Comparative accuracy of the Lilium α -200 portable ultrasound bladder scanner and conventional transabdominal ultrasonography for post-void residual urine volume measurement in association with the clinical factors involved in measurement errors

Yoshiyuki Yamaguchi,¹ Takao Kamai,¹ and Minoru Kobayashi²

¹ Department of Urology, Dokkyo Medical University, Tochigi, Japan

² Department of Urology, Utsunomiya Memorial Hospital, Tochigi, Japan

Corresponding author.

Minoru Kobayashi

Department of Urology, Utsunomiya Memorial Hospital, 1-3-16 Ohdori,

Utsunomiya-shi, Tochigi 320-0811, Japan

Tel: +81-28-622-1991, fax: +81-28-611-5603

Email: minorukoba@hotmail.com

Running title: PVR measurement using the Lilium α -200

Word count: 2996 words