



The Value and Effectiveness of **Simulation Laboratory** in Veterinary Education

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Introduction

➤ For medical education

- Require to have necessary skills for students
- Important to have access to living animals
- Limitations in the actual education field

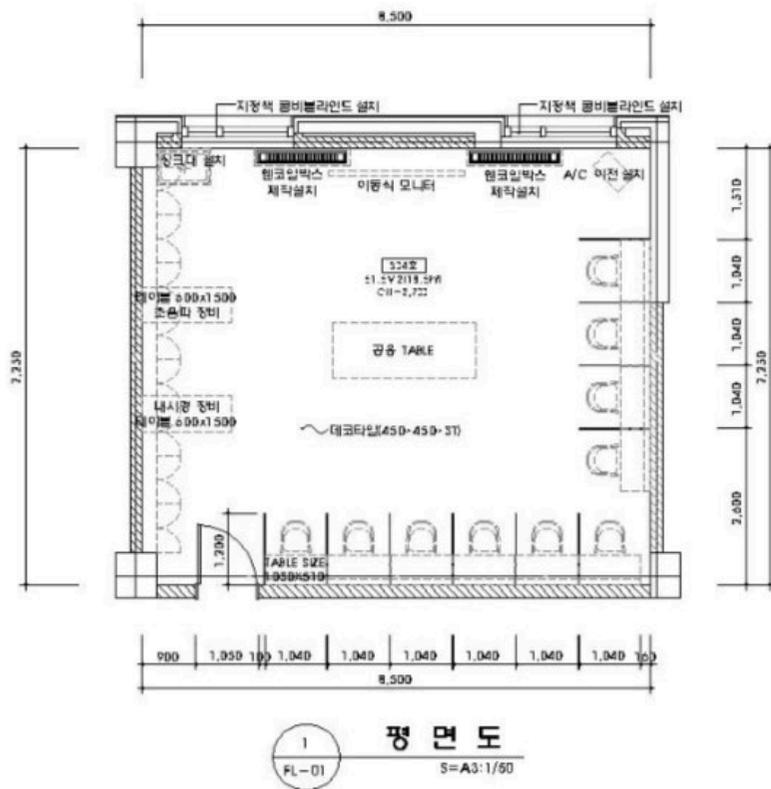
➤ Simulation-based learning

- Special way to educate the knowledge, skills, and attitudes
- Protecting animals from unnecessary harm
- Cost issue

- Built a simulation laboratory in 2021
- Size: 62.6 m²
- Expense: \$ 100,000
 - Dummy: \$ 50,000
 - Equipment
 - Device
- New class as selective course: Veterinary Clinical Simulation Training
- Self study for student and veterinarian

➤ Blueprint

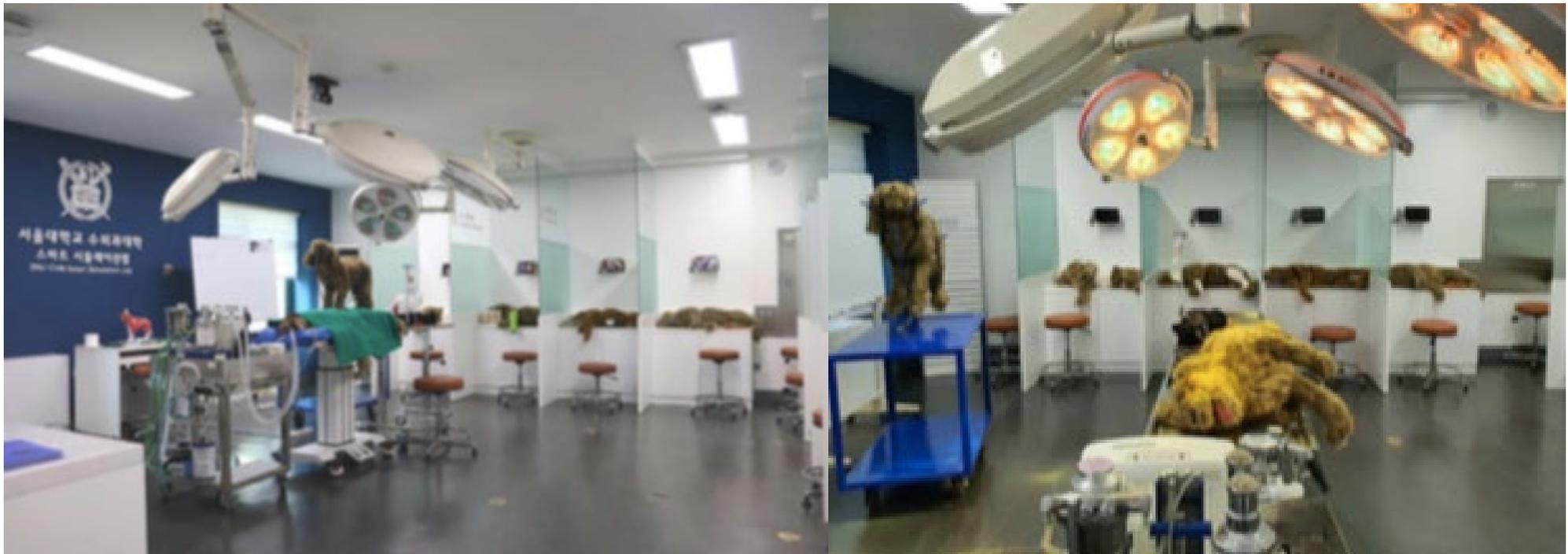
- IT based system with tablets



Simulation Lab. in SNU CVM

➤ Consist of 14 stations

- Basic skills / Key skills / Advanced skills / Surgical skills



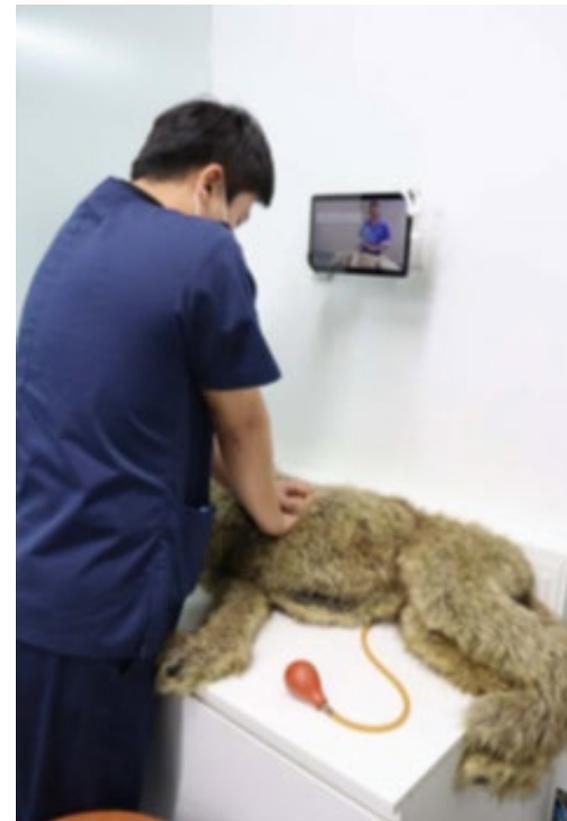
Simulation Lab. in SNU CVM

- Basic skills: physical exam, injection methods, suture/tie methods, surgical instrument packing, auscultation, and bandage





- Key skills: intubation, thoracocentesis, and CPR

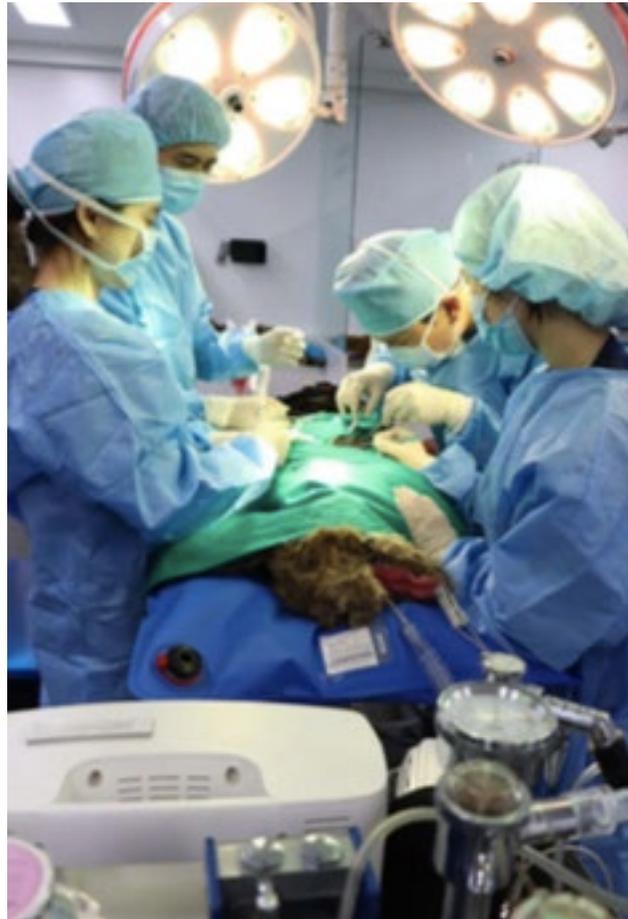


➤ Advanced skills: endoscope and ultrasound





➤ Operation skills: Operation of an ovariohysterectomy



Further direction and Conclusion

- New education tool in vet. medicine
- High satisfaction for vet. students
- Take opportunity to gain confidence in core clinical skills and competencies for medical experiences
- Can be used for OSCE (objective structured clinical examination) in the future
- Possible to be as standard veterinary education course



Thank you for your attention