1 Title: Psoriasis and Comorbid Diseases Part II. Implications for Management 2 Authors: Junko Takeshita, MD, PhD, MSCE^{1,2}; Sungat Grewal, BS¹; Sinéad M. Langan, MB, 3 BCh, BAO, MRCP, MSc, PhD³: Nehal N, Mehta, MD, MSCE⁴: Alexis Ogdie, MD, MSCE^{2,5}: 4 Abby S. Van Voorhees, MD⁶; Joel M. Gelfand, MD, MSCE^{1,2}. 5 6 **Author Affiliations:** Departments of Dermatology¹, Epidemiology and Biostatistics, Center for 7 Clinical Epidemiology and Biostatistics², and Division of Rheumatology⁵, University of 8 Pennsylvania Perelman School of Medicine, Philadelphia, PA, USA; London School of Hygiene 9 and Tropical Medicine and St. John's Institute of Dermatology, London, United Kingdom³; 10 National Heart, Lung and Blood Institute, Bethesda, MD, USA⁴; Department of Dermatology, 11 Eastern Virginia Medical School, Norfolk, VA, USA⁶. 12 13 Corresponding Author: Junko Takeshita, MD PhD MSCE, Department of Dermatology, 14 University of Pennsylvania, 3400 Spruce St., 1104 Dulles, Philadelphia, PA 19104. Email: 15 Junko. Takeshita@uphs.upenn.edu. Phone: 215-349-5551. Fax: 215-615-3127. 16 17 Funding/Support: This work was supported in part by the National Institute of Arthritis and 18 Musculoskeletal and Skin Diseases K24AR064310 (Gelfand), T32AR007465-32 (Grewal), 19 K23AR063764 (Ogdie), and K23AR068433 (Takeshita) grants, Dermatology Foundation Career 20

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