

(54) Title of the invention : IN VIVO BALLOON METHOD FOR MEASURING UTERINE CONTRACTIONS OF THE UTERUS IN WISTAR RATS

(51) International classification :A61B 050000, A61B 050300, A61B 174200, A61B 174350, G09B 232800
 (86) International Application No :PCT//
 Filing Date :01/01/1900
 (87) International Publication No : NA
 (61) Patent of Addition to Application Number :NA
 Filing Date :NA
 (62) Divisional to Application Number :NA
 Filing Date :NA

(71)Name of Applicant :**1)Dr. Arati Malpani**

Address of Applicant :Associate Professor, Department of Pharmacology, HKES'S Matoshree Taradevi Rampure Institute of Pharmaceutical Sciences, Sedam Road, Kalaburagi 585105, India
 Kalaburagi -----

2)Mr. Shiv Kumar Kushawaha**3)Dr. Amar Deep Ankalgi****4)Dr. Nripendra Singh****5)Dr. Ashok Malpani**

Name of Applicant : NA

Address of Applicant : NA

(72)Name of Inventor :**1)Dr. Arati Malpani**

Address of Applicant :Associate Professor, Department of Pharmacology, HKES'S Matoshree Taradevi Rampure Institute of Pharmaceutical Sciences, Sedam Road, Kalaburagi 585105, India
 Kalaburagi -----

2)Mr. Shiv Kumar Kushawaha

Address of Applicant :Associate Professor & Head, Department of Pharmacology, Laureate Institute of Pharmacy, VPO- Kathog, Tehsil- Jwalaji, Distt. Kangra, Himachal Pradesh- 176031, India
 Kathog -----

3)Dr. Amar Deep Ankalgi

Address of Applicant :Professor & Head, Department of Pharmaceutical Chemistry, Laureate Institute of Pharmacy, VPO- Kathog, Tehsil- Jwalaji, Distt. Kangra, Himachal Pradesh-176031, India
 Kathog -----

4)Dr. Nripendra Singh

Address of Applicant :Assistant Professor, Department of Pharmaceutical Sciences, VBSP University, Jaunpur (UP) – 222002, India
 Jaunpur -----

5)Dr. Ashok Malpani

Address of Applicant :Professor and Principal, Department of Pharmacy Practice, Rajiv Memorial Education Society's College of Pharmacy, Balaji Nagar, old Jewargi Road, Kalaburagi-585102, Karnataka, India
 Kalaburagi -----

(57) Abstract :

ABSTRACT IN VIVO BALLOON METHOD FOR MEASURING UTERINE CONTRACTIONS OF THE UTERUS IN WISTAR RATS The present invention discloses a method (100) for monitoring uterine contractions. The method (100) involves weighing and priming adult female rats with estradiol benzoate, followed by selecting rats in an oestrous phase. The method (100) further includes anesthetizing the rats, followed by inserting a saline-filled catheter with a small latex balloon into a lumen of the uterine of the rats and connecting the catheter to a pressure transducer and recording normal uterine contractions. Finally, the method (100) involves recording dose-dependent response of Oxytocin and AL. Figure 1

No. of Pages : 20 No. of Claims : 6