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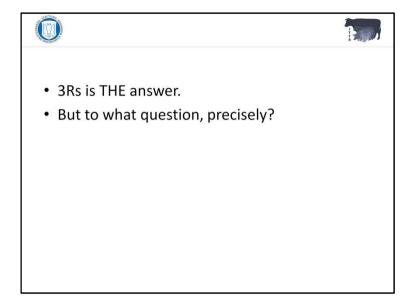


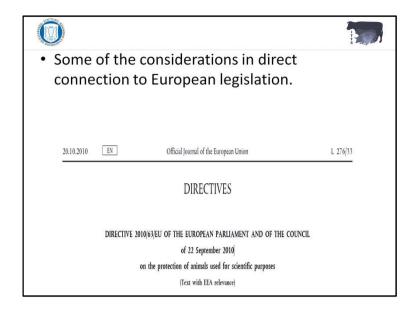
The Relevance of 3Rs for the Ethical Evaluation of Animal Research

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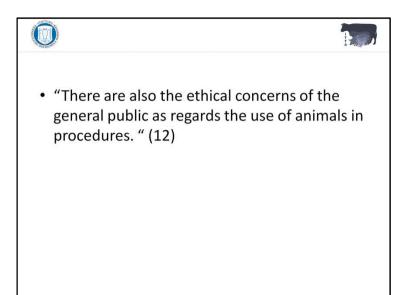


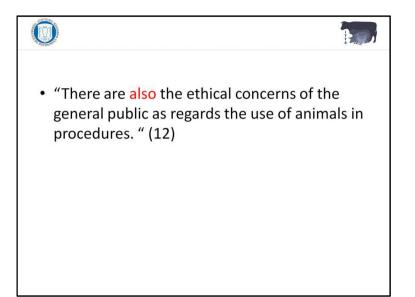


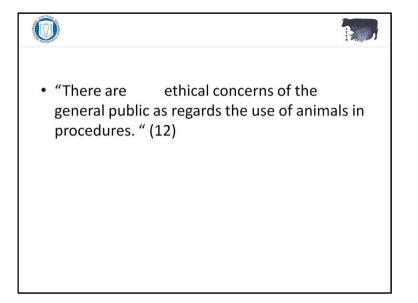




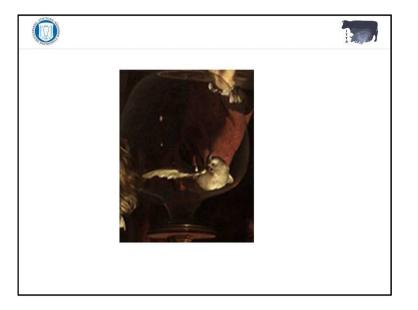
(12) Animals have an intrinsic value which
must be respected. There are also the ethical
concerns of the general public as regards the
use of animals in procedures. Therefore,
animals should always be treated as sentient
creatures and their use in procedures should
be restricted to areas which may ultimately
benefit human or animal health, or the
environment.

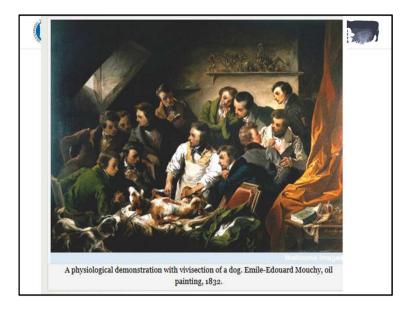


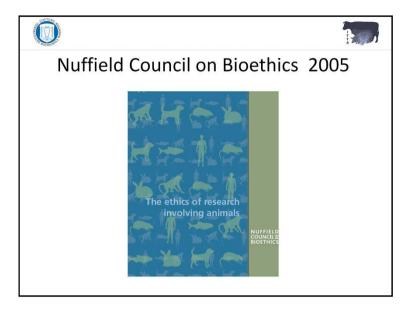
















- Provided there are substantial benefits associated with animal research, why should the use of animals require special justification?
- Can any use of animals by humans be justified?
 Which specific issues need to be considered in the case of research?
- What role does the unavailability of alternatives play in the justification of research involving animals? (p.33)



Moral Status



Two questions

- > what features of humans and animals make them objects of moral concern?
- how should those features be taken into account in moral reasoning:
 - through weighing of factors

or

• through the generation of absolute prohibitions?



What to do?



Nuffield Council describes four different positions on animal experiments:

- 1. abolitionist view
- 2. "on balance justification" view
- 3. "moral dilemma" view
- 4. anything goes



Animal Rights



- "Animals are not to be treated as mere receptacles or as renewable resources. Thus does the practice of scientific research on animals violate their rights. Thus ought it to cease, according to the rights view. It is not enough first conscientiously to look for non-animal alternatives and then, having failed to find any, to resort to using animals. ...
 Though that approach is laudable as far as it goes, and though taking it would mark significant progress, it does not go far enough. It assumes that it is all right to allow practices that use animals as if their value is reducible to their possible utility relative to the interests of others, provided that we have done our best not to do so. "
- T. Regan, 'The Case for Animal Rights', 1983



3Rs and animal rights



- 3Rs in general is NOT an answer to abolitionist claims.
- BUT: **Replacement** (in principle) can provide an answer.

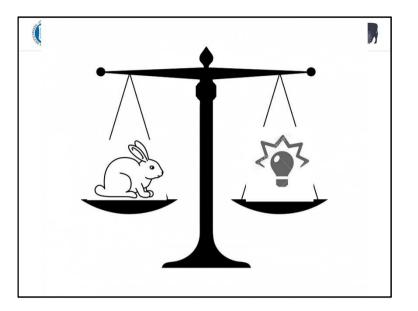


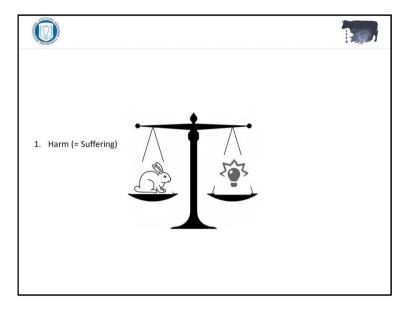
What to do?



Nuffield Council describes four different positions on animal experiments:

- 1. abolitionist view
- 2. "on balance justification" view
- 3. "moral dilemma" view
- 4. anything goes









• (39) ... The likely harm to the animal should **be balanced** against the expected benefits of the project.

Jeremy Bentham (1748-1832)



"It may come one day to be recognized, that the number of the legs, the villosity of the skin, or the termination of the os sacrum, are reasons equally insufficient for abandoning a sensitive being to the same fate? What else is it that should trace the insuperable line? Is it the faculty of reason, or, perhaps, the faculty of discourse? But a full-grown horse or dog, is beyond comparison a more rational, as well as a more conversible animal, than an infant of a day, or a week, or even a month, old. But suppose the case were otherwise, what would it avail? the question is not, Can they reason? nor, Can they talk? but, Can they suffer?"



(Introduction to the Principles of Morals and Legislation, 236)

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Facts and Values



- [T]he relationship between facts and values is not straightforward. A reasonable discussion between people of differing opinions requires clarity about whether the exact area of disagreement concerns:
- knowledge of facts (disagreement <u>about whether or not a</u> <u>particular animal suffers</u> from being used in a particular kind of research) ...
- the interpretation of values associated with facts (agreement that animals involved in a particular experiment experience pain, but disagreement about whether or not causing this pain is morally wrong) ... (Nuffield, p. 34)



Harm



"Harm"

- Do we reach our scientific goals with the **minimum of harm** possible?
- 3R: replace, reduce, refine
- Shall we use animals at all? Of which species? In which condition? How many?



- How do we qualify / judge / measure "animal harm" in concrete circumstances
- The termination of an experiment?





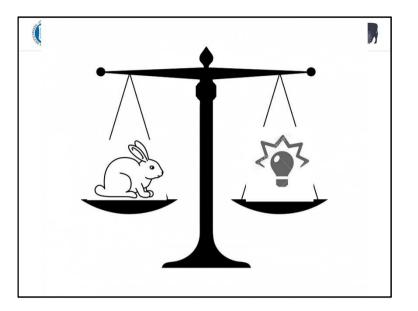
• (38) Comprehensive project evaluation, taking into account ethical considerations in the use of animals, forms the core of project authorisation and should ensure the implementation of principles of **replacement**, **reduction and refinement** in those projects.

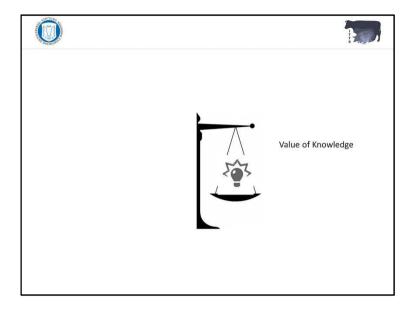


A Pathocentric View



- We have implemented everything to ensure a minimum of harm.
- What about that minimum of harm?
- "It assumes that it is all right to allow practices that use animals as if their value is reducible to their possible utility relative to the interests of others, provided that we have done our best not to do so. " (Regan, I.c.)
- 3Rs does not provide an answer to the question whether the infliction of pain is **justified** in *a* particular case.







Quality of an experiment



- Does the exeperiment contribute to the scientific goal?
- What really is the goal?
- Two versions:
- (A) Scientific progress has intrinsic value
- (B) Scientific progress has *instrumental* value, i.e. if and only if it helps to promote other goals.





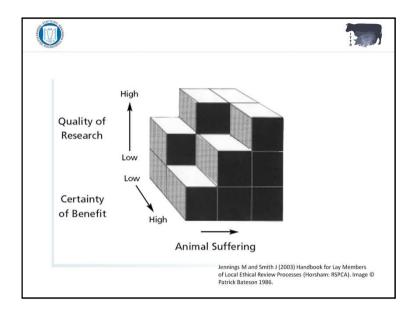


 12) [Animals'] use in procedures should be restricted to areas which may ultimately benefit human or animal health, or the environment.





- Art. 38: 2. The project evaluation shall consist in particular of the following: ...
- (d) a harm-benefit analysis of the project, to assess whether the harm to the animals in terms of suffering, pain and distress is justified by the expected outcome taking into account ethical considerations, and may ultimately benefit human beings, animals or the environment;







• (39) It is also essential, both on moral and scientific grounds, to ensure that each use of an animal is carefully evaluated as to the scientific or educational validity, usefulness and relevance of the expected result of that use. The likely harm to the animal should be balanced against the expected benefits of the project.





Harm-benefit-ratio



- Is there a conclusive relation between "harm" and "benefit"?
- The German "verhältnismäßig" (appropriate) as a tool for evaluating the case
- The experiment must be
 - -suitable
 - necessary
- There must be an "appropriate" relation.
- The experiment must at least be "justifiable".



3Rs and justification



- 3Rs in themselves do not proof a particular experiment to be justified or justifiable...
- ... because they do no answer the question whether the result "is worth" the *irreducible minimum* of "harm" to the animals.
- BUT: They are an indispensable way of proofing that we are gaining our results be inflicting a definite *minimum* of animal suffering.
- This is a great help in deciding wright and wrong when it comes to animal experimentation.





- Provided there are substantial benefits associated with animal research, why should the use of animals require special justification?
- Because we are make sentient beings suffer.





- What role does the unavailability of alternatives play in the justification of research involving animals? (p.33)
- It marks a difference within the 3Rs: replacement plays another role than refinement and reduction.





- Can any use of animals by humans be justified?
 Which specific issues need to be considered in the case of research?
- Because the benefit is uncertal suffering comes for sure.
- So we ought to do everything performance
- 3Rs!
- This is in itself a moral good.



