

Dylan Zylla, M.D., M.S.

Contact Information

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EDUCATION

University of Minnesota, School of Public Health, Masters in Clinical Research – Minneapolis, MN 2010-2017

University of Minnesota Hematology/Oncology Fellowship – Minneapolis, MN July 2009 – June 2012

University of Minnesota Chief Residency – Minneapolis VA Medical Center, July 2008 - June 2009

University of Minnesota Internal Medicine Residency - Minneapolis, MN, June 2005 – June 2008

University of Minnesota Medical School - Minneapolis, MN, Doctor of Medicine, May 2005

Miami University - Oxford, OH, Bachelor of Arts (Magna Cum Laude), Zoology, December 2000

RESEARCH/WORK EXPERIENCE

Medical Director of Cancer Research Center at Park Nicollet/HealthPartners - 2018 – current

Co-Medical Director of Oncology Research/Staff Oncologist - Park Nicollet Fraumshuh Cancer Center, St. Louis Park, MN, 2012 – current

- Serve as principal investigator on industry sponsored clinical trials
- Develop investigator-initiated research and quality improvement proposals
- Facilitate institution involvement with Metro-Minnesota Community Clinical Oncology Program.
- Current projects/grants
 - A Randomized Trial of Medical Cannabis in Patients with Stage IV Cancers to Assess Impact on Opioid Use and Cancer-Related Symptoms: A Pilot and Feasibility Study – we launched a study in 2018 that provides a free 3 month supply of medical cannabis through the Minnesota state program
 - Implementation of electronic patient-reported outcomes to track cancer-related symptoms using EPIC MyChart.
 - Improving assessment and management of hyperglycemia in patients with diabetes and cancer receiving chemotherapy with steroid medications – collaborative project with the Park Nicollet International Diabetes Center using continuous glucose monitoring and titration of insulin dosing to improve blood sugars and reduce infection rates.
 - Naloxegol use in patients with metastatic pancreatic cancer - creating a new clinical trial to improve constipation and survival.
 - Mu opioid receptor levels, opioid exposure, and survival in patients with stage IV pancreatic cancer – developing a novel assay in conjunction with the HealthPartners pathology department to detect mu-opioid receptor expression and correlate to clinical outcomes.
 - Feasibility of Collecting and Adjusting Patient-Reported Outcomes for Quality Reporting in Chemotherapy – a collaborative project with leaders at the University of North Carolina that involves interviews of staff and enrollment of patients.

Co-Investigator – Metro-Minnesota Community Clinical Oncology Program, St. Louis Park, MN, 2012 – current

- Member of Alliance committees (Symptom Intervention and Community Oncology)

Adjunct Assistant Professor, University of Minnesota - Department of Hematology/Oncology. 2017 – current

Master's Thesis Project – Pankaj Gupta, MD (mentor), University of Minnesota; Minneapolis, MN, 2009 - 2015

- Analyzed role of opioids on prostate cancer progression in a retrospective analysis
- Investigated opioid use and pain in lung cancer

Co-investigator – Robert Kratzke, MD and Arek Dudek, MD (mentors), University of Minnesota; Minneapolis, MN, 2010

- Designed a phase II clinical trial assessing efficacy of gemcitabine and bortezomib in treating castrate-resistant prostate cancer
- American Society of Clinical Oncology/American Association for Cancer Research: Methods in Clinical Cancer Research workshop participant

Co-investigator – Frank Lederle, MD and Tim Wilt, MD (mentors), Minneapolis VA Medical Center; Minneapolis, MN, 2009 - current

- American College of Physicians sponsored systematic review on effectiveness of venous thromboembolism prophylaxis in hospitalized medical patients

Laboratory Assistant - Douglas Yee, MD (mentor), University of Minnesota; Minneapolis, MN, 2007

- Studied the impact of insulin-like growth factor receptor and breast cancer metastasis

Clinical Research Assistant - Diabetes Institute for Immunology and Transplantation, University of Minnesota; Minneapolis, MN, 2002-2005

- Created databases, monitored adverse events, assisted with grant preparation, protocol development and IRB correspondence

Clinical Research Assistant - Advanced Respiratory; St. Paul, MN, 2001

- Researched use of company's VEST® product and cystic fibrosis

Laboratory Assistant - The Children's Hospital of Philadelphia; Philadelphia, PA, Summer 1999/2000

- Completed manuscript on an independent project studying the role of CCR-5 receptor and neonatal HIV infection

WORK EXPERIENCE/BOARD CERTIFICATION/LICENSURE

American Board of Internal Medicine (Medical Oncology) – Certified 2013

American Board of Internal Medicine (Hematology) – Certified 2012

American Board of Internal Medicine – Certified 2008

Minnesota State Medical License - 2007 - current

PROFESSIONAL SOCIETIES/MEETINGS

American Society of Clinical Oncology – 2009 to current

American Association of Cancer Research/American Society of Clinical Oncology workshop: Methods in Clinical Cancer Research 2010 – August 2010

EDUCATIONAL ACTIVITIES

Medical school tutor – lead small-group discussions for second-year medical students in the hematology course, 2011 – current

Physician and Patient Course Mentor - Teach history and physical exams to 2nd year medical students, 2009 - current

Clinical Advisor – Taught and supervised over 50 residents and medical students on clinical rotations during fellowship in 2009-2010

Research Mentor – Trained and supervised prostate cancer research project (Brett Gourley, MD, Sonja Boatman)

Clinical Skills Mentor - Taught physical exams and evaluated clinical skills of medical students, 2004

Miami M.E.D., Premedical Honorary - Member (1998-2000), Secretary (1999), Chair (1999-2000)

ADMINISTRATIVE EXPERIENCE

Park Nicollet Executive Medical Council – elected member. 2019– current (3 year term)

Park Nicollet Nominating and Leadership Development Committee – elected member. 2016 – 2019

Minnesota Community Measures Cancer Committee – member – 2015 – current

American Cancer Society – Cancer Action Network – research breakfast planning committee leader, 2015

Fellowship Class Representative – 2010-2012

VA Chief Resident – Minneapolis VA Hospital, MN, 2008-2009

- Served on inpatient leadership, CPR, and venous thromboembolism committees.
- Coordinated core curriculum lectures and resident call schedules.

Venous Thromboembolism Prophylaxis Committee Member - Regions Hospital, MN, 2007

- Worked to improve patient outcomes and safety by developing and implementing standardized, evidence-based practices related to the assessment, prevention and treatment of venous thromboembolism

HONORS/AWARDS/FUNDING

HealthPartners Development Grant - \$30,000. To support cannabis research trial. Awarded 2018.

Philanthropic Support for Medical Cannabis Proposal - \$75,000 support from private donor to support development of medical cannabis clinical trial. 2017.

Innovator Award from Association of Community Cancer Centers for project, “Establishing Personalized Pain Goals in Oncology Patients to Improve Care and Decrease Costs”. Awarded 2016.

HealthPartners Development Grant - \$30,000. To develop an electronic patient-reported outcome tool in the electronic medical record. Awarded 2016.

Park Nicollet Health Systems Recognition Award- for exceptional contribution to health system. 2015

Park Nicollet Institute (Grant #3088241202) - \$8000 for statistical analysis support of “A Retrospective

Assessment of Patient-reported Pain Levels, Opioids Prescribed and Survival in Cancer Patients” 2014
Park Nicollet Oncology Department – 20% salary support for research - 2012- current
NIH Hematology T32 Research Training Grant Trainee (Ruth Kirschstein, ID HL007062-34) 2010-2012
Accepted to NIH-funded AACR/ASCO workshop: Methods in Clinical Cancer Research 2010
Clerkship honors in oncology, critical care, pediatrics, radiology, ophthalmology (2003-2005)
Certified Clinical Skills Instructor (2004)
Recipient of Elizabeth Glaser Pediatric AIDS Foundation Student Intern Award (2000)
Recipient of Miami University Alumni Premedical Scholarship (2000)
Dean’s List, Miami University, 1997-2000, all semesters

PUBLICATIONS

Steele, G, Arneson, T, and Zylla, D. A comprehensive review of cannabis in patients with cancer: availability in the United States, general efficacy, and safety. *Current Oncology Reports*. 2019

Anderson, S, Zylla, D., et al. Impact of medical cannabis on patient-reported symptoms for cancer patients enrolled in Minnesota’s Medical Cannabis Program. *Journal of Oncology Practice*. 2019

Stover, A et al. Stakeholder Perceptions of Patient-Reported Outcome (PRO)-Based Performance Metrics for Symptom Control in Six U.S. Cancer Centers. *Journal of Oncology Practice*. 2018 (Under review).

Zylla, D., et al. Oncology clinicians and the Minnesota Medical Cannabis Program: a survey on medical cannabis practice patterns, barriers to enrollment, and educational needs. *Cannabis and Cannabinoid Research*. 2018 Oct 1;3(1):195-202

Zylla, D., et al. Impact of diabetes and hyperglycemia on health care utilization, infection risk, and survival in patients with cancer receiving glucocorticoids with chemotherapy. *Journal of Diabetes and Its Complications*. Accepted 2019. <https://doi.org/10.1016/j.jdiacomp.2018.12.012>

Zylla, D., et al. Impact of opioid use on health care utilization and survival in patients with newly diagnosed stage IV malignancies. *Support Care Cancer*. 2018 Jul;26(7):2259-2266

Zylla, D., et al. Establishing personalized pain goals in oncology patients to improve care and decrease costs. *J Oncology Practice*. 2017 Mar;13(3):e266-e272

Zylla, D., et al. A systematic review of the impact of pain on overall survival in patients with cancer. *Support Care Cancer*. 2017 May;25(5):1687-1698.

Zylla, D., et al. Impact of opioid use on survival in patients with newly diagnosed stage IV non-hematologic malignancies. *J Clin Oncol*. 2015; 33 (Suppl 29S; abstr 188).

Zylla, D, et al. Pain score, analgesic utilization, and patient satisfaction among cancer patients at a community cancer center. *J Clin Oncol*. 2014; 32 (suppl 31; abstr 203)

Zylla, D, Kuskowski, M, Gupta, K, Gupta, P. Association of opioid requirement and cancer pain with survival in advanced non-small cell lung cancer patients. *British Journal of Anaesthesia*. 2014; Oct 10.

Zylla D, Gourley BL, Vang D, Jackson S, Boatman S, Lindgren B, Kuskowski MA, Le C, Gupta K, Gupta P. Opioid requirement, opioid receptor expression, and clinical outcomes in patients with advanced prostate cancer. *Cancer*. 2013 Dec 1;119(23):4103-10

Zadroga RJ, Zylla D, Cawcutt K, Musher DM, Gupta P, Kuskowski M, Dincer A, Kaka AS. Pneumococcal Pyomyositis: Report of two cases and a review of the literature. *Clin Infect Dis*. 2012 Apr 20.

Lederle, F, Zylla, D, et al. Venous thromboembolism prophylaxis in hospitalized medical and stroke patients: a systematic review for a Clinical Practice Guideline. *Annals of Internal Medicine*. 2011 Nov 1;155(9):602-15.

Zylla D, Li Y, Bergenstal E et al. CCR5 expression and B-chemokine production during placental neonatal monocyte differentiation. *Pediatric Research*. 2003;53;853-858.