

2.1 To begin, obtain partially anesthetized preterm pregnant dam [1-TXT]. After euthanizing, make a 3-centimeter cut in the midline of the lower abdomen, followed by a 2-centimeter longitudinal cut [2-TXT]. Then, make an incision along the antimesenteric border in the middle portion of each uterine tube from these cuts [3].

2.1.1. WIDE: Talent placing a partially anesthetized preterm pregnant dam on the dissection table. TXT: Anesthesia: 2% isoflurane. **Vídeo 1 = Time: 00:00:01**

2.1.2. Talent making a 3 cm cut in the midline of the lower abdomen, followed by a 2 cm longitudinal cut. TXT: Euthanasia: Cervical dislocation 3 days before the expected delivery date. **Vídeo 1 = Time: 00:00:04**

2.1.3. Talent making an incision along the antimesenteric border in the middle portion of an uterine tube. **Vídeo 1 = Time: 00:01:11**

2.2 Then, perform hysterectomy and gently extract the rat pups and placenta one by one [1].

2.2.1. Talent extracting the rat pups one by one. **Vídeo 1 = Time: 00:01:58.**

2.3. Using paper towels, clear the airways of the pup [1-TXT] and bathe it to prevent cannibalism by surrogate dams [2]. After drying the pup, remove any traces of blood [3] and place them in petri dishes under heated infrared lighting at 28 degrees Celsius until breathing regularizes [4].

2.3.1. Talent bathing the pup in water. **Vídeo 2 = Time: 00:00:02.**

2.3.2. Talent wiping the pup to remove blood stains. **Vídeo 2 = Time: 00:00:08.**

2.3.3. Talent clearing the airways of the pup using paper towels. TXT: Wash with 28 °C water. **Vídeo 2 = Time: 00:00:15.**

2.4. Next, cut the umbilical cords just below the placenta [1] and using cotton soaked in hydrogen peroxide, stop the bleeding from the cord area [2].

2.4.1. Talent cutting the umbilical cord of the pup below placenta.

2.4.2. Talent wiping the umbilical cord area with cotton soaked in hydrogen peroxide. **Vídeo 2 = Time: 00:00:26.**

2.4.3. Talent placing the pup in a IR incubator at 28 °C. **Vídeo 2 = Time: 00:00:32.**

2.5. For the adoption procedure, house each foster mother with the litter separately and maintain the integrity of the cages [1-TXT]. Mark each term puppy from the foster hand [2-TXT].

2.5.1. Talent placing the cage with foster mother beside other cages in the animal room. TXT: Use adoption procedure to prevent inappropriate behavior of the operated mother.

**Vídeo 3 = Time: 00:00:02.**

2.5.2. Talent marking the term pup from the foster hand. TXT: Marking is crucial for maternal behavior analyses. **Vídeo 3 = Time: 00:00:12.**

2.6. Then, place the preterm pup along with foster mother's own pups outside the nest to let the surrogate mother familiarize with the new pup's scent [1-TXT]. After confirming effective adoption, remove the foster mother's pups from the nest [2].

2.6.1. Talent placing the preterm pup beside the foster mother's own pups outside the mother's nest. TXT: Mixing the pups prompts acceptance and integration by the surrogate mother. **Vídeo 3 = Time: 00:00:39.**

2.6.2. Talent removing the foster mother's pups from the nest. Mix the adoptive offspring with the biological offspring initially. **Vídeo 3 = Time: 00:00:50.**

2.6.3 Confirm effective adoption when surrogate mother collects both her own and the preterm pups into her nest. **Vídeo 3 = Time: 00:01:05.**