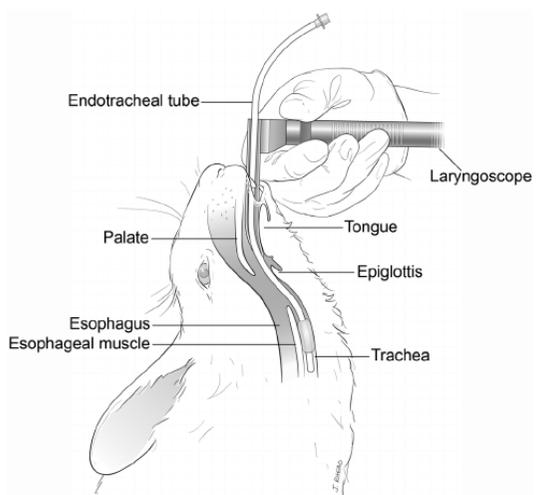


Reasons for intubation: 1) Enables provision of supplemental , 2) Protects the tract from foreign material (incl. fluids), 3) Allows controlled provision with minimal (health and safety), 4) Enables the anaesthetist to perform intermittent to assist lung perfusion and if needed during a crisis. Prior to attempting intubation I will the rabbit for 2-5 minutes. I could use prior to attempting intubation, to prevent (although NOT licensed for use in rabbits UK). Prior to intubation, I will and the ET tube. Rabbits are breathers and as such, the epiglottis often sits above the palate. When restraining in sternal recumbency, it is important to extend the rabbit's head and neck forward to maintain an open airway during intubation. The two points the ET tube should sit between are the and the . If a tube is placed to the correct 'depth' but there is still a length of tube outside the rabbit, this is called . I could increase the to combat hold at the end of the tube to see if the tube I can see to check if there is at the end of the tube to see if there is to see if a trace is produced **AND** I should and entered one of the mainstem ET tube enters the trachea. Complications: the incisors, long and narrow dental arcade, the hump the acute angle between the mouth and the larynx, difficult with a **HIGH** failure rate. It is unlikely you placement) when you are performing as the tube will reduce oral access. Repeated attempts at ET intubation may cause traumatic damage to the larynx with resultant: laryngeal , haemorrhage, laryn or even laryngeal . Blind intubation also carries the risk of or cae being pushed blindly into the trachea. Equipment: similar to the ET tubes we use in cats, we want to choose an tube for 2 reasons 1) to prevent to the tracheal mucosae AND the absence of a means the internal diameter is as as possible, thus reducing the to air flow. For a 2.5kg rabbit the size of ET tube used is likely to be a -> mm. In large rabbits (over 5kg), a size mm tube at least is likely to be used. Alternative method of intubation – naso-tracheal has the benefit of being used when performing procedures in the but has the potential risk of introducing in to the .



Ideally, I would the tube but in reality, I the rebreathing. To check it is in place, I could there is air movement, **OR** look at the portion of within the tube, **OR** I could hold a small dental 'fogging' **OR** I could attach the tube to a both lung fields to check the tube hasn't passed the bronchi. Rabbits won't necessarily when the rabbit oropharyngeal anatomy – presence of large at the base of the tongue (called the) and makes orotracheal intubation of rabbits technically will want to intubate rabbits (orotracheal procedures or when you are performing routine

Thompson, K.L., Meier, T.R., and Scholz, J.A. (2017) Endotracheal Intubation of Rabbits Using a Polypropylene Guide Catheter, *Journal of Visualized Experiments*, November 2013 (129).



Reasons for intubation: 1) Enables provision of supplemental **OXYGEN**, 2) Protects the **LOWER RESPIRATORY** tract from foreign material (incl. fluids), 3) Allows controlled **GAS** provision with minimal **ENVIRONMENTAL CONTAMINATION** (health and safety), 4) Enables the anaesthetist to perform intermittent **IPPV** to assist lung perfusion and if needed during a **RESPIRATORY** crisis. Prior to attempting intubation, I will **PRE-OXYGENATE** the rabbit for 2-5 minutes. I could use **LIDOCAINE** prior to attempting intubation, to prevent **LARYNGOSPASM** (although NOT licensed for use in rabbits UK). Prior to intubation, I will **MEASURE** and **LUBRICATE** the ET tube. Rabbits are **OBLIGATE NASAL** breathers and as such, the epiglottis often sits above the **SOFT** palate. When restraining in sternal recumbency, it is important to extend the rabbit's head and neck forward to maintain an open airway during intubation. The two points the ET tube should sit between are the **INCISORS** and the **THORACIC INLET (POINT OF SHOULDER)**. If a tube is placed to the correct 'depth' but there is still a length of tube outside the rabbit, this is called **DEAD SPACE**. Ideally, I would **CUT** the tube but in combat the rebreathing. To check it is in place, I there is air movement, **OR** look at the portion of the within the tube, **OR** I could hold a small dental 'fogging' **OR** I could attach the tube to a should **AUSCULTATE** both lung fields to check the one of the mainstem bronchi. Rabbits won't trachea. Complications: the rabbit oropharyngeal narrow dental arcade, the hump at the base of the between the mouth and the larynx, makes with a **HIGH** failure rate. It is unlikely you will want to are performing **SHORT** procedures or when you are performing routine **DENTALS** as the tube will reduce oral access. Repeated attempts at ET intubation may cause traumatic damage to the larynx with resultant: laryngeal **OEDEMA/SWELLING**, haemorrhage, **laryNGOSPASM** or even laryngeal **RUPTURE**. Blind intubation also carries the risk of **FOOD** or **caecOTROPHS** being pushed blindly into the trachea. Equipment: similar to the ET tubes we use in cats, we want to choose an **UN-CUFFED** tube for 2 reasons 1) to prevent **TRAUMA** to the tracheal mucosae AND the absence of a **CUFF** means the internal diameter is as **WIDE** as possible, thus reducing the **RESISTANCE** to air flow. For a 2.5kg rabbit the size of ET tube used is likely to be a **2.5** -> **3** mm. In large rabbits (over 5kg), a size **4** mm tube at least is likely to be used. Alternative method of intubation – naso-tracheal has the benefit of being used when performing procedures in the **MOUTH** but has the potential risk of introducing **PATHOGENS** into the **LUNGS**.

