

WAKE FOREST SCHOOL OF MEDICINE
Curriculum Vitae

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EDUCATION

1990-1994	University of North Carolina at Chapel Hill Chapel Hill, North Carolina Bachelor of Science in Biology with Honors
1994-1998	Medical University of South Carolina Charleston, South Carolina Doctor of Medicine
2005-2008	Wake Forest University Graduate School of the Arts and Sciences Winston-Salem, North Carolina Master of Science in Health Sciences Research

POSTDOCTORAL TRAINING

1998-2001	Internal Medicine Residency Wake Forest University Baptist Medical Center Winston-Salem, North Carolina
2001-2002	Geriatrics Fellowship Wake Forest University Baptist Medical Center Winston-Salem, North Carolina
2003-2006	Hematology and Oncology Fellowship Wake Forest University Baptist Medical Center Winston-Salem, North Carolina

PROFESSIONAL LICENSURE

2006-present North Carolina Medical Board
License # 200001183

SPECIALTY CERTIFICATION

2001, 2011	Internal Medicine
2002, 2013	Geriatric Medicine
2006, 2016	Medical Oncology
2006	Hematology

EMPLOYMENT

Academic Appointments

Wake Forest School of Medicine

2002-2003	Instructor, Department of Internal Medicine, Section on Gerontology and Geriatric Medicine
2006-2012	Assistant Professor, Department of Internal Medicine, Section on Hematology and Oncology
2012-2018	Associate Professor, Department of Internal Medicine, Section on Hematology and Oncology
2018-present	Professor, Department of Internal Medicine Section on Hematology and Oncology

ADMINISTRATIVE SERVICE

School of Medicine

2014- 2015 Chair, Nominating Committee for Standing Committee Appointments

Institutional Service

2007	Member, Clinical and Population Translational Sciences Graduate Program Planning Committee
2008- 2011	Member, Women's Forum Executive Council
2010- 2013	Member, Intramural Research Support Committee
2012- 2015	Member, Faculty Representative Council
2014	Member, Pathology Chair Search Committee
2014- 2015	Member, Institutional Mentoring Committee
2015-present	Member, Wake Forest NCORP Executive Steering Committee
2016- 2018	Member, Mortality Committee
2016-present	Leader, Wake Forest Baptist Comprehensive Cancer Center (WFCCC) Cancer Control and Survivorship Disease Oriented Team (DOT)

2018-present Chair Elect, Women in Medicine and Science Career Development
Subcommittee

Departmental Service

2006-present Interviewer, Internal Medicine Residency Applicants
2006-present Interviewer, Hematology and Oncology Fellowship Applicants
2008-present Member, Hematology and Oncology Fellowship Committee

EXTRAMURAL APPOINTMENTS AND SERVICE

Funding Agency Reviewer

2016 Member, ASH Mentor Award Study Section

Editorial Boards

2010-present Member, Editorial Board for Journal of Geriatric Oncology
2014-present Associate Editor, Journal of Geriatric Oncology

Journal Reviewer

2008-present Archives of Internal Medicine
2008-present ASCO Educational Book
2010-present Cancer
2008-present Critical Reviews in Oncology and Hematology
2010-present Journal of the American Geriatrics Society
2010-present Journal of Clinical Oncology
2010-present Journal of Geriatric Oncology
2008-present Journal of the National Cancer Institute
2015-present Leukemia Research
2015-present Leukemia
2015-present Supportive Care in Cancer
2014-present The Oncologist
2014-present Journal of Gerontology
2015-present Blood
2015-present Journal of the American Medical Association
2015-present Journal of Oncology Practice
2010-present Psycho-Oncology
2013-present British Medical Journal
2014-present Journal of the National Comprehensive Cancer Network (JNCCN)

Advisory Boards

2016- 2020 Member, Oncologic Drugs Advisory Committee of the Food and Drug
Administration (FDA)

Symposium Organizer

- 5/31/14 Co-Chair, Extended Education Session: "Developing a Geriatric Oncology Presence at Your Academic Institution or Community-Based Practice" 2014 American Society of Clinical Oncology (ASCO) Annual Meeting Chicago, IL
- 12/05/14 Chair, Scientific Workshop 56th ASH Annual Meeting & Exposition "Hematology and Aging: Highlighting Novel Science and Developing a Research Agenda" San Francisco, CA
- 12/4/15 Chair, Scientific Workshop 57th Annual ASH Meeting and Exposition "Hematology and Aging: Highlighting Novel Science and Developing a Research Agenda" Orlando, FL
- 6/4/16 Chair, Extended Education Session: Individualizing Care for Older Adults Across the Cancer Care Continuum: Emerging Evidence and Collective Wisdom 2016 American Society of Clinical Oncology Annual Meeting Chicago, IL
- 12/2/16 Co-Chair, Scientific Workshop 58th Annual ASH Meeting and Exposition "Hematology and Aging: Highlighting Novel Science and Developing a Research Agenda" San Diego, CA
- 6/22/18 Co-Chair, FDA/ASCO Public Workshop Clinical Outcomes Assessment in Clinical Trials. FDA, White Oaks Campus Silver Springs, MD

PROFESSIONAL MEMBERSHIPS AND SERVICE

Extramural Committee Service:

- 2008-present Member, Cancer in the Elderly Subcommittee of the Alliance for Clinical Trials in Oncology (Alliance)
- 2010-2015 Quality of Life Liaison, National Cancer Institute (NCI) Leukemia Steering Committee
- 2012-2015 Member, ASCO Professional Development Committee
- 2013-2014 Chair, ASCO Lifelong Learning Subcommittee
- 2014-present Member, Health Outcomes Subcommittee, Alliance for Clinical Trials in Oncology Cooperative Group
- 2015-2018 Member, American Society of Hematology (ASH) Educational Affairs Committee
- 2015-2018 Member, ASCO Cancer Research Committee
- 2016-2017 Liaison, ASCO Cancer Education Committee
- 2016-2017 Track Leader of the Geriatric Oncology Track, ASCO Cancer Education Committee
- 2016-2019 Member, Oncologic Drugs Advisory Committee (ODAC) of the Food and Drug Administration (FDA)
- 2016-2017 Member, ASCO Guideline Panel on Evaluation and Management of Vulnerabilities in Older Patients Undergoing Cancer Treatment

2017-present	Member, ASCO Disparities in Older Adult Working Group
2017-2018	Chair Elect, ASCO Clinical Research Committee
2018-2019	Chair, ASCO Cancer Research Committee
2018-present	Representative, NCI Cancer Care Delivery Research Steering Committee (CCDR SC)
2018-present	Member, ASCO Geriatric Oncology Working Group, Health Equity Committee
2019-2021	Member, ASH Scientific Affairs Committee

Extramural Appointments and Activities:

2007-present	Member, Cancer and Aging Research Group
2009-2012	Contributing Faculty Member, Cancer in the Elderly Section Faculty of 1000
2011-2018	Member, ASCO Geriatric Oncology Special Interest Group
2011, 2012	American Geriatrics Society Abstract Reviewer
2014-2015	Participant, ASCO Leadership Development Program
2014-present	Associate Editor, Journal of Geriatric Oncology
2014-present	Contributor, Uptodate
2015	Track Leader, International Society of Geriatric Oncology (SIOG) Annual Meeting, Haematological malignancies in the elderly.
2015	ASH Abstract Reviewer, Health Services Research
2015-2018	Health Care Systems Research Network and the Claude D. Pepper Older Americans Independence Centers (HCSRN-OAICs) Aging Initiative Working Group
2015-present	Institutional Principal Investigator for the Alliance for Clinical Trials in Oncology Cooperative Group
2015-present	Member, Board of Directors Alliance for Clinical Trials in Oncology
2016	Participant, ASCO Research Summit
2017-2018	Steering Committee Member, ASH Acute Myeloid Leukemia MATTERS (Multidisciplinary Approach to Testing and Diagnosis, Evaluation of Risk, and Personalized Treatment Selection)
2017, 2018	ASCO Annual Meeting Abstract Reviewer, Patient and Survivor Care
2016-2017	ASH Education Affairs Committee Working Group Leader, Practice-based Learning and Improvement
2017-2019	ASH Maintenance of Certification Working Group
2019-2024	External Advisory Board Member, UNC Geriatric Oncology Program, T32 Grant
2018-present	Member, Board of Trustees Alliance for Clinical Trials in Oncology
2018-2019	Guest Editor, Journal of the American Geriatrics Society (JAGS), Mini-Issue on Geriatric Oncology, May 2019, vol 67, Issue 5

Professional Memberships:

2001-2016	American Geriatrics Society
2003-present	Piedmont Oncology Association
2003-present	American Society of Hematology
2003-present	American Society of Clinical Oncology
2005-present	International Society of Geriatric Oncology

HONORS AND AWARDS

1994	Medical University of South Carolina Alumni Scholarship
1997	Honors, Family Medicine Core Clerkship, Medical University of South Carolina

2002	American Medical Directors Futures Fellow
2006-2010	Fellow, Claude D. Pepper Older Americans Independence Center Research Career Development Core
2008-2011	T. Franklin Williams Award Scholar
2012	Centers of Excellence in Geriatric Medicine Scholar John A. Hartford Foundation and the American Federation for Aging Research
2011-2015	Paul B. Beeson Scholar
2013	Dr. John Owen Teaching Award, awarded by the Hematology/Oncology Fellows
2015	Nominated for Best Doctors in America
2017	Nominated for Best Doctors in America
2018	Wake Forest CTSI Mentor Academy

GRANT FUNDING

Currently Active Grants

Chronic Disease Research Fund (PI Tallant and Gallagher, **Klepin, CO-I**) 2/1/15-1/31/21
“Effect of Muscadine Grape Extract (MGE) on Breast and Prostate Cancer”

The major goals of this project are to investigate the effects of muscadine grape extract on prevention and treatment of breast and prostate cancer. This project includes a Phase 1 trial (Klepin Co-PI) in metastatic solid tumors and a Phase 2 trial investigating the effect of MGE on fatigue among women with triple negative breast cancer (Klepin PI).

5UG1CA189824 (PI Lesser, **Klepin, Executive Steering Committee Member**)

NCI 8/1/15-7/31/19
“WF NCORP Research Base” 2,332,090

Major Goals: This grant funds the Clinical Trials infrastructure which allows Wake Forest investigators to develop cancer prevention and control clinical trials as well as cancer care delivery research efforts for the NCI-funded NCORP community sites in our network. Wake Forest is one of only two Cancer Center NCORP Research Bases nationally.

NCI R01CA199167-01 (PI Hundley, **Klepin, CO-I**) 9/1/15-8/31/20
\$425,282

“Understanding and predicting fatigue, CV decline and events after breast CA treatment” This multi-center study will fully characterize the time course of Adj-C cardiotoxicity and identify factors that promote subclinical CV dysfunction, exercise intolerance, fatigue, and subsequent CV events among women of different ages and races/ethnicities, ultimately informing future therapies and risk factor prediction models to prevent CV events and thereby improve overall breast cancer-related survival.

Dresner Foundation Grant (PI Abel, **Klepin CO-I**) 11/1/2017-10/31/19
\$51,000

“A New Paradigm of Transfusion Support with Patients with Myelodysplastic Syndromes”
This study will use qualitative and quantitative methods to develop a quality of life guided transfusion support protocol for adults with myelodysplastic syndrome.

R21/R33 Grant (PI Hurria, **Klepin Consultant**) 04/1/2018-03/31/2023
3,007,377

“Geriatric Oncology Research Infrastructure to Improve Clinical Care”
This grant provides infrastructure support to the Cancer and Aging Research Group to support acceleration of innovative interdisciplinary research at the cancer and aging interface.

P30 AG021332 (PI Kritchevsky, **Klepin CO-lead Research Education Core**)

NIH/NIA	07/1/2018–06/30/2023
Wake Forest School of Medicine Claude D. Pepper Older Americans Independence Center	\$824,942
The major goals of this project are the developing, testing and dissemination of effective therapies for the treatment and prevention of physical disability in later life, and training the next generation of leaders in geriatrics research.	
NCI R01 (PI Weaver, Klepin CO-I)	04/01/2018-03/31/2023
	\$593,374
“Assessing the efficacy and implementation of an EHR tool to assess heart health among survivors”	
This study will assess the impact of an EHR based cardiovascular risk tool to address cardiovascular health for cancer survivors.	

Past Grant History

P30 AG21332 (Kritchevsky, PI: **Klepin, Research Career Development Core Fellow**)
11/1/06-10/31/09
Claude D. Pepper Older Americans Independence Center
\$1,371,726
The Wake Forest University School of Medicine Pepper Center focuses on research involved in the development, testing and dissemination of effective therapies for treatment and prevention of disability from chronic disease in older adults. Dr. Klepin's research interest in the relationship between physical function and cancer therapy in older adults has been supported since November 2006 and a formal mentoring team fosters her development as an independent investigator.

Wake Forest University Cross Campus Pilot Grant, (**Klepin, Co-PI**) 4/11/07-12/31/08
\$20,000
"A Feasibility Study of a Physical Activity Intervention in Older Adult In-patients with Acute Leukemia"
Purpose: The Cross Campus Pilot Grant mechanism fosters interdisciplinary research collaboration between multiple principal investigators, to support future external grant applications. The goal of this study is to demonstrate the feasibility of conducting a randomized clinical trial to test the effectiveness of a physical activity intervention for older adult patients with acute leukemia who are undergoing induction or reinduction chemotherapy on physical and psychological health.

Wake Forest University Intramural Grant (**Klepin, PI**) 6/13/07-6/30/08
\$5,335
"Inpatient Functional and Cognitive Assessment in Older Adults with Acute Myelogenous Leukemia"
Purpose: This intramural grant provides pilot funds to support future external grant applications. The goal of this study is to demonstrate feasibility of conducting bedside assessment of cognition and physical function (self-report and objective physical performance) on older adults with newly diagnosed acute myelogenous leukemia prior to induction chemotherapy.

American Cancer Society Grant (Foley PI, **Klepin, Co-I**) 3/1/08-12/31/08
\$228,504
"Colon Cancer Treatment, Surveillance, and Survival among the Poor"
Purpose: In this study we aim to describe patient, health services, and community characteristics associated with treatment and recurrence surveillance in poor individuals diagnosed with colon cancer, and to describe the impact of treatment and recurrence on survival in the same population.

American Society of Hematology (ASH) ASP-ASH Junior Faculty Scholar Award in
Clinical/Translational Research (**Klepin, PI**) 7/1/08-6/30/11
\$150,000

"Investigating the Relationship between Physical Function, Comorbidity, Cytogenetic Risk Group and Prognosis in Older Adults with Acute Myelogenous Leukemia"

Purpose: This career development grant provides salary support and funds for implementation of a 2-3 year project. The goal of this project is to investigate the predictive value of pretreatment self-report physical function and objective performance assessment on treatment related mortality in older adults with acute leukemia and to evaluate interactions between cytogenetic risk groups and physical function.

Comprehensive Cancer Center of Wake Forest University/ Pepper Center Joint Pilot Grant
(**Klepin, PI**) 7/1/10-6/30/11
\$20,000

"Systemic inflammation, functional decline and treatment outcomes among older adults receiving chemotherapy for acute myelogenous leukemia (AML)"

The purpose of this study is to investigate the relationship between systemic biomarkers of inflammation, treatment associated physical disability, and response to therapy for older adults receiving induction chemotherapy for AML.

R01 AG037037-01A1 (Hurria, P.I. **Klepin, Co-I**): 8/1/2011-4/30/2017
NIH/NCI

Clinical and Biological Predictors of Chemotherapy Toxicity in Older Adults

Major Goals: The goal of the proposed research is to develop a predictive model for adjuvant chemotherapy tolerance among older breast cancer patients utilizing pretreatment geriatric assessment and biomarkers associated with frailty.

The Hartford Foundation Center of Excellence at Wake Forest University (Williamson PI, **Klepin, Hartford Scholar**) 7/1/11-9/1/11

Sponsor: Hartford Foundation \$ 70,000

Major Goals: The Hartford Foundation Center of Excellence at Wake Forest University is a comprehensive plan to strengthen the geriatrics education and training at all levels of learning. The focus of the proposal is to heighten interest in geriatrics and to develop a cadre of academic junior faculty with clinical and research skills.

1K23AG038361 (**Klepin, PI**) 9/1/2011-8/31/2015
NIA/NIH/AFAR \$ 679,183

Paul B. Beeson Patient-Oriented Research Career Development Award in Aging

"Minimizing Physical Function Decline in Older Adults Receiving Chemotherapy"

Major Goals: The goals of this career development award are to: 1) Develop expertise in the measurement of physical function in older cancer patients, 2) Develop expertise and experience in the design and execution of randomized physical activity interventions in older cancer patients, and 3) Develop leadership and independence as a clinician researcher in geriatric oncology.

Gabrielle's Angel Foundation for Cancer Research (**Klepin, PI**) 1/1/2012-12/31/14
Integrative Medicine Award \$202,500

"Minimizing Physical Function Decline in Older Adults Receiving Chemotherapy"

Major Goals: This ancillary grant to the K23 project provides resources to perform the randomized exercise intervention among older adults with leukemia and rapidly disseminate results.

Peer-Reviewed Publications

1. Mendonca, VM, **Klepin HD**, Matson S. DNA helicases in recombination and repair: Construction of a *uvrDhelDrecQ* mutant deficient in recombination and repair. *J Bacteriol* 1995;177:1326-1335.
2. Hurria A, Balducci L, Naeim A, Gross C, Mohile S, **Klepin H**, Tew W, Downey L, Gajra A, Owusu C, Sanati H, Suh T, Figlin R. Mentoring junior faculty in geriatric oncology: Report from the Cancer and Aging Research Group. *J Clin Oncol* 2008;26:3125-3127.
3. Hartmann EL, Kitzman D, Rocco M, Leng X, **Klepin H**, Gordon M, Rejeski J, Berry M, Kritchevsky S. Physical function in older candidates for renal transplantation: An impaired population. *Clin J Am Soc Nephrol* 2009;4:588-594.
4. **Klepin HD**, Balducci L. Acute myelogenous leukemia in older adults. *Oncologist* 2009;14:222-232.
5. **Klepin H**, Mohile S, Hurria A. Geriatric assessment in older patients with breast cancer. *J Natl Compr Canc Netw* 2009;7:226-236.
6. **Klepin HD**, Geiger AM, Tooze JA, Newman AB, Colbert LH, Bauer DC, Satterfield S, Pavon J, Kritchevsky SB. Physical performance and subsequent disability and survival in older adults with malignancy: Results from the Health Aging and Body Composition Study. *J Am Geriatr Soc* 2010;58:7682.
7. **Klepin HD**, Danhauer SC, Tooze JA, Stott K, Daley K, Vishnevsky V, Powell BL, Mihalko SL. Exercise for older adult inpatients with acute myelogenous leukemia: A pilot study. *J Geriatr Oncol* 2011;2:11-17.
8. Foley KL, Tooze JA, **Klepin HD**, Song EY, Geiger, AM. Adjuvant chemotherapy among Medicaid-enrolled patients diagnosed with non-metastatic colon cancer. *Am J Clin Oncol* 2011;34:120-4.
9. Horton JK, Gleason JF, **Klepin HD**, Isom S, Fried DB, Geiger AM. Age-related disparities in the use of radiotherapy for treatment of localized soft tissue sarcoma. *Cancer* 2011;117:4033-40.
10. Hurria A, Togawa K, Mohile SG, Owusu C, **Klepin HD**, Gross C, Lichtman SM, Gajra A, Bhatia S, Katheria V, Klapper S, Hansen K, Ramani R, Lachs M, Wong FL, and Tew WP. Predicting chemotherapy toxicity in older adults with cancer: A prospective multicenter study. *J Clin Oncol* 2011;29:3457-65.
11. **Klepin HD**, Geiger AM, Tooze JA, Kritchevsky SB, Williamson JD, Ellis LR, Levitan D, Pardee TS, Isom S, Powell BL. The feasibility of inpatient geriatric assessment for older adults receiving induction chemotherapy for acute myelogenous leukemia. *J Am Geriatr Soc* 2011;59:1837-46.
12. Foley KL, Song EY, **Klepin HD**, Geiger, AM, Tooze JA. Screening colonoscopy among colorectal cancer survivors insured by Medicaid. *Am J Clin Oncol* 2012;35:205-11.
13. Maggiore RJ, Gross CP, Togawa K, Tew WP, Mohile SG, Owusu C, **Klepin HD**, Lichtman SM, Gajra A, Ramani R, Katheria V, Klapper SM, Hansen K, Hurria A, on behalf of the Cancer and Aging Research Group (CARG). Use of complementary medications among older adults with cancer. *Cancer* 2012;118:4815-4823.
14. Alibhai SM, O'Neill S, Fisher-Schlombs K, Breunis H, Brandwein JM, Timilshina N, Tomlinson GA, **Klepin HD**, Culos-Reed SN. A clinical trial of supervised exercise for adult inpatients with acute myeloid leukemia (AML) undergoing induction chemotherapy. *Leuk Res* 2012;36:1255-61.
15. Mohile SG, **Klepin HD**, Rao AV. Considerations and controversies in the management of older patients with advanced cancers. American Society of Clinical Oncology Educational Book; 2012:321-328.

16. Mohile S, Hardt M, Tew W, Owusu C, **Klepin H**, Gross C, Gajra A, Lichtman S, Feng T, Togawa K, Ramani R, Katheria V, Hansen K, Hurria A. On Behalf of the Cancer and Aging Research Group. Toxicity of Bevacizumab in Combination with Chemotherapy in Older Patients. *Oncologist* 2013, 18(4):408-14.
17. **Klepin HD**, Geiger AM, Tooze JA, Kritchevsky SB, Williamson JD, Pardee TS, Ellis LR, Powell BL. Geriatric assessment predicts survival for older adults receiving induction chemotherapy for acute myelogenous leukemia. *Blood* 2013, May 23;121(21):4287-94.
18. Won E, Hurria A, Feng T, Mohile S, Owusu C, **Klepin HD**, Gross C, Lichtman S, Gajra A, Tew W on behalf of the Cancer and Aging Research Group (CARG). CA125 Level Association with Chemotherapy Toxicity and Functional Status in Older Women with Ovarian Cancer. *Int J Gynecol Oncol*, 2013, Jul;23(6): 1022-8.
19. Tawfik B, Sliesoraitis S, Lyster L, **Klepin HD**, Lawrence L, Isom S, Ellis LR, Manuel M, Dralle S, Berenzon D, Powell BL, Pardee T. Efficacy of the Hypomethylating Agents as Frontline, Salvage or Consolidation Therapy in Adults with Acute Myeloid Leukemia (AML). *Annals of Hematology* 2014 Jan;93(1):47-55. doi: 10.1007/s00277-013-1940-9. Epub 2013 Oct 23.
20. Murphy RA, Bureyko TF, Newman AB, Cauley JA, Satterfield S, Hue TF, **Klepin HD**, Miljkovic I, Cummings SR, Harris TB for the Health, Aging, and Body Composition Study. Association of total adiposity and computed tomographic measures of regional adiposity with incident cancer risk: a prospective population-based study of older adults, in *Applied Physiology, Nutrition, and Metabolism*, 2014 Jun;39(6):687-92. doi:10.1139/apnm-2013-0360. Epub 2013 Dec. 4.
21. **Klepin HD**; Tooze J; Song EY; Geiger AM; Foley KL. Age-related treatment disparities among Medicaid beneficiaries with metastatic colorectal cancer. *Journal of Gerontology and Geriatric Research* 2013, Dec 1;2(4):134.
22. **Klepin HD**, Rizzieri D, Palumbo A, Magarotto V, Eichhorst B. Individualizing Treatment Decisions for Older Adults with Hematologic Malignancies. American Society of Clinical Oncology Educational Book; 2013: 208-19.
23. **Klepin HD**, Geiger AM, Bandos H, Costantino JP, Rapp S, Sink KM, Lawrence JA, Atkinson HH, Espeland MA. Cognitive factors associated with adherence to oral anti-estrogen therapy: Results from the Cognition in the Study of Tamoxifen and Raloxifene (Co-STAR) Study. *Cancer Prevention Research* 2014 Jan;7(1):161-8. doi: 10.1158/1940-6207.CAPR-13-0165. Epub 2013 Nov 19.
24. Maggiore RJ, Dale W, Gross CP, Feng T, Tew WP, Mohile SG, Owusu C, **Klepin HD**, Lichtman SM, Gajra A, Ramani R, Katheria V, Zavala L, Hurria A, on behalf of the Cancer and Aging Research Group (CARG). Polypharmacy among Older Adults with Cancer Undergoing Chemotherapy: Impact on Chemotherapy-Related Toxicity and Hospitalization During Treatment. *Journal of the American Geriatrics Society* 2014 Aug; 62(8): 1505-12. doi: 10.1111/jgs. 12942. Epub 2014 Jul 15.
25. **Klepin, HD**, Brandelyn NP, Ballman KV, Kornblith AB, Hurria A, Winer EP, MD4; Hudis C, Cohen HJ, Muss HB, Kimmick GG, for the Alliance for Clinical Trials in Oncology. Comorbidity, Chemotherapy Toxicity, and Outcomes Among Older Women Receiving Adjuvant Chemotherapy for Breast Cancer on a Clinical Trial: CALGB 49907 and CALGB 361004 (Alliance). *Journal of Oncology Practice* 2014 Sep 10(5):e285-92. Doi: 10.1200/JOP.2014.001388. Epub 2014 Jul 29. PMID: 25074878.
26. Elliot K, A. Tooze JA, Geller R, Powell BL, Pardee TS, MD, Ritchie E, Kennedy L, Callahan KE, **Klepin HD**. The prognostic importance of polypharmacy in older adults treated for acute myelogenous leukemia (AML). *Leukemia Research* 2014 Oct;38(10):1184-90. Doi: 10. 1016/j.leukres.2014.06.018. Epub 2014 Jul 7.

27. Weiss T, Nelson C, Tew W, Hardt M, Mohile S, Owusu C, **Klepin HD**, Gross G, Gajra A, Lichtman S, Ramani R, Katheria V, Zavala L, Hurria A. The Relationship among Age, Anxiety, and Depression in Older Adults with Cancer. *Psycho-Oncology* 2014 Aug 6. doi: 10.1002/pon.3638.
28. **Klepin HD**, Rao A, Pardee TS. Acute myeloid leukemia and myelodysplastic syndromes in older adults. *Journal of Clinical Oncology*, 2014 Aug 20;32(24): 2541-52.
29. Garja A, **Klepin HD**, Feng T, Tew W, Mohile S, Owusu C, Gross C, Lichtman S, Wildes T, Chapman A, Dotan E. Predictors of Chemotherapy Dose Reduction at First Cycle in Patients Age 65 years and Older. *Journal of Geriatric Oncology* 2015 Feb 6. Epub ahead of print.
30. Ahmed T, Holwerda S, **Klepin HD**, Isom, Ellis LR, Lysterly S, Manuel M, Dralle S, Berenzon D, Powell BL, Pardee TS. High dose cytarabine, mitoxantrone and L-asparaginase (HAMA) salvage for relapsed or refractory acute myeloid leukemia (AML) in the elderly. *Leuk Res.*2015 Sep;39(9):945-9. doi:10.1016/j.leukres.2015.05.10. PMID: 26154683
31. Owusu C, Cohen H, Feng T, Tew W, Mohile S, **Klepin H**, Gross C, Gajra A., Lichtman S, and Hurria A. Anemia and functional disability in older adults with cancer. *J Natl Compr Canc Netw.* 2015 Oct; 13(10):1233-9. PMID: 26483063.
32. **Klepin HD**, Rodin M, Hurria A. Treating Older Adults with Cancer: Geriatric Perspectives. American Society of Clinical Oncology Educational Book. 2015; 35; 544-52.
33. Izano M, Wei E, Tai C, Gregorich S, Harris TB, **Klepin H**, Swede H, Satterfield S, Murphy R, Newmann AB, Rubin S, Braithwaite D. Chronic Inflammation and Risk of Colorectal and Other Obesity-Related Cancers: the Health, Aging and Body Composition Cohort Study. *International J of Cancer.* 2016 Mar 1;138(5):1118-28. doi: 10.1002/ijc.29868 Epub 2015 Oct 19. PMID:26413860
34. Weaver K, Leach C, Leng X, Danhauer S, **Klepin HD**, Vaughan L, Naughton M, Chlebowski R, Vitolins MZ, Paskett E. Physical Functioning among Women 80 Years of Age and Older With and Without a Cancer History. *Journal of Gerontology Medical Sciences* 2016 Mar: 71 Suppl 1:S23-30.
35. Whitlock M, Yeboah J, Burke G, Chen H, **Klepin HD**, Tracy R, Hundley G. Cancer and its association with the development of coronary artery calcification: An assessment from the Multi-Ethnic Study of Atherosclerosis. *J Am Heart Assoc.* 2015 Nov 9;4(11). doi: 10.1161/JAHA.115.002533. PMID: 26553214
36. Tawfik B, Pardee T, Isom S, Sliesoraitis S, Winter A, Lawrence J, Powell BL, and **Klepin HD**. Comorbidity, age and mortality among adults treated intensively for acute myeloid leukemia (AML). *J Geriatr Oncol.* 2016 Jan; 7(1):24-31. Doi:10.1016/j.jgo.2015.10.182. Epub ahead of print. PMID:26527394
37. Sparling AS, Song E, **Klepin HD**, Foley KL. Is Distance to Chemotherapy an Obstacle to Adjuvant Care among the N.C. Medicaid-Enrolled Colon Cancer Patients? *J Gastrointestinal Oncology.* 2016 June, Vol 7, No 3.
38. Hurria A, Mohile S, Gajra A, **Klepin H**, Muss H, Chapman A, Feng T, Smith D, Sun C, De Glas N, Cohen H, Katheria V, Doan C, Zavala L, Levi A, Akiba C, Tew W, on behalf of the Cancer and Aging Research Group. Validation of a Prediction Tool for Chemotherapy Toxicity in Older Adults with Cancer. *J. Clin Oncol.* 2016 Jul 10;34(20):2366-71. doi: 10.1200/JCO.2015.65.4327.
39. Kilari D, Soto C, Mohile S.G., Demark-Wahnefried W , Presley C, Wildes T, **Klepin HD**, Alibhai S, Jatoui A, Harrison R, Won E, Mustian K. Designing Exercise Clinical Trials for Older Adults with Cancer: Recommendations from 2015 Cancer and Aging Research Group NCI U13 Meeting. *J Geriatr Oncol.* 2016 May 31. pii: s1879-4068(16)30033-9. doi: 10.1016/j.jgo.2016.04.007. PMID: 27197916

40. Presley C, E. Dotan E, Soto E, Jatoi A, Mohile S.G, Won E, Alibhai S, Kilarih D, Harrison R, **Klepin HD**, Wildes T.M., Mustian K, Demark-Wahnefried W. Research Gaps in Nutritional Assessment and Interventions among Older Adults with Cancer. *J Geriatr Oncol*. 2016 May 5. pii: S1879-4068(16)300327. doi: 10.1016/j.jgo.2016.04.006. PMID: 27197919
41. Hurria A, High KP, Mody L, Horne FM, Escobedo M, Halter J, Hazzard W, Schmader K, **Klepin HD**, Lee S, Makris UE, Rich MW, Rogers S, Wiggins J, Watman R, Choi J, Lundebjerg N, Zieman S. Aging, the Medical Subspecialties, and Career Development: Where We Were, Where We Are Going. *J Am Geriatr Soc*. 2017 Jan 16. doi: 10.1111/jgs.14708
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Invited Publications (Editorially Reviewed)

1. **Klepin HD**, McMullen KP, Lesser GL. Esthesioneuroblastoma. *Curr Treat Options Oncol* 2005;6:509518.
2. **Klepin HD**, Hurd DD. Autologous transplantation in elderly patients with multiple myeloma: Are we asking the right questions? *Bone Marrow Transplant* 2006; 38:585-92.
3. Baer MR, **Klepin HD**, Artz AS. Acute leukemia in older adults: Are we treating too much or too little? In: Govindan R, ed. *American Society of Clinical Oncology Educational Book*. 44th Annual Meeting. Alexandria (VA): ASCO; 2008: 216-223.
4. **Klepin HD**, Powell BL. White cell disorders. In: Halter JB, Ouslander JG, Tinetti ME, Studenski S, High KP, Asthana S, Hazzard WR, Wollard NF, eds. *Hazzard's geriatric medicine and gerontology*. 6th ed. New York: McGraw Hill Medical; 2009:1215-1227. Updated 2015.
5. **Klepin, HD**, Hurd DD. The role of allogeneic transplantation for multiple myeloma in older adults. In: Laughlin MJ, Lazarus HM, eds. *Allogeneic stem cell transplantation*. 2nd ed. Totowa (NJ): Humana Press; 2009:127-142. (Contemporary hematology).
6. **Klepin HD**, Powell BL. Management of myelodysplasia in older adults. In: Hurria A, Cohen HJ, eds. *Practical geriatric oncology*. New York: Cambridge University Press;2010:221-229.
7. **Klepin HD**, Powell BL. Management of myelodysplastic syndromes and acute leukemia in the elderly. *Pathy's principles and practice of geriatric medicine*, 5th ed. West Sussex: Wiley-Blackwell; 2012:375385.
8. **Klepin HD**, Mohile S, Mihalko M. Exercise for older cancer patients: Feasible and helpful? In: Extermann M, ed. *Cancer and aging. From bench to the clinics*. Karger; 2013.

9. **Klepin HD**, Pardee TS. Acute myeloid leukemia. In: Wedding U, Audisio R, eds. Management of hematological cancer in older people. New York: Springer; 2013.
10. **Klepin HD**. Geriatric perspective: How to assess fitness for chemotherapy in acute leukemia. American Society of Hematology Educational Program. 2014 Dec 5; 2014 (1): 8-13.
11. Larson RA, **Klepin HD**. Pretreatment evaluation and prognosis of acute myeloid leukemia in older adults. In: Connor RF, ed. www.uptodate.com 2013.
12. **Klepin HD**. Cancer in gerontological context. *J Gerontol A Biol Sci Med Sci*. 2015 Jun; 70(6):699-700. doi; 10.1093/gerona/glv024. Epub 2015 Apr. 7. PMID: 28582091.
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14. **Klepin HD**. Are We Falling Short? Incorporating Falls Assessment Into Cancer Care for Older Adults. *J Oncol Pract*. 2015 Nov;11(6):475-7. doi: 10.1200/JOP.2015.006684. Epub 2015 Sep 22.
15. **Klepin HD**. Definition of Unfit for Standard Acute Myeloid Leukemia Therapy. *Curr Hematol Malig Rep*. 2016 Sept. 28. PMID: 27681539
16. **Klepin, HD**. Minimizing Frailty in Cancer Survivors: A Meaningful Goal for All Ages. Podcast. *Journal of Clinical Oncology* 2016.
17. Rosko A, Wildes T, Olin R, Stauder Rn, Artz A, **Klepin HD**. A Call to Action in Hematologic Disorders: A Report from the ASH Scientific Workshop on Hematology and Aging Journal. *Journal of Geriatric Oncology*. 2018 Jul;9(4):287-290. doi: 10.1016/j.jgo.2018.04.006. Epub 2018 May 16
18. **Klepin HD**, Wildes TM. Fighting for the integration of geriatric principles into oncology. *Journal of Geriatric Oncology*. 2018 Jun 3. pii: S1879-4068(18)30217-0. doi: 10.1016/j.jgo.2018.05.013. [Epub ahead of print]
19. Pal SK, Miller MJ, Agarwal N, Chang SM, Chavez-MacGregor M, Cohen E, Cole S, Dale W, Magid Diefenbach CS, Disis ML, Dreicer R, Graham DL, Henry NL, Jones J, Keedy V, **Klepin HD**, Markham MJ, Mittendorf EA, Rodriguez-Galindo C, Sabel MS, Schilsky RL, Sznol M, Tap WD, Westin SN, Johnson BE. 1. Clinical Cancer Advances 2019: Annual Report on Progress Against Cancer From the American Society of Clinical Oncology. *J Clin Oncol*. 2019 Jan 31;JCO1802037. doi: 10.1200/JCO.18.02037. Epub 2019 Jan 31. PMID: 30702028.
20. Loh KP, Pardee TS, **Klepin HD**. Acute Myeloid Leukemia in Older Adults. Springer Nature Switzerland AG 2019 M. Extermann (e.d.), *Geriatric Oncology*, https://doi.org/10.1007/978-3-319-44870-1_42-1
21. **Klepin HD**, Wildes TM. Geriatric Oncology: Getting Even Better with Age. *J Am Geriatr Soc*. 2019 May;67(5):871-872. doi: 10.1111/jgs.15947. Epub 2019 Apr 22.
22. **Klepin HD**, Estey E, Kadia T. More Versus Less Therapy for Older Adults with Acute Myeloid Leukemia: New Perspectives on an Old Debate. *Am Soc Clin Oncol Educ Book*. 2019 Jan; 39:421-432. Doi: 10.1200/EDBK_239097. Epub 2019 May 17.

Books

1. Section Editor, *Geriatric Oncology*, Springer (2018-2019)

Miscellaneous Publications

1. **Klepin, HD**, Wagle E, Gotay C. HemOnc Today. October 25, 2017. Healio.com/HemOnc. Point/Counter. Are patient-reported outcomes data sufficient to safely reduce face-to-face oncology visits?
2. Loh KP, **Klepin H**. Incorporating Physical Function and Cognition Into Mortality Risk Assessment for Acute Myeloid Leukemia JAMA Oncol. 2018 May 17. doi: 10.1001/jamaoncol.2018.0674. [Epub ahead of print] No abstract available.
3. Gajra A, Loh KP, Hurria A, Muss H, Maggiore R, Dale W, **Klepin HD**, Magnuson A, Lichtman SM, Williams GR, Shahrokhni A, Mohile SG. Comprehensive Geriatric Assessment-Guided Therapy Does Improve Outcomes of Older Patients With Advanced Lung Cancer. *J Clin Oncol*. 2016 Aug 22. pii: JCO675926. [Epub ahead of print]

PRESENTATIONS AT PROFESSIONAL MEETINGS

1. Atkinson HH, **Klepin HD**, Haber M. Challenges of subacute care for clinical geriatrics fellows. 2002 American Geriatrics Society Annual Meeting, May 8-12, Washington, DC.
2. **Klepin HD**, Harish VC, Lovato J, Keung YK, Hurd DD. Transplant related mortality in older adults undergoing autologous stem cell transplantation. 2006 American Geriatrics Society Annual Meeting, May 3-7, Chicago, IL.
3. **Klepin HD**, Harish VC, Lovato J, Keung Y, Owen J, Hurd DD. Predictors of autologous stem cell transplant related mortality in older adults. 2006 American Society of Clinical Oncology Annual Meeting, June 2-6, Atlanta, GA.
4. **Klepin HD**, Geiger AM, Tooze J, Newman AB, Colbert LH, Bauer DC, Satterfield S, Pavon J, Kritchevsky S. Physical performance measures predict survival in older cancer patients: The Health Aging and Body Composition Study (Health ABC). 2008 American Geriatrics Society Annual Meeting, April 30-May 4, Washington, DC.
5. **Klepin HD**, Geiger AM, Tooze J, Newman AB, Colbert LH, Bauer DC, Satterfield S, Pavon J, Kritchevsky S. Physical performance measures and progression to major disability or death in older cancer patients: The Health Aging and Body Composition Study (Health ABC). 2008 American Society of Clinical Oncology Annual Meeting, May 30-June 3, Chicago, IL.
6. **Klepin HD**, Ellis LR, Levitan DL, Tooze J, Powell BL. Feasibility of inpatient geriatric assessment for older adults with acute myelogenous leukemia. 2009 American Geriatrics Society Annual Meeting, April 30-May 3, Chicago, IL.
7. **Klepin HD**, Song EY, Geiger AM, Tooze JA, Foley KL. Influence of age on receipt of chemotherapy for adult Medicaid beneficiaries with metastatic colorectal cancer. 2009 American Society of Clinical Oncology Annual Meeting, May 28-June 2, Orlando, FL.
8. Hurria A, Mohile S, Lichtman S, Owusu C, **Klepin H**, Gross C, Hansen K, Klapper S, Togawa K, Tew W. Geriatric assessment of older adults with cancer: Baseline data from a 500 patient multi-center study. 2009 American Society of Clinical Oncology Annual Meeting, May 28-June 2, Orlando, FL.
9. **Klepin HD**, Danhauer SC, Tooze JA, Mihalko SL. A Pilot Study of a Physical Activity Intervention for Older Adult Inpatients with Acute Myelogenous Leukemia. Oral presentation. 2009 International Society of Geriatric Oncology Annual Meeting, October 16-17, Berlin, Germany. *Oral presentation*.

10. **Klepin HD**, Danhauer SC, Tooze JA, Stott KK, Jesse MT, Mihalko SL. Feasibility of a Physical Activity Intervention for Older Adult Inpatients with Acute Leukemia. 2009 Gerontological Society of America Annual Meeting, November 18-22, Atlanta, GA.
11. **Klepin HD**, Geiger AM, Williamson J, Kritchevsky S, Tooze JA, Ellis LR, Levitan D, Isom S, Powell, BL. Inpatient geriatric assessment detects impairment among older adults receiving induction chemotherapy for acute myelogenous leukemia. 2009 American Society of Hematology Annual Meeting, December 4-8, New Orleans, LA.
12. **Klepin HD**, Geiger AM, Costantino JP, Sink KM, Lawrence JA, Espeland MA. Association between domain-specific cognitive function and adherence to oral anti-cancer therapy: Results from Cognition in the Study of Tamoxifen and Raloxifene (Co-STAR). 2010 American Geriatrics Society Meeting, May 12-15, Orlando, FL.
13. Hurria A, Togawa K, Mohile SG, Owusu C, **Klepin HD**, Gross C, Lichtman SM, Katheria , Klapper S, Tew WP, on behalf of the Cancer and Aging Research Group. Predicting chemotherapy toxicity in older adults with cancer: A prospective 500-patient multicenter study. 2010 American Society of Clinical Oncology Annual Meeting, June 4-10, Chicago, IL.
14. **Klepin HD**, Tooze JA, Geiger AM, Williamson J, Kritchevsky S, Ellis LR, Levitan D, Timothy Pardee S, Isom S, Powell, BL. Geriatric assessment predicts overall survival among older adults receiving induction chemotherapy for acute myelogenous leukemia. 2010 American Society of Hematology Annual Meeting, December 3-7, Orlando, FL.
15. Geller R, Tooze JA, Powell BL, **Klepin HD**. The prevalence and prognostic significance of polypharmacy in older adults treated for acute myelogenous leukemia (AML). 2011 American Society of Geriatrics Annual Meeting, May, National Harbor, MD.
16. RJ Maggiore, CP Gross, K Togawa, WP Tew, SG Mohile, **HD Klepin**, SM Lichtman, C Owusu, A Gajra, V Katheria, S Klapper, K Hansen, R Ramani, A Hurria, for the Cancer and Aging Research Group (CARG). Herbal and complementary medication use among older adults with cancer. 2011 American Society of Geriatrics Annual Meeting, May, National Harbor, MD.
17. **Klepin HD**, Gajra A, Hardt M, Tew W, Mohile SG, Owusu C, Gross C, Lichtman SM, Ramani R, Brown J, Katheria V, Jayani R, Hansen K, Togawa K, Klapper S, Hurria A. Cancer and Aging Research Group. Predictors of primary dose reduction (PDR) among patients (pts) age 65 and older receiving adjuvant chemotherapy (chemo). 2011 American Society of Clinical Oncology Annual Meeting, June 3-7, Chicago, IL. *Oral presentation.*
18. Gajra A, Hardt M, Tew W, Mohile SG, Owusu C, **Klepin HD**, Gross C, Lichtman SM, Ramani R, Brown J, Katheria V, Jayani R, Hansen K, Togawa K, Klapper S, Hurria A. Cancer and Aging Research Group. Primary dose reduction (PDR) of chemotherapy (chemo) in patients (pts) older than age 65 with advanced cancer (Ca) and toxicity outcomes. 2011 American Society of Clinical Oncology Annual Meeting, June 3-7, Chicago, IL.
19. Owusu C, **Klepin HD**, Kimmick GG, Sutton L, Brufsky A. Safety and efficacy of single-agent adjuvant trastuzumab in older women with breast cancer. 2011 American Society of Clinical Oncology Annual Meeting, June 3-7, Chicago, IL.
20. Watson GT, Russell GB, **Klepin HD**, Levine EA, Monjazebe A, Mishra G, Blackstock AW, Aklilu M. A comparison of patient characteristics and outcomes in elderly compared to younger patients with esophageal cancer (EC). 2011 American Society of Clinical Oncology Annual Meeting, June 3-7, Chicago, IL.

21. Maggiore RJ, Gross CP, Hardt M, Tew WP, Mohile SG, **Klepin HD**, Lichtman SM, Owusu C, Gajra A, Ramani R, Katheria V, Brown J, Jayani R, Hurria A. Polypharmacy, potentially inappropriate medications, and chemotherapy-related adverse events among older adults with cancer. 2011 American Society of Clinical Oncology Annual Meeting, June 3-7, Chicago, IL.
22. O'Neill S, Fisher-Schlombs K, Breunis H, Culos-Reed SN, **Klepin HD**, Brandwein J, Tomlinson GA, Alibhai SMH. A pilot study of an exercise intervention for AML patients undergoing induction chemotherapy. 2011 American Society of Clinical Oncology Annual Meeting, June 3-7, Chicago, IL.
23. Sparling AS, Song EY, **Klepin HD**, Foley KL. Is distance to provider an obstacle to adjuvant chemotherapy? Evidence from the N.C. Medicaid-enrolled colon cancer patients. 2011 Academy Health Conference, June 12, Seattle, WA.
24. Owusu C, Tew WP, Hardt M, Mohile SG, **Klepin HD**, Gross CP, Gajra A, Lichtman SM, Ramani R, Katheria V, Zavala L, Hurria A. Anemia and functional disability in older adults with cancer. 2012 American Society of Clinical Oncology Annual Meeting, June 1-5, Chicago, IL.
25. **Klepin HD**, Pitcher B, Ballman KV, Kimmick GG, Kornblith AB, Cohen HJ, Hurria A, Winer EP, Hudis C, Muss HB. Comorbidity, chemotherapy toxicity, and outcomes among older women receiving adjuvant chemotherapy for breast cancer (BC). 2012 American Society of Clinical Oncology Annual Meeting, June 1-5, Chicago, IL.
26. Hurria A, Hardt M, Tew WP, Mohile SG, Owusu C, Gross CP, Gajra A, Lichtman SM, Katheria V, Ramani R, Zavala L, **Klepin HD**, on behalf of the Cancer and Aging Research Group (CARG). Factors associated with life expectancy (LE) <3 months (mo) among older adults receiving palliative chemotherapy (chemo). 2012 American Society of Clinical Oncology Annual Meeting, June 1-5, Chicago, IL.
27. Gajra A, Tew WP, Hardt M, Mohile SG, Owusu C, **Klepin HD**, Gross CP, Lichtman SM, Katheria V, Hurria A, on behalf of the Cancer and Aging Research Group (CARG). Predictors of early discontinuation of chemotherapy (EDC) in patients (pts) age 65 or older with stage IV non-small cell lung cancer (NSCLC). 2012 American Society of Clinical Oncology Annual Meeting, June 1-5, Chicago, IL.
28. Weiss T, Nelson CJ, Tew WP, Hardt M, Mohile SG, Owusu C, **Klepin HD**, Gross CP, Gajra A, Lichtman SM, Ramani R, Katheria V, Zavala L, Hurria A, Cancer and Aging Research Group. The relationship among age, anxiety, and depression in older adults with cancer. 2012 American Society of Clinical Oncology Annual Meeting, June 1-5, Chicago, IL.
29. **Klepin HD**, Tooze JA, Pardee TS, Ellis LR, Kritchevsky S, Powell BL. Impact of intensive chemotherapy on physical, cognitive, and emotional health among older adults with acute leukemia. 2012 International Society of Geriatric Oncology Meeting, October 25-27, Manchester, UK.
30. Maggiore RJ, Feng T, Dale W, Gross CP, Tew WP, Mohile SG, Owusu C, **Klepin HD**, Lichtman SM, Gajra A, McKoy JM, Katheria V, Ramani R, Jayani R, Brown J, Hurria A. Measures of polypharmacy and chemotherapy toxicity in older adults with cancer. 2013 American Society of Clinical Oncology Annual Meeting, May 31- June 4, Chicago, IL.
31. Uy GL, Sanford B, Marcucci G, Weiqiang Z, Geyer S, **Klepin HD**, Powell BL, Baer MR, Stock W, Stone RM, Larson RA. Initial results of a phase II trial of sorafenib plus standard induction in older adults with mutant FLT3 acute myeloid leukemia. 55th American Society of Hematology Annual Meeting and Exposition, December 7 – 10, 2013, New Orleans, LA.
32. Tawfik B, Pardee TS, Isom S, Sliesoraitis S, Winter A, Lawrence JA, Powell BL, **Klepin HD**.

Comorbidities, age, and outcomes among intensively treated patients with acute myeloid leukemia (AML). 2014 American Society of Clinical Oncology Annual Meeting, May 30- June 3, Chicago, IL.

33. **Klepin HD**, Ritchie EK, Sanford BL, Marcucci G, Zhao W, Geyer SM, Ballman KV, Powell BL, Baer MR, Stock W, Cohen HJ, Stone RM, Lawson RA, Uy GL. Feasibility of geriatric assessment for older adults with acute myeloid leukemia (AML) receiving intensive chemotherapy on a cooperative trial: CALGB 361006 (Alliance). 2014 American Society of Clinical Oncology Annual Meeting, May 30-June 3, Chicago, IL.
34. Maggiore RJ, Dale W, Buss MK, Hurria A, Chapman AE, Dotan E, **Klepin HD**, Naeim A, Mohile SG. Survey of geriatric oncology (Geri onc) training among hematology/oncology (hem/onc) fellows. 2014 American Society of Clinical Oncology Annual Meeting, May 30-June 3, Chicago, IL.
35. Maggiore RJ, Callahan KA, Parker I, Tooze J, Hus T, **Klepin HD**. Cancer care Training of US Geriatric Medicine Fellows: A survey of geriatrics fellowship program directors. The American Geriatrics Society 2015 Annual Scientific Meeting, May 15-17. National Harbor, MD.
36. Gifford A, Lawrence JA, Case D, Rapp S, Baker L, Craft S, Groteluschen, **Klepin HD**, Lesser G, Naughton MJ, Sachs B, Samuel TA, Sink K, Williamson J, Shaw EG. Mild cognitive impairment (MCI) in chemotherapy-treated breast cancer survivors. 2015 American Society of Clinical Oncology Meeting. May 30- June 1. Chicago IL.
37. Peterson LL, Hurria A, Feng T, Mohile SG, Owusu C, **Klepin HD**, Gross CP, Lichtman SM, Gajra A, Glezerman IG, Katheria V, Zavala L, Smith DD, Tew WP. Association between renal function and chemotherapy-related toxicity in older adults with cancer. 2015 American Society of Clinical Oncology Meeting. May 30 - June 1. Chicago, IL.
38. Wildes T, Tew WP, Maggiore RJ, Edwards BJ, Cohen HJ, Smith David D, Mohile SG, Owusu C, **Klepin HD**, Gross CP, Lichtman SM, Gajra A, Katheria V, Akiba C, Hurria A. Association of geriatric assessment factors with falls in older adults initiating chemotherapy. 2015 American Society of Clinical Oncology Meeting. May 30-June 1. Chicago, IL.
39. Klepin HD, Tooze JA, Nicklas BJ, Kritchevsky SB, Williamson JD, Ellis LR, Powell BL, Pardee TS. Systemic inflammation, geriatric assessment, and treatment outcomes among older adults treated intensively for acute myelogenous leukemia (AML). 2015 International Society of Geriatric Oncology (SIOG) Conference. Nov 2015. Prague, Czech Republic
40. **Klepin HD**, Tooze JA, Pardee TS, Ellis LR, Berenzon D, Howard D, Demark-Wahnefried W, Mihalko S, Rejeski WJ, Powell BL, Kritchevsky S. Feasibility of a Symptom-Adapted Physical Activity Intervention during Induction Chemotherapy for Older Adults with Acute Myeloid Leukemia (AML). 57th Annual ASH Meeting and Exposition. December 5-8, 2015. Orlando, FL.
41. Kimmick G, Pitcher B, Mandelblatt J, Clapp J, Ballman K, Barginear M, Freedman R, Artz A, **Klepin HD**, Lafky J, Hopkins J, Winer E, Hudis C, Muss H, Cohen H, Jatoi A, Hurria A. All-cause survival estimates compared to observed survival in older women with breast cancer in CALGB 49907 and 369901 (Alliance A151503). 2015 San Antonio Breast Cancer Symposium. December 8-12, 2015. San Antonio, TX.
42. **Klepin HD**, Sun C-L, Elias R, Trevino K, Bryant A, Nelson C, Tew WP, Mohile S, Owusu C, Gross C, Garja A, Lichtman SM, Katheria V, Hurria, on behalf of the Cancer and Aging Research Group. Predictors of unplanned hospitalizations among older adults receiving cancer chemotherapy. (10057). 2016 American Society of Clinical Oncology Meeting. June 2-6, 2016. Chicago, IL.

43. Ruiz J, Miller AA, Tooze J, Petty WJ, Garga A, **Klepin HD**. Association of self-reported physical activity with survival among patients with advanced non-small cell lung cancer (NSCLC). (e20664). 2016 American Society of Clinical Oncology Meeting. June 2-6, 2016. Chicago, IL.
44. Vellanki PJ, Kannan KK, Murray M, Tawfik B, Winter A, **Klepin HD**, Ellis LR, Berenzon D, Howard D, Lyerly S, Powell BL, Pardee TS. Retrospective analysis of nadir bone marrow biopsies in predicting need for re-induction therapy in adult acute myeloid leukemia. (e18509) 2016 American Society of Clinical Oncology Meeting. June 2-6, 2016. Chicago, IL.
45. Shahrokni A, Sun C, Tew WP, Mohile SG, Owusu C, **Klepin HD**, Gross CP, Lichtman SM, Garja A, Katheria V, Cohen HJ, Hurria A on behalf of the Cancer & Aging Research Group. (10036) Complex association between social support and chemotherapy-related toxicities in older cancer patients. 2016 American Society of Clinical Oncology Meeting. June 2-6, 2016. Chicago, IL.
46. Saad, M, Tooze JA, Pardee TS, Williamson J, Kritchevsky S, Ellis LR, Powell BL, **Klepin HD**. The Short Physical Performance Battery (SPPB) score predicts survival among older adults with acute myeloid leukemia (AML) who have achieved remission. American Geriatrics Society Annual Meeting. May 18-20, 2017. San Antonio TX.
47. Celis ESP, Sun C, Tew Wp, Mohile SG, Garja A, **Klepin HD**, Owusu C, Gross GP, Muss HM, Lichtman SM, Chapman AE, Cohen HJ, Dale W, Kim H, Katheria V, Hurria A.(10036). Impact of hearing and visual impairment in older adults with cancer. 2017 American Society of Clinical Oncology. June 1-6, 2017. Chicago, IL.
48. Li D, Sun CL, Levi A, **Klepin HD**, Elias R, Mohile SG, Tew W, Lim D, Chung VM, Chao J, Owusu C, Muss HM, Lichtman S, Gross GP, Chapman A, Garja A, Cohen HJ, Katheria V. Risk factors of hospitalizations (HOS) among older adults with gastrointestinal (GI) cancers receiving chemotherapy. 2017 American Society of Clinical Oncology. June 1-6, 2017. Chicago, IL.
49. Kuhlman P, Isom S, Pardee TS, Burns C, Tawfik B, Lamar ZS, Powell BP, **Klepin HD**. Association between glycemic control, age, and outcomes among intensively treated patients with acute myeloid leukemia (AML). 2017 American Society of Clinical Oncology. June 1-6, 2017. Chicago, IL.
50. **Klepin HD**, Campinha-Bacote A, Hong WJ, Phuong P, Wang J, Mobasher M, Trask P. Feasibility and implementation of geriatric assessment measures and patient-reported outcomes in a phase 1 trial for acute myeloid leukemia. 2018 American Society of Clinical Oncology. June 1-5, 2018. Chicago, IL.
51. Bitting RL, Tooze JA, Petty WJ, Grant SC, Desnoyers RJ, Thomas A, Thomas CY, Alistar AT, Golden S, Pleasant K, Tallant A, Gallagher PE, **Klepin HD**. Phase I study of muscadine grape extract in advanced malignancy. 2018 American Society of Clinical Oncology. June 1-5, 2018. Chicago, IL.
52. Kannan KK, Vellanki P, Isom S, Tawfik B, Winter AM, **Klepin HD**, Ellis LR, Bhave RR, Howard D, Manuel M, Dralle S, Lyerly S, Powell BL, Pardee TS. Is there a benefit of re-induction therapy in adult patients with AML with <20% blasts? 2018 American Society of Oncology. June 1-5, 2018. Chicago, IL.
53. Loh KP, Tan JL, McHugh CM, Liesveld JL, O'Dwyer KM, Becker MW, Mendler JH, Aljitiawi OS, **Klepin HD**, Stock W, Wildes T, Artz AS, El-Jawahri A, Majhail NS. Access to Referral Barriers to Autologous and Allogeneic Hematopoietic Cell Transplantation in Adult Patients with Cancer: A Systematic Review with a Specific Focus on Geriatric Population. 60th Annual ASH (American Society of Hematology) Meeting. November 29- December 4, 2018. San Diego, CA.
54. Loh KP, Kadambi S, Mohile SG, Mendler JH, Liesveld JL, O'Dwyer KM, Becker MW, McHugh CM, Wittink M, Stock W, Majhail NS, Wildes T, Duberstein P, **Klepin HD**. Qualitative Study of Factors that Influence Treatment Decision-Making among Community Oncologists and Older Patients with Acute Myeloid

Leukemia. 60th Annual ASH (American Society of Hematology) Meeting. November 29- December 4, 2018. San Diego, CA.

55. **Klepin HD**, Campinha-Bacote A, Hong WJ, Phuong P, Wang J, Mobasher M, Trask P. Geriatric Assessment (GA) Measures and Patient-Reported Outcomes (PROs) Among Older Adults Treated in a Phase 1b Study for Relapsed /Refractory (R/R) Acute Myeloid Leukemia (AML). 60th Annual ASH (American Society of Hematology) Meeting. November 29- December 4, 2018. San Diego, CA.

INVITED EXTRAMURAL PRESENTATIONS AND SEMINARS

- 4/21/07 **Cancer and Aging Research Group Meeting**
"Geriatric Assessment for Patients with Acute Leukemia"
City of Hope, Duarte, CA
- 10/27/07 **28th Annual Mountain Medical Conference**
"Lung Cancer and Breast Cancer Updates"
Asheville, NC
- 6/1/08 **American Society of Clinical Oncology Annual Meeting**
Education Session: Evaluating, Treating, and Supporting Older Adults with Acute Leukemias - "Translating Geriatric Principles into the Treatment of Older Adults with Acute Leukemia"
Chicago, IL
- 9/12/08 **Piedmont Oncology Association 29th Annual Symposium**
"Treating the Elderly Cancer Patient"
Asheville, NC
- 9/27/08 **Cancer and Aging Research Group Meeting**
"A Physical Activity Intervention for Older Adult Inpatients with Acute Leukemia (PAL Study)"
Rochester, NY
- 3/19/09 **Cancer and Cognition: Broadening the Dialogue**
"Medication Adherence and Cognition: Potential Insights from Co-STAR"
Winston-Salem, NC
- 6/4/11 **American Society of Clinical Oncology Annual Meeting**
Symposium: Designing Clinical Trials for Older Patients: Nuts and Bolts – "Acute Myeloid Leukemia: Bringing Theory to Practice"
Chicago, IL
- 9/15/11 **Association of NC Cancer Registrars (ANCCR) Fall Meeting**
"Treating the Elderly Cancer Patient"
Winston-Salem, NC
- 12/2/11 **UNC 3rd Annual Geriatric Oncology Conference**
"Applying Geriatric Principles to the Evaluation and Management of Older Adults with AML"
Chapel Hill, NC
- 10/27/12 **Society of International Geriatric Oncology Annual Meeting**
Education Session: Muscle, cancer, and aging
"Reversing muscle loss: exercise"
Manchester, England
- 5/10/13 **Charles L. Spurr Piedmont Oncology Spring Symposium**
"Assessing Older Cancer Patients: Fit, Vulnerable, or Frail?"
Winston-Salem, NC
- 6/4/13 **American Society of Clinical Oncology Annual Meeting**

- Chair, Education Session: How I treat hematologic malignancies in the elderly.
 “Geriatric Assessment in Hematologic Malignancies: Using AML as the Model”
 Chicago, IL
- 9/27/13 **8th Annual Breast Cancer Symposium**
 “Late Effects of Breast Cancer Treatment”
 Winston-Salem, NC
- 11/15/13 **Cancer Center Grand Rounds, University of Rochester**
 “AML in the elderly: Individualizing pretreatment assessment and supportive care”
 Rochester, NY
- 5/15/14 **American Geriatrics Society Annual Meeting**
 Special Symposium: The Geriatric Medicine and Oncology Interface: Collaborative Models for Cancer Care Best Practices in Older Adult Populations “The Geriatric Medicine and Oncology Interface: Why, who, how?”
 Orlando, FL
- 5/31/14 **American Society of Clinical Oncology Annual Meeting**
 Speaker, Special Symposium: Developing a Geriatric Oncology Presence at Your Academic Institution or Community-Based Practice “Geriatric Oncology: Why? Who? How?”
 Chicago, IL
- 6/18/14 **7th Biennial Cancer Survivorship Research Conference**
 Speaker, Improving the Health and Healthcare of Older American Cancer Survivors
 “Collaborating to improve the care of older cancer patients: The Cancer and Aging Research Group”
 Atlanta, GA
- 12/05/14 **56th ASH Annual Meeting & Exposition**
 Chair, Scientific Workshop:

 “Hematology and Aging: Highlighting Novel Science and Developing a Research Agenda”
 San Francisco, CA
- 12/07/14 **56th ASH Annual Meeting & Exposition**
 Speaker, Education Session: Geriatric Perspective: How to Assess Fitness for Chemotherapy in the Older Adult With Leukemia
 “Acute Myeloid Leukemia in the Elderly Patient”
 San Francisco, CA
- 3/24/15 **2015 Cancer Outcomes Program Seminar- UNC Lineberger**
 Guest Speaker, “Bringing a Geriatric Perspective to the Treatment of Older Adults with Acute Myeloid Leukemia” Chapel Hill, NC
- 5/13/15 **U13 Meeting on Cancer and Aging: Design and Implementation of Intervention Studies to Improve or Maintain Quality of Survivorship in Older and/or Frail Adults with Cancer**
 Speaker, “Mobility interventions for older patients with cancer: design issues”
 Chicago, IL
- 5/30/15 **2015 American Society of Clinical Oncology Meeting**
 Speaker, Education Session: Chemotherapy Dosing, Polypharmacy, and Toxicity Assessment in Elderly Patients with Cancer
 “Hands-On Management: Chemotherapy Dosing, Polypharmacy, and Toxicity Assessment in Elderly Patients with Cancer” Chicago, IL

- 7/15/15 **FDA Mini-symposium-Identification and Management of Patients with AML Who Are Unfit for Standard Induction Therapy**
Speaker, "Assessing fitness for chemotherapy among older adults with acute myeloid leukemia (AML)"
FDA White Oaks Campus, MD
- 8/22/15 **North Carolina Oncology Association Annual Membership Conference**
Speaker, "Cancer in the Aging Population"
Asheville, NC
- 9/26/15 **10th Annual Breast Symposium**
Speaker, "Treating older women with breast cancer: a focus on adjuvant decision-making"
Winston-Salem, NC
- 11/12/15 **2015 International Society of Geriatric Oncology (SIOG) Conference**
Speaker, Education Session: Haematological malignancies: challenges are in the oldest old "Management of High Risk MDS in elderly patients"
Prague, Czech Republic
- 12/4/15 **57th Annual ASH Meeting and Exposition**
Chair, Scientific Workshop
"Hematology and Aging: Highlighting Novel Science and Developing a Research Agenda"
Orlando, FL
- 12/6/15 **57th Annual ASH Meeting and Exposition**
Moderator, Health Services and Outcomes Research
Malignant Diseases Program: Oral and Poster Abstracts
Orlando, FL
- 5/18/16 **American Geriatrics Society Annual Meeting**
Speaker, Geriatrics Practitioners and their evolving role in the comprehensive cancer care paradigm: Geriatric oncologic principles and best practices
"Geriatric oncologic principles, practices and models: The evolving role of the geriatrics practitioner."
Long Beach, CA
- 6/4/16 **2016 American Society of Clinical Oncology Meeting**
Chair, Extended Education Session: Individualizing Care for Older Adults
Across the Cancer Care Continuum: Emerging Evidence and Collective Wisdom

Speaker, "Using Geriatric Principles and Tools for Approach to Adjuvant Decision Making in Older Adults."
Chicago, IL
- 11/14/16 **Seventh Annual Medical Symposium & Luncheon, Gabrielle's Angel Foundation for Cancer Research**
Speaker, "Minimizing Physical Function Decline among Older Adults Receiving Chemotherapy"
New York, NY
- 12/2/16 **58th Annual ASH Meeting and Exposition**
Co-Chair, Scientific Workshop on Hematology and Aging
"Hematology and Aging: Highlighting Novel Science and Developing a Research Agenda"
San Diego, CA
- 12/5/16 **58th Annual ASH Meeting and Exposition**
Moderator, Health Services Research
Malignant Conditions: Outcomes from a Patient's Perspective
San Diego, CA
- 4/28/17 **Hematologic Diseases in the Elderly Meeting**

- Faculty speaker, "Functional assessment in the Elderly"
Rome, Italy
- 5/3/17 **Accelerating Anticancer Agent Development and Validation (AAADV) Workshop**
Faculty Speaker, "Special Considerations for Cancer Drug Development in Older Adults"
Bethesda, MD
- 6/2/17 **2017 American Society of Clinical Oncology Meeting**
Speaker, Individualizing Treatment Decisions Using Geriatric Principles
"Adjuvant Decision-Making and Non-Curative Chemotherapy Decisions"
Chicago, IL
- 6/5/17 **2017 American Society of Clinical Oncology Meeting**
Chair, Clinical Science Symposium
"Opportunities to Improve Care for Older Adults with Cancer: Clinical Trials, Implementation and Survivorship" designed Program as Track Leader
Geriatric Oncology Education Track Chicago, IL
- 11/6/17 **FDA-ASCO: Geriatric Oncology Workshop**
Moderator, "Increasing the enrollment of older adults on FDA registration trials to reflect the proportion with the disease: Strategies and challenges" FDA campus, Silver Springs, MD
- 11/10/17 **2017 International Society of Geriatric Oncology (SIOG) Meeting**
Co-Chair, Scientific Session
"Exercise for managing side effects among geriatric oncology patients"
Warsaw, Poland
- 11/11/17 **2017 International Society of Geriatric Oncology (SIOG)**
Chair, SIOG Task Force Meeting on Acute Promyelocytic Leukemia in Older Adults
Warsaw, Poland
- 12/1/17 **UNC Lineberger Cancer Center Geriatric Oncology Symposium**
"Geriatric interventions to improve outcomes in older patients with acute leukemia"
Chapel Hill, NC
- 12/8/17 **59th Annual ASH Meeting and Exposition**
Scientific Workshop on Hematology and Aging
"Hematology and Aging: Highlighting Novel Science and Developing a Research Agenda"
Moderator, Clinical and Biologic Correlates of Frailty
Atlanta, GA
- 6/2/218 **2018 American Society of Clinical Oncology Meeting**
Speaker, Education Session- Strategies to Improve the Evidence Base: A Call to Action
"Progress Through Collaboration: ASCO and FDA's Efforts to Improve the Evidence Base for Treating Older Adults with Cancer"
Chicago, IL
- 6/22/18 **FDA-ASCO COA in Cancer Clinical Trials (COA-CCT) Workshop**
Co-Chair, ASCO Perspective
FDA campus, Silver Springs, MD
- 11/16/18 **2018 International Society of Geriatric Oncology (SIOG) Meeting**
Speaker, "Counterpoint: use of CGA is pivotal to disseminating the principles of geriatrics into the older adults with cancer"
Amsterdam, Netherlands
- 11/18/18 **International Society of Geriatric Oncology (SIOG)**

- Chair, Oral Abstract Session
“Hematologic Malignancies in the elderly and basic science”
Amsterdam, Netherlands
- 11/18/18 **International Society of Geriatric Oncology (SIOG)**
Speaker, SIOG Guidelines Update
“Treatment of acute promyelocytic leukemia in older patients: recommendations of a SIOG task force”
Amsterdam, Netherlands
- 11/30/18 **60th Annual ASH Meeting and Exposition**
Moderator, Scientific Workshop on Hematology and Aging
“Acute myeloid leukemia”
San Diego, CA
- 5/10/19 Alliance Health Disparities Committee Education Session
Speaker, Geriatric Assessment for Older Adults with Cancer
Chicago, IL

MENTORING RELATIONSHIPS:

Postdoctoral Fellows

- 2016-2018 Alexander Lucas, Ph.D.
Postdoctoral research fellow mentoring committee member
Project: Physical activity interventions in cancer

Resident and Fellows

- 2013-2014 Kathleen Elliott, MD
Research Advisor
Project: Polypharmacy in older adults with acute myeloid leukemia
- 2014-2015 Bernard Tawfik, MD
Research Advisor
Project: Comorbidity in acute myeloid leukemia
- 2015-2016 Jennifer Atlas, MD
Research Advisor
Project: Oncology goals of care documentation survey
- 2016-present Mohammed Saad, MD
Research Advisor
Project: Geriatric assessment among older adults with acute leukemia who achieved remission
- 2016-2018 Laurie Buchanan, MD
Research Advisor
Project: Goals of care documentation in oncology inpatients
- 2016-2018 Patrick Kuhlman, MD
Research Advisor
Project: Hyperglycemia and outcomes among adults treated for acute myeloid leukemia
- 2017-present Kah Poh Loh, MD (Oncology/Geriatric Fellow University Rochester)

NCORP/ ASH CRTI mentoring committee member
Project: Factors influencing treatment decision-making in older adults with acute myeloid leukemia.

- 2017-present Sean Hernandez, MD
Research Advisor for Clinical Scholar in Informatics (CSI)
Project: Improving goals of care documentation among oncology inpatients
- 2018- present Sam Yates
Masters Thesis Committee Member
Project: Investigating the Prognostic Importance of Bioelectrical Impedance Phase Angle in Adults Treated for Newly Diagnosed Acute Leukemia
- 2018-present Grant Williams, MD
Mentor, Mentored Clinical Scientist Research Career Development Award (K08)
Project: Myopenia & Mechanisms of Chemotherapy Toxicity in Older Adults with Colorectal Cancer: The M&M Study
- 2018-present Allison Magnuson, MD
External Advisor/Mentor, Beeson K76 Application
Project: Mitigating Cancer-Related Cognitive Dysfunction in Older Adults with Breast Cancer
- 2019-present Shirley Bluethmann, PhD
Advisor, American Cancer Society Mentored Research Scholar Grant
Project: Self-management approach (combining education- and exercise) for improving AI-induced arthralgia in older breast cancer survivors