

Animal Experiments -

Right on your doorstep

Have you ever wondered where animal experiments actually occur?

Only 71% of the general public is even aware that animals are currently used in experimental research in Australia. They might be surprised to learn that it could be happening right on their doorstep!

The following examples provide a very brief snapshot. Further details can be found on our website under "case studies", where you will also find action items for each study.



(Note that locations have been based on institutions/departments identified from scientific papers and are pin-pointed to the best of our ability. Some locations may vary slightly.)

SOUTH AUSTRALIA

1. Royal Adelaide Hospital, Adelaide

32 marmosets used in kidney pathology experiments to 'establish the feasibility of the marmoset as a potential kidney transplant model. They were killed via cardiac puncture'.¹

2. Adelaide University, Adelaide

In an attempt to investigate the mechanisms underlying fetal effects of asthma in pregnancy, researchers conducted an experiment on 40 pregnant sheep. The sheep were deprived of oxygen, subjected to surgery, and then killed while still pregnant.²

¹ Collins, MG, et al. (2014) 'Spontaneous glomerular mesangial lesions in common marmoset monkeys (*Callithrix jacchus*): a benign non-progressive glomerulopathy'.

² Clifton, V.L., et al. (2015) 'Development of an experimental model of maternal allergic asthma during pregnancy'.

WESTERN AUSTRALIA

3. Murdoch University, Murdoch

7 greyhounds, "donated" by the racing industry, had haemorrhage induced and then killed in an attempt to document particular changes in their urine.³

QUEENSLAND

4. The University of Queensland, St Lucia

71 rabbits used in an attempt to create a small animal 'model' of human and equine West Nile virus infection, following the failure of mouse and hamster 'models'. They were infected with viruses, monitored for effects, and then killed.⁴

5. Army Malaria Institute, Enoggera

The Department of Defence maintain a colony of Owl Monkeys for use in vaccination studies for malaria.⁵



NEW SOUTH WALES

6. Charles Sturt University, Wagga Wagga

10 male greyhounds, "donated" to the university by Greyhound Racing NSW used to test the delivery of drugs to the lymphatic system and then killed.⁶

7. Hunter Medical Research Institute, New Lambton

Laboratory mice by the dozens loaded into tubes and forced to inhale cigarette smoke for up to 12 weeks to study progressive lung diseases.⁷

8. Westmead Hospital, Westmead

A baboon named Conan underwent a whole organ (kidney) transplant from a genetically modified pig in early 2014. Conan was killed after suffering "disseminated intravascular coagulation".⁸

9. The University of Sydney, Camperdown

Decades of cruel brain experiments conducted on marmoset monkeys for brain and vision research.⁹

10. University of NSW, Dept of Pharmacology, Sydney

Rats subjected to limited nesting stressor to investigate the effect that early life stress and high sugar diets have on mental illness and development and function of the brain. They were killed by decapitation.¹⁰



3 Davis, J, et al. (2016) 'Urinary neutrophil gelatinase-associated lipocalin concentration changes after acute haemorrhage and colloid-mediated reperfusion in anaesthetized dogs'.

4 Suen, WW, et al. (2015) 'Experimental West Nile Virus Infection in Rabbits: An Alternative Model for Studying Induction of Disease and Virus Control'.

5 De, SL, et al. (2016) 'Persistence and immunogenicity of chemically attenuated blood stage Plasmodium falciparum in Aotus monkeys'.

6 Hans, S, et al. (2016) 'Lymphatic Transport and Lymphocyte Targeting of a Triglyceride Mimetic Prodrug Is Enhanced in a Large Animal Model: Studies in Greyhound Dogs'.

7 Hansbro, PM, et al. (2015) 'Targeting PI3K-p110α Suppresses Influenza Virus Infection in Chronic Obstructive Pulmonary Disease'.

8 <http://www.humanerresearch.org.au/ban-primate-experiments/we-remember-you-conan>

9 Townsend, RG, et al. (2015) 'Emergence of complex wave patterns in primate cerebral cortex'.

10 Maniam, J, et al. (2016) 'Sugar Consumption Produces Effects Similar to Early Life Stress Exposure on Hippocampal Markers of Neurogenesis and Stress Response'.

VICTORIA

11. CSL (Commonwealth Serum Laboratories), Woodend

CSL Woodend is where Leo (#LeoExLabCat) was originally used in vaccination studies. He was later sold to a research institution in NSW which conducted eye experiments before being surrendered to a rescue group.¹¹



12. CSIRO, East Geelong

Macaques used in preclinical evaluation of vaccines.¹²

13. National non-human primate breeding and research facility, Churchill Gippsland

Monash breeding facility where marmosets and macaques are bred specifically for research purposes. In 2016, two marmosets, imported from France, died in unexpected and unexplained circumstances.¹³

14. Austin Hospital, Heidelberg

Mice fed high fat diets, forced to fast, and then killed in a study aimed at discovering whether a high-fat, low carbohydrate diet could act as a management or prevention option for people with type-2 diabetes.¹⁴

15. Bionics Institute, East Melbourne

Invasive surgical procedures on 7 cats involved manipulations to expose the back of the eyeball, and incisions to the eyeball itself. The aim was to test the safety and reliability of a retinal electrode implantation as a treatment option to improve sight.¹⁵

16. The Florey Institute of Neuroscience and Mental Health, Parkville

Alcohol fed to mice, then depression induced. The study aimed to investigate therapeutic strategies to assist with rehabilitation from chronic alcohol consumption, in order to reduce alcohol-related (abstinence-induced) depression.¹⁶



17. Melbourne Dental School, Carlton

6 greyhounds given dental implants to investigate differing surgical techniques, then killed to analyse bone and tissue samples.¹⁷

18. University of Melbourne, Parkville

31 'pouch age' tammar wallabies used in invasive sexual development study and then killed. The aim was to explore the role of factors such as genes and hormones known to 'pattern' the phallus.¹⁸

11 https://humane-research.worldsecuresystems.com/campaigns/Leos_story

12 Trist, HM, et al. (2014) 'Polymorphisms and Interspecies Differences of the activating and inhibitory FcγRIII of Macaque nemestrina Influence the Binding of Human IgG Subclasses'.

13 <http://www.humanereseearch.org.au/interview/reports-of-harm-and-neglect-at-primate-breeding-facility>

14 Lamont, BJ et al. (2016) 'A low-carbohydrate high-fat diet increases weight gain and does not improve glucose tolerance, insulin secretion or β-cell mass in NZO mice'.

15 Villalobos, J, et al. (2013) 'A Wide-Field Suprachoroidal Retinal Prosthesis Is Stable and Well Tolerated Following Chronic Implantation'.

16 Pang TY et al. (2013) 'Depression-related behaviours displayed by female C57BL/6J mice during abstinence from chronic ethanol consumption are rescued by wheel-running'.

17 Mellati E, et al. (2015) 'Greyhound –Healing of Bio-Oss® grafted marginal gaps at implants placed into fresh extraction sockets of incisor teeth in dogs: a study on the effect of submerged vs. non-submerged healing'.

18 Chew, KY, et al. (2014) 'A Dual Role for SHH during Phallus Development in a Marsupial'.

19. Monash University Clayton Campus

In order to investigate the effects on heart function and heart muscle cells of a premature fetus after inducing intrauterine inflammation, 33 pregnant sheep were subjected to injections, had their fetuses delivered prematurely and the hearts of the fetuses removed whilst still alive.¹⁹

20. The Peter Doherty Institute for Infection and Immunity, Melbourne

11 pig-tailed macaques used in a study which involved being infected with SIV and having their testes removed.²⁰

19 Tare, M, et al. (2014) 'Exposure to intrauterine inflammation leads to impaired function and altered structure in the preterm heart of fetal sheep.'

20 Winnall, WR, et al. (2015) 'Simian immunodeficiency virus infection and immune responses in the pig-tailed macaque testis.'

These examples are clearly cruel and unethical, but just as importantly, they are wasting precious resources as animals are NOT appropriate models for studying human disease.



We need your help. Fill in the form below today and donate or become a member. Help us to continue the fight to end cruel and ineffective animal experiments and promote more human-relevant research.

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