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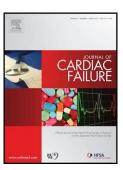
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Incident Hyperkalemia, Hypokalemia, and Clinical Outcomes During Spironolactone Treatment of 1 2 Heart Failure with Preserved Ejection Fraction: Analysis of the TOPCAT Trial 3 Akshay S Desai MD, MPH¹; Jiankang Liu, PhD¹; Marc A Pfeffer, MD, PhD¹; Brian Claggett, PhD¹; Jerome 4 Fleg, MD²; Eldrin F Lewis, MD¹; Sonja McKinlay, MD³; Eileen O'Meara MD⁴; Sanjiv J Shah, MD⁵; Nancy K 5 Sweitzer, MD⁶; Scott Solomon, MD¹; Bertram Pitt, MD⁷ 6 7 ¹Cardiovascular Division, Brigham and Women's Hospital, Boston, MA; ²National Heart, Lung, and Blood 8 Institute, National Institutes of Health, Bethesda, MD; ³New England Research Institutes, Inc., 9 Watertown, MA; ⁴Institut de Cardiologie de Montréal, Université de Montréal, Montreal, CA; ⁵Division of 10 11 Cardiology, Northwestern University Feinberg School of Medicine, Chicago, IL; 6Sarver Heart Center, University of Arizona, Tucson, AZ; ⁷Cardiovascular Division, University of Michigan School of Medicine, 12 13 Ann Arbor, MI 14 **Word Count**: Abstract 250, Text 3120, 21 References 15 16 Serum Potassium and Outcomes in TOPCAT 17 **Running Title:** 18 ClinicalTrials.gov, NCT 00094302 19 Registration: National Heart Lung and Blood Institute (NHLBI), Bethesda, MD (N01 HC45207) 20 Sponsor: 21 22 Correspondence: Akshay Desai, MD 23 Cardiovascular Division Brigham and Women's Hospital 24 75 Francis Street 25 Boston, MA 02115 26 Phone: 617-732-7406 27 Email: adesai@partners.org 28 29 30 **Key Words:** hyperkalemia; hypokalemia; heart failure; diastolic heart failure; spironolactone; 31 aldosterone; mineralocorticoid receptor

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