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Cost-Effectiveness Analysis of Microscopic and Endoscopic Transsphenoidal Surgery versus Medical Therapy in the Management of Microprolactinoma in the United States

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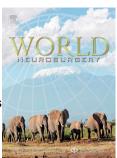
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Cost-Effectiveness Analysis of Microscopic and Endoscopic Transsphenoidal 1 Surgery versus Medical Therapy in the Management of Microprolactinoma in 2 the United States 3 4 5 Pinakin R. Jethwa, M.D.^{1*} 6 Tapan D. Patel, B.S.¹ Aaron F. Hajart, M.S.^{1, 2} 7 Jean Anderson Eloy, M.D. 1, 2, 3 8 9 William T. Couldwell, M.D., Ph.D.⁴ James K. Liu, M.D. 1, 2, 3 10 11 12 ¹ Department of Neurological Surgery, Rutgers University, New Jersey Medical School, Newark, NJ, USA 13 ² Department of Otolaryngology – Head and Neck Surgery, Rutgers University, New Jersey Medical 14 School, Newark, NJ, USA ³ Center for Skull Base and Pituitary Surgery, Neurological Institute of New Jersey, Newark, NJ, USA 15 16 ⁴Department of Neurosurgery, University of Utah School of Medicine, Salt Lake City, UT, USA *Pinakin Jethwa and Tapan Patel both contributed equally as co-first authors. 17 18 19 Corresponding Author: 20 James K. Liu, MD 21 Director, Center for Skull Base and Pituitary Surgery 22 Department of Neurological Surgery 23 **Rutgers University** 24 **New Jersey Medical School** 25 90 Bergen Street, Suite 8100 26 Newark, NJ 07103 27 Email: james.liu.md@rutgers.edu 28 Telephone: (973) 972-2906 Fax: (973) 972-2333 29 30 31 Keywords: Microprolactinoma, Cost-Effectiveness Analysis, Cabergoline, Transsphenoidal Surgery, 32 Pituitary tumors, Bromocriptine, Endoscopic, Microscopic 33 Running Head: Treatment of Microprolactinoma: Cost-Effectiveness Analysis

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