

What is the Vet Life

By Sam Super and Alexa Pastoria

Vet School

AVMA Accredited Veterinary Schools



| | | | | | | |
|--|--|--|---|--|---|---|
| ALABAMA Auburn University Tuskegee University | ARIZONA Arizona State University | MICHIGAN Michigan State University | OHIO The Ohio State University | VIRGINIA Virginia Tech | AUSTRALIA Macquarie University University of Melbourne The University of Sydney | NEW ZEALAND Massey University |
| CALIFORNIA University of California - Davis Western University of Health Sciences | ARKANSAS University of Arkansas | MINNESOTA University of Minnesota | OKLAHOMA Oklahoma State University | WASHINGTON Washington State University | ENGLAND University of London | SCOTLAND University of Glasgow The University of Edinburgh |
| COLORADO Colorado State University | ARIZONA Arizona State University | MISSISSIPPI Mississippi State University | OREGON Oregon State University | WISCONSIN University of Wisconsin - Madison | IRELAND University College Dublin | WEST INDIES Bass University St. George's University |
| FLORIDA University of Florida | ARIZONA Arizona State University | MISSOURI University of Missouri | PENNSYLVANIA University of Pennsylvania | CANADA University of Calgary University of Guelph University of Prince Edward Island Universite de Montreal University of Saskatchewan | MEXICO Universidad Nacional Autonoma de Mexico | The Netherlands Radboud University of Utrecht |
| GEORGIA University of Georgia | LOUISIANA Louisiana State University | NEW YORK Cornell University | TENNESSEE University of Tennessee | | | |
| IDAHO Idaho State University | MASSACHUSETTS Tufts University | NORTH CAROLINA North Carolina State University | TEXAS Texas A&M University | | | |

4 years: classes for 3 and 1 year of clinicals

- 1st year classes include
 - Systems courses part one: nervous, musculoskeletal, cutaneous, cardiovascular, urinary, endocrine, reproductive, respiratory, and immunologic
 - Vet Sciences: microbiology, nutrition, epidemiology, and other fundamentals
 - Basic animal behavior, restraint, and knowledge
 - Career builders like One Health, clinical skills, and practice management
- 2nd year classes include:
 - Pathology, pharmacology, mechanisms of disease
 - Systems part 2
 - Vet sciences: other -ologies to provide a base for the systems
 - More career builders, clinical skills, and practice management

4 years: classes for 3 and 1 year of clinicals

- 3rd year classes include
 - Applying what you learned to real life cases
 - Clinical reasoning
 - Career builders, clinical skills, practice management
 - Some schools like MSU have class time dedicated to you shadowing doctors in the hospital
- 4th year
 - 1 full year of 3 week clinical rotations
 - Includes externships
 - Must do rotations in
 - Large animal
 - Pathology
 - Primary care
 - Soft tissue surgery
 - Orthopedics
 - Emergency
 - Radiology
 - Internal medicine
 - Anesthesia

Post DVM

- Start working as a doctor!
- Or take on an internship to specialize

The different fields of veterinary medicine

- General practice
- Shelter medicine
- Conservation/wildlife
- Zoo
- Equine
- Food Animal
- Dairy
- Swine
- Avian
- Exotics (small mammals, reptiles, etc.)
- Emergency/critical care
- Lab animal
- Toxicology
- Pathology

- Surgery
 - Orthopedic
 - Soft tissue
 - Etc.
- Neurology
- Dermatology
- Dentistry
- Cardiology
- Oncology
- Ophthalmology

- Radiology
- Theriogenology
- Epidemiology
- Sports Medicine
- Rehabilitation
- Teaching
- Public Health
- Military
- AND MORE!!!



Shelter Medicine

- Individual and general population care
 - High quantities of spay/neuter
 - Vaccinations
 - Microchipping
- Focus on behavioral health as well as physical health
- Infectious disease control
 - Common to shelters are giardia, heartworm, canine influenza, feline herpesvirus, and more
- <https://www.youtube.com/watch?v=5CKg456MhNQ>

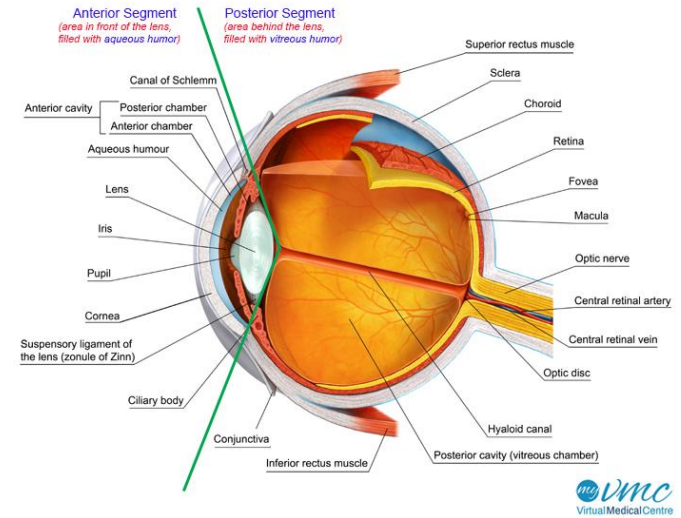
Lab Animal Medicine

- Research side
 - At a university or for a company
- Physical exams, health checks
- Distributing medication if ill
- Blood collections
- Disease control
- Proper anesthesia
- Basic injections
- Making sure research is ethical and animals are treated well
 - Including minimizing painful procedures



Ophthalmology

- Advanced knowledge of ocular health
- Specialized surgical procedures on the eye
- Diagnose and treat cataracts, corneal ulcers, conjunctivitis, uveitis, and glaucoma
- They will specialize in one species or a category
 - Species: canine, feline, equine, cattle, bovine, etc
 - Category: large animals, small animal, equine, food animal, exotic
- This is a specialization so after vet school you would have to do an internship and residency with getting a certification to finish.
- Day to day activity would be in a regular practice setting going case by case seeing other animals and doing regular physical exams on the daily. (40+ hours per week)



Cataracts



Conjunctivitis



Glaucoma



Corneal Ulcer



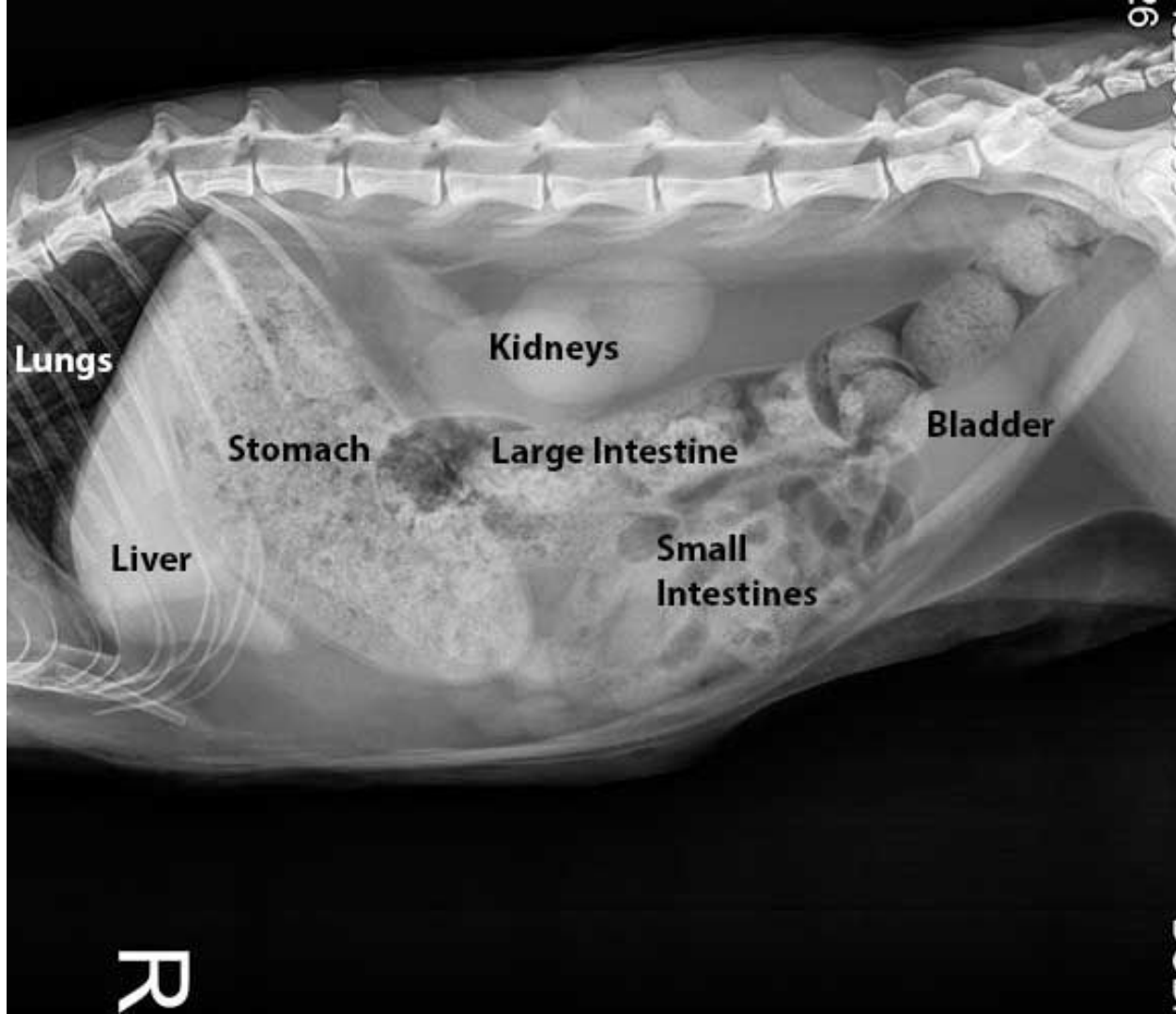
Uveitis

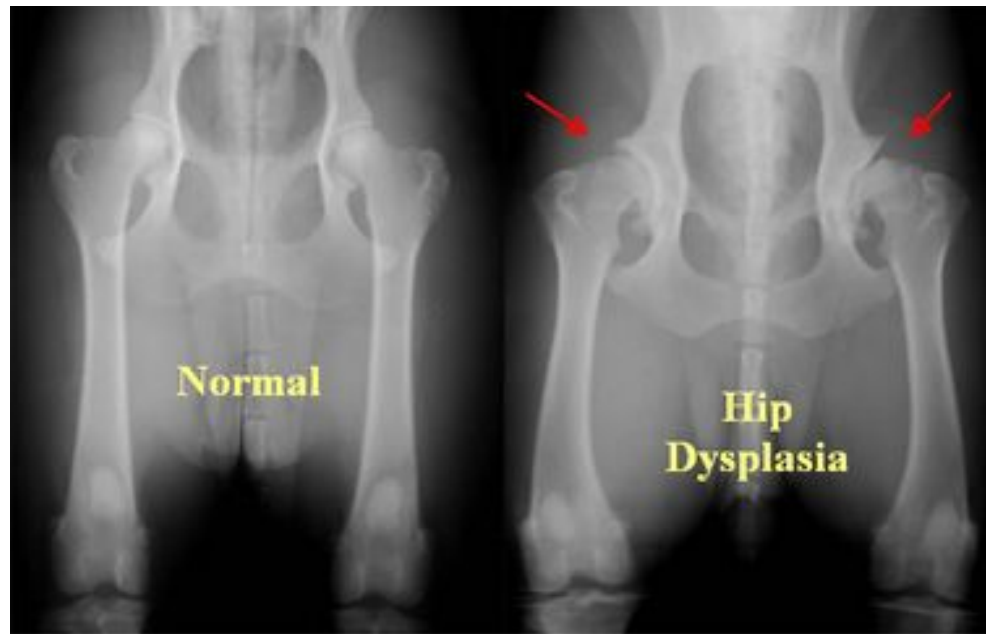


Radiology

- Diagnostic imaging to help animals with MRI scans, CT scans, ultrasounds, nuclear medicine scans, and/or radiographs.
- Understand and diagnose disease, injury, or provide information when dealing with mysterious symptoms.
- Reading gas patterns through the body.
- After vet school you will go through residency with a veterinarian specialist and will specialize in a specific or multiple categories.
- Top 10 paid specialty
- Work in a regular practice and be a consultant when needed.
- This website has posts a case of the week with radiographs!

<https://us13.campaign-archive.com/home/?u=1846979cac11c5e08a71501cb&id=7d7153e0be>





Rehabilitation

- https://www.youtube.com/watch?v=Hyl_7hvurBU
- Always working to strengthen muscles, improve movement and motion, and use positive correction
- Strengthen muscles- isometric and isotonic motion
- Neuromuscular electrical stimulation
- Massage and heat therapy
- Acupuncture
- Hydrotherapy
- Pulse therapy
- Lots of stretching
- Increase proprioception with balance board, strengthening the core muscles, and stimulating the feet/legs



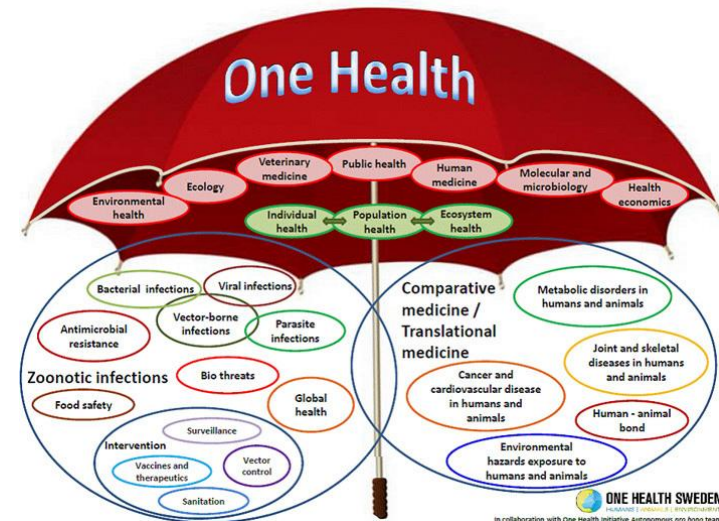




Fig. 2

Public Health

- State Health Department: State Agriculture Department, Toxicology, Environmental Division, Food Safety
 - Help write policy for zoonotic disease control and prevention
 - Check that meat and poultry are within regulation
 - Approve drugs for use in veterinary medicine
 - Pathology and parasitology
- Military
 - Sanitation
 - Food safety
 - Bioterrorism
 - Emerging infectious diseases



So what should you do???



- Get experience!
- Study Abroad, it doesn't have to be vet related
- Make friends and connections to help you through the next 4 years
- EAT HEALTHY! Brain food is key and your body will grind when it's time to study or do homework
- Get a workout buddy to go for runs, walks, adventures and to the gym. It's important to take care of yourself.
- Try something new!
- Find something stress free that you can add to your daily routine.
 - Podcasts, yoga, breathing exercises, nature walks, etc.