3R implementation in veterinary education and training
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- Refinement using animal models
  - Practical courses in dedicated structures
  - In France
    - VetSims (Alfort)
    - Virtual Vet (Oniris, Nantes)
  - Ongoing: VetAgro Sup (Lyon) and ENVT (Toulouse)
3R implementation in veterinary education and training

- VetSims’ Clinical Skills Laboratory
  - Coordinated by the vice-dean for the academic affairs
  - Under the supervision of full-time assistant
  - 130 workshops
3R implementation in veterinary education and training

- VetSims’ Clinical Skills Laboratory
  - Animal models to implement clinical skills before clinics
  - Practical courses in A1-A5, plus open access
3R implementation in veterinary education and training

• VetSims’ Clinical Skills Laboratory
  ✓ Handling, restraint, imaging, injections, blood test, force-feeding, intubation, surgery, sutures…
  ✓ Rat, mouse, rabbit, dog, cat, swine, horse, cow…
3R implementation in veterinary education and training

- VetSims’ Clinical Skills Laboratory
  - Handling, restraint, imaging, injections, blood test, force-feeding, intubation, surgery, sutures...
  - Rat, mouse, rabbit, dog, cat, swine, horse, cow...
3R implementation in veterinary education and training

- VetSims’ Clinical Skills Laboratory
  - Also used for education and training in Laboratory Animal Science
3R implementation in veterinary education and training

• Animal models
  ✓ Cuddly toys, silicone, latex, plastinated animals
  ✓ Home-made or commercial
3R implementation in veterinary education and training

- Refinement using animal models
  - Learning objectives for each workshop
  - Self-evaluation questionnaire filled in by students regarding acquired skills
Example: learning sequence of ovariectomy

Plan: learning sequence in Vetsims

Do:
• training on Vetsims’ workshops

Act: back to Vetsims for improvement

Check:
• self-evaluation
• evaluation by teachers
Example: learning sequence of ovariectomy

Plan: learning sequence in Vetsims

Do:
• training on Vetsims’ workshops
• performance in clinics

Act: back to Vetsims for improvement

Check:
• self-evaluation
• evaluation by teachers and clinicians
Example: learning sequence of ovariectomy

Plan: learning sequence in Vetsims

Do:
- training on Vetsims’ workshops
- performance in clinics

Act: back to Vetsims for improvement (students and supervisors)

Check:
- self-evaluation
- evaluation by teachers and clinicians
- evaluation by students
Thank you for your attention!