeting. Philadelphia, PA	Using Evidence Maps in SRDR to Efficiently Design Systematic Reviews
12/2016	AHRQ Learning Webinar Series. Online.	Using Evidence Maps in SRDR to Efficiently Design Systematic Reviews
3/2017	Society for General Internal Medicine Annual Meeting, Washington, DC	Using Evidence Maps in SRDR to Efficiently Design Systematic Reviews
4/2019	AHRQ Evidence-based Practice Center annual meeting. Bethesda, MD	Abstract: Online, Open-Access, Open-Source, Free Software for Citation Screening

International

3/2017	International Osteoporosis Foundation (IOF) Annual Meeting. Florence Italy	A global map of dietary calcium intake (IOF Board presentation, IOF calcium committee presentation, general plenary presentation, invited poster presentation)
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OTHER PRESENTATIONS/COURSES (RECENT)**National**

7/2019	Mobilizing Computable Biomedical Knowledge (MCBK) meeting, Bethesda, MD	Make systematic review information clearer and more accessible for decisionmakers
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International

11/2019	Guidelines International Network annual conference. Adelaide, Australia	SRDR 2.0 – Digging into/Accessing a systematic review repository to streamline summarizing existing large, complex reviews. 45 minute workshop.
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UNIVERSITY TEACHING AND MENTORING ROLES

2004-15	Mentor/Advisor	Sackler School of Graduate Biomedical Sciences, Tufts University
2005-2014	Lecturer	Introduction to Clinical Care Research (CR 525), Sackler School of Graduate Biomedical Sciences, Tufts University
2007-14	Co-Director	Introduction to Evidence-Based Medicine (CRES 581), Sackler School of Graduate Biomedical Sciences, Tufts University

2011	Course lecturer	Introduction to Clinical Epidemiology, Harvard School of Public Health
2011	Director	Introduction to Systematic Review Mini Course, New York University College of Global Public Health
2014	Course lecturer	Johnson and Wales, Evidence Based Medicine
2014-2019	Course instructor	Harvard Medical School, Global Clinical Scholars Research Training Program Epidemiology Review Webinar
2016, 18, 21, 23-25	Course lecturer	Brown University School of Public Health, Introduction to Evidence-Based Medicine (PHP 2415)
2016-2020	Mentor/Advisor	Brown University School of Public Health and Brown University (undergraduate)
2019-24	Mentor (primary)	Brown University School of Public Health (PhD candidate, Gaelen Adam, successful)