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Laser angiography with indocyanine green (ICG) to assess vaginal cuff perfusion during total laparoscopic hysterectomy (TLH): A pilot study

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1 Laser angiography with indocyanine green (ICG) to assess vaginal cuff perfusion during total 2 laparoscopic hysterectomy (TLH): A pilot study 3 Benjamin D. Beran, M.D.¹, Marie Shockley, M.D.¹, Katrin Arnolds, M.D.¹, Pedro Escobar, M.D.², Stephen 4 Zimberg, M.D.¹, Michael L. Sprague, M.D.¹ 5 ¹Section of Minimally Invasive Gynecology, Department of Gynecology, Cleveland Clinic Florida, Weston, 6 Florida, U.S.A.; ² Department of Gynecologic Oncology and Reproductive Medicine, The University of 7 8 Texas MD Anderson Cancer Center, Houston, Texas, U.S.A. 9 10 Corresponding author contact information: Benjamin D. Beran, M.D. 11 Department of Gynecology - Cleveland Clinic Florida 12 2950 Cleveland Clinic Blvd 13 14 Weston, FL 33331 15 Email: beranb@ccf.org Phone: (651)-246-9710 16 Disclosures: Drs. Sprague and Zimberg report being consultants for Medtronic-Covidien teaching 17 hysterectomy and suturing labs. The remaining authors report no financial conflicts of interest. 18 Key words: Laser angiography, Laparoscopic hysterectomy, Vaginal cuff dehiscence, Indocyanine green 19 20 This work was presented at the 45th AAGL Global Congress held November 14-18, 2016 in Orlando, 21 22 Florida and received the Jay M. Cooper Award for Best Paper on Minimally Invasive Gynecology 23 by a Resident or Fellow. 24

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