

UNIVERSITY OF PENNSYLVANIA - SCHOOL OF VETERINARY MEDICINE**February 22, 2024*****CURRICULUM VITAE***

Lillian Ruth Aronson VMD, DACVS
Professor of Surgery, Clinician Educator
Department of Clinical Studies

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Education:

1984-1985 Boston University, Boston, MA

1985-1988 **Bachelor of Science, *Summa Cum Laude***
Lehigh University, Bethlehem, PA

1988-1992 VMD, *Summa Cum Laude*
University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA

Post Graduate Training:

1992-1993 **Internship in Small Animal Medicine and Surgery**
University of Pennsylvania, School of Veterinary Medicine, Department of
Clinical Studies-Philadelphia, Section of Surgery, Philadelphia, PA

1993-1996 **Residency in Small Animal Surgery**
University of California, Davis, School of Veterinary Medicine, Davis, CA

Positions/Faculty Appointments:

- 1994-1997 **Coordinator** of the Renal Transplantation program
University of California, Davis, School of Veterinary Medicine, Davis, CA
- 1996-1997 **Lecturer in Small Animal Surgery**
University of California, Davis, School of Veterinary Medicine, Davis, CA
- 1997-2000 **Senior Research Investigator**
University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA
- 1997-present **Founder and Coordinator of the Renal Transplantation program**
University of Pennsylvania, School of Veterinary Medicine, Section of Surgery,
Philadelphia, PA
- 2000-2006 **Assistant Professor of Surgery, Clinician Educator**
University of Pennsylvania School of Veterinary Medicine, Department of
Clinical Studies-Philadelphia, Section of Surgery, Philadelphia, PA
- 2006-2013 **Associate Professor of Surgery, Clinician Educator**
University of Pennsylvania School of Veterinary Medicine, Department of
Clinical Studies-Philadelphia, Section of Surgery, Philadelphia, PA
- 2011-2012 **Section Chief of Small Animal Surgery and Anesthesia**
University of Pennsylvania School of Veterinary Medicine, Department of
Clinical Studies-Philadelphia, Section of Surgery, Philadelphia, PA
- 2012-2015 **Service Head-Small Animal Surgery**
University of Pennsylvania School of Veterinary Medicine, Department of
Clinical Studies-Philadelphia, Section of Surgery, Philadelphia, PA

- 2015 **Section Chief of Small Animal Surgery/Dentistry and Anesthesia**
University of Pennsylvania School of Veterinary Medicine, Department of
Clinical Studies-Philadelphia, Section of Surgery, Philadelphia, PA
- 2013-present **Professor of Surgery, Clinician Educator**
University of Pennsylvania School of Veterinary Medicine, Department of
Clinical Studies-Philadelphia, Section of Surgery, Philadelphia, PA
- 2018-2020 **Co-Section Chief of Small Animal Surgery/Dentistry and Anesthesia**
University of Pennsylvania School of Veterinary Medicine, Department of
Clinical Studies-Philadelphia, Section of Surgery, Philadelphia, PA
- 2020-present **Director of the Advanced Urinary Care service**
University of Pennsylvania School of Veterinary Medicine, Department of
Clinical Studies and Advanced Medicine, Philadelphia, PA

Departmental and Hospital Administrative Appointments:

- 1998-2019 Infectious disease committee
- 1999-2002 Ward renovations committee
- 2001-2007 SCAVMA faculty advisor
- 2001-2005 Mari Lowe Seminar committee
- 2003-2004 Anesthesia task force
- 2004-present Feline club faculty advisor
- 2004-2008 Residency Program Director for small animal surgery
- 2007-2008 CE Mentoring for Dr. Phillip Mayhew-Department of Clinical Studies
- 2009 Development office committee
- 2009-2010 Blood Bank committee
- 2010-2017 Faculty mentor for Dr. Amy Durham-Department of Pathobiology
- 2011-2012 Section Chief of Small Animal Surgery, Dentistry and Anesthesia
- 2011-2013 Leadership Advisory Counsel
- 2011-2012 Weekend hours task force

2011-2016	Mentoring committee for Dr. Erica Reineke
2011-present	Diversity Search Advisor-Department of Clinical Studies
2012-2015	Service Head-Small Animal Surgery
2015	Section Chief of Small Animal Surgery, Dentistry and Anesthesia
2016-2023	Mentoring committee for Dr. Dana Clarke
2017-2023	Mentoring committee for Dr. Kate Burriko
2018-2020	Co-Section Chief of Small Animal Surgery, Dentistry and Anesthesia with Dr. Susan Volk
2023-present	Mentoring committee for Dr. Wojciech Panek
2023-present	Mentoring committee for Alessia Cordella

Research and clinical interests:

Clinical interests include all areas of soft tissue surgery, but in particular microvascular surgery and complex urinary tract surgery including renal transplantation and treatment of urolithiasis. Research interests in the field of feline and canine renal transplantation include mechanisms of action of immunosuppressive therapy and cytokine gene expression in the presence of immunosuppressive therapy and mechanisms of renal hypertrophy. Additionally, I also have an interest in evaluating pro-inflammatory cytokine levels in urine and peripheral blood to localize urinary tract disease. Other work has focused on the effect of subatmospheric pressure on cellular proliferation and cytokine production in the murine kidney.

Specialty Certification:

1998 Diplomate of the American College of Veterinary Surgeons

Licensure:

1992 Pennsylvania
 New York
2006 Delaware

Awards and Honors:

- 1987 Inducted, Phi Beta Kappa Honor Society, Lehigh University, Bethlehem, PA
- 1985-1988 Dean's List Lehigh University, Bethlehem, PA, 6 terms
- 1988 Lehigh University, Bethlehem, PA, Summa Cum Laude
- 1988-1992 Dean's List University of Pennsylvania School of Veterinary Medicine; 6 terms
- 1991 Inducted, Phi Zeta Veterinary Honor Society, University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA
- 1992 Auxiliary to the American Veterinary Medical Association Award
- 1992 University of Pennsylvania School of Veterinary Medicine, Philadelphia, PA, *Summa Cum Laude*
- 1997 Veterinary Surgery journal publication award-most outstanding clinical paper of the year. "Endogenous benzodiazepine activity in the peripheral and portal blood of dogs with portosystemic shunts."
- 1999 Best Poster Award, "Acute toxoplasmosis following renal transplantation in three cats and a dog", 1999 ACVS Symposium, San Francisco, CA
- 2000 Jules and Lucy Silver "Animal Bedside Manner Award"
- 2019 Veterinary Surgery journal publication award-most outstanding clinical paper of the year. Nessar V, Reetz J, Clarke D, **Aronson LR**. Radiographic distribution of ureteral stones in 78 cats. *Vet Surg* 47:895-901;2018

Membership in Professional and Scientific Societies:

2015-present American Association of Feline Practitioners
 2005-present Pennsylvania Veterinary Medical Association
 2002-present American Association of Veterinary Clinicians
 1997-present American College of Veterinary Surgeons
 1992-present American Veterinary Medical Association
 1992-present American Animal Hospital Association
 1992-present Morris Animal Foundation
 1991-present Phi Zeta Honorary Veterinary Society
 1988-present Phi Beta Kappa

External Academic and Administrative Service:

1998 Xenotransplantation committee of the Hospital of the University of Pennsylvania

2002-03 Judge for the Coriell Institute Science Fair, Camden County College, Blackwood, NJ

2002-08 ACVS Scientific Meetings:
 Poster Judging Committee
 Resident's Forum Judging Committee
 Seminar chair for feline surgery
 Co-chair for the laboratory sessions
 Chair of all of the laboratory sessions

2007 Veterinarian at the Hatboro Dog Show, October 5, 2007

2013-2014 ACVS Veterinary Symposium Abstract review committee for Small Animal General Surgery

Reviewer Positions:

1996 Metabolic Brain Disease

1999-present Journal of Veterinary Surgery
 2003 Journal of Zoo and Wildlife Medicine
 2003 Journal Veterinary Emergency and Critical Care
 2007-present Journal of the American Animal Hospital Association
 2010-present Canadian Veterinary Journal
 2011-present Journal of Small Animal Practice
 2012-present Journal of Veterinary Internal Medicine
 2015-present American Journal of Veterinary Research
 2016-present Research in Veterinary Science
 2016-present BMC Veterinary Research
 2018-present Veterinary Record
 2018-present Journal of Feline Medicine and Surgery

Clinical Service:

<u>Title of Service</u>	<u>Years</u>	<u>Mo/yr</u>	<u>Wks/mo</u>	<u>Days/wk</u>	<u>Hrs/wk</u>
Senior Research Investigator	1997-2000	8mo/yr	4wk/mo	5-7 days/wk	40hrs
Assistant Professor of Surgery, C.E.	2000-2006	8mo/yr	4wk/mo	5-7 days/wk	40hrs
Associate Professor of Surgery, C.E.	2006-2013	8mo/yr	4wk/mo	5-7 days/wk	40hrs
Professor of Surgery, C.E.	2013-present	8mo/yr	4wk/mo	5-7 days/wk	40hrs

Teaching Aids:

- Computer Aided Learning project: Problems of Small Animal Gastroenterology
 Robert J. Washabau, Project Coordinator
 Case #4- A portosystemic shunt in a cat; Summer 2001
 Case #6- Canine intussusception; Summer 2002
- Mock Practical for those studying for the ACVS certification examination, January 2000, 2001, 2002, 2003, 2004, 2005

3. Mock oral for those studying for the ACVS certification examination, January 2003, 2004, 2005
4. Microvascular Surgical Laboratory and lecture for surgical residents, June 2011, February 2017, April 2022, June 2023
5. Feline Club-Feline handling lab, March 2014
6. Mock Practical for those studying for the ACVS certification examination, 2020

Publications

Original Peer-reviewed Papers in Refereed Journals, * Faculty mentor

1. **Aronson LR**, Gregory CR. Infectious pericardial effusion in five dogs. *Vet Surg* 1995; 24:402-407.
2. **Aronson LR**, Drobotz K. Acetaminophen toxicosis in 17 cats. *J of Vet Emer Crit Care* 1996; 6:65-69.
3. Butterworth J, Gregory CR, **Aronson LR***. Selective alterations of cerebrospinal fluid amino acids in dogs with congenital portosystemic shunts. *Metabolic Brain Disease* 1997;12:299-306.
4. Gregory CR, Mathews KG, **Aronson LR**, Ilkiw JE, LeCouter RA, Aldrich J. Central nervous system disorders following renal transplantation in cats. *Vet Surg* 1997;26:386-392.
5. **Aronson LR**, Gacad RC, Kaminsky-Russ K, Gregory CR, Mullen KD. Endogenous benzodiazepine activity in the peripheral and portal blood of dogs with portosystemic shunts. *Vet Surg* 1997;26:189-194.
6. **Aronson LR**, Gregory CR. Possible hemolytic uremic syndrome in three cats after renal transplantation and cyclosporine therapy. *Vet Surg* 1999;28:135-140.

7. Kyles AE, Gregory CR, Wooldridge JD, Mathews KG, **Aronson LR**, Bernsteen L, Ilkiw JE. Management of hypertension controls postoperative neurological disorders after renal transplantation in cats. *Vet Surg* 1999;28:436-441.
8. Bernsteen L, Gregory CR, **Aronson LR**, Lirtzman RA, Brummer DG. Acute toxoplasmosis following renal transplantation in three cats and a dog. *J Am Vet Med Assoc* 1999;215:1123-1126.
9. Holt D, Saunders M, **Aronson LR**, Peikes H, Goldschmidt M, Haskal ZJ. Caudal vena cava obstruction and ascites in a cat treated by balloon dilation and endovascular stent placement. *Vet Surg* 1999;28:489-495.
10. Christianson J, Hottinger H, Phillips AL, **Aronson, LR***. Hepatic microvascular dysplasia in dogs: A retrospective study of 24 cases. *J Am Anim Hosp Assoc* 2000;36:385-389.
11. **Aronson LR**, Drobatz K. Hypercalcemia following renal transplantation in a cat. *J Am Vet Med Assoc* 2000;217:1034-1037.
12. Wooldridge J, Gregory CR, Mathews KG, **Aronson LR**, Kyles AE. The prevalence of malignant neoplasia in feline renal transplant recipients. *Vet Surg* 2002;31:94-97.
13. Weisse C, Drobatz K, **Aronson LR***. Traumatic ureteral rupture: 10 cases. *J Am Anim Hosp Assoc* 2002;38:188-192.
14. **Aronson LR**. Retroperitoneal fibrosis in four cats following renal transplantation. *J Am Vet Med Assoc* 2002;221:984-989.
15. Griffin A, Newton AL, **Aronson LR**, Brown DC, Hess RS. Disseminated *Mycobacterium avium* complex infection following renal transplantation in a cat. *J Am Vet Med Assoc* 2003;222:1097-1101.

16. Bouma JL, **Aronson LR***, Keith DM, Saunders M. Use of computed tomography renal angiography for screening feline renal transplant donors. *Vet Radiol and Ultrasound* 2003;44:636-641.
17. **Aronson LR**, Preston A, Bhalereo DP, Drobatz K, Giger U. Evaluation of erythropoiesis and changes in serum erythropoietin concentration in cats after renal transplantation. *Am J Vet Res* 2003;64:1248-1254.
18. Costello MF, Drobatz KJ, Brady CA, **Aronson LR**, King LG. Underlying cause, pathophysiological abnormalities and response to treatment in cats with septic peritonitis: 51 cases (1990-2001). *J Am Vet Med Assoc* 2004;225:897-902.
19. Puerto D, **Aronson LR***. Use of a semitendinosus myocutaneous flap for soft-tissue reconstruction of a Grade IIIB the open tibial fracture in a dog. *Vet Surg* 2004;33:629-635.
20. **Aronson LR**, Drobatz K, Hunter C, Mason N. Effects of CD28 blockade on subsets of naïve T cells in cats. *Am J Vet Res* 2005;66:483-491.
21. Snyder DM, Steffy M, Mehler SJ, Drobatz KJ, **Aronson LR***. Diagnosis and surgical management of ureteral calculi in dogs: 16 cases (1990-2003). *New Zealand Vet Journal* 2005;53:19-25.
22. Anderson C, **Aronson LR***, Drobatz KJ. Prognostic factors for successful outcome for dogs and cats with urethral injury. *J Am Anim Hosp Assoc* 2006;42:136-146.
23. **Aronson LR**, Kyles AE, Preston A, Drobatz K, Gregory CR. Renal transplantation in cats diagnosed with calcium oxalate urolithiasis:19 cases (1997-2004). *J Am Vet Med Assoc* 2006;228:743-749.
24. Case JB, Kyles AE, Nelson RW, **Aronson LR**, Kass PH, Klose TC, Bailiff NL, Gregory CR. Incidence and Risk Factors for Diabetes Mellitus in Cats Following Renal Transplantation. *J Am Vet Med Assoc* 2007;230:880-884.

25. Weinstein NM, Blais M-C, Harris K, Oakley DA, **Aronson LR**, Giger U. A new blood group in domestic shorthair cats: The *MIK* red cell antigen. *J of Vet Int Med* 2007;21:287-292.
26. McNulty B, **Aronson LR**. An Unusual Manifestation of *Toxoplasma gondii* infection in a cat following renal transplantation. *J Am Vet Med Assoc* 2008;232:1010-1012.
27. Cáceres AV, Bouma J, **Aronson LR**, Zwingenberger AL, Mai W. Characterization of feline renal vessel anatomy depicted with dual phase CT angiography. *Vet Rad and Ultrasound* 2008; 49:350-356.
28. Culp WT, **Aronson LR**. Splenic foreign body in a cat. *J of Fel Med Surg* 2008;10:380-383.
29. Culp WT, Drobatz KJ. Glassman MM. Baez JL. **Aronson LR**. Feline visceral hemangiosarcoma. *J of Vet Int Med* 2008;22:148-152.
30. Steinberg E, Drobatz KJ, **Aronson LR**. The effect of substrate composition and storage time on urine specific gravity in dogs. *J of Sm Anim Prac* 2009;50:536-539.
31. Palm CA, Mayhew PD, **Aronson LR***. Feline renal allograft rupture. *J of Fel Med and Surg* 12:330-333, 2010 Apr
32. Kinns J, **Aronson LR**, Hauptman J, Seiler G. Contrast enhanced ultrasound of the feline kidney. *Veterinary Radiology & Ultrasound*. 51(2):168-72, 2010 Mar-Apr.
33. **Aronson LR**, Stumhofer J, Drobatz KJ, Hunter CR. Affect of Cyclosporine, dexamethasone and CTLA4-Ig on production of cytokines in normal cats and those undergoing renal transplantation. *Am J Vet Res* 2011;72:541-549.
34. Roberts S, **Aronson LR***, Brown DC. Postoperative mortality in cats after ureterolithotomy. *Vet Surg* 2011;40:438-443.

35. **Aronson LR**. Insights into feline kidney transplants. *Today's Veterinary Practice* 2011;36-42.
36. Phillips H, **Aronson LR**. The successful use of end-to-side arterial and venous anastomotic techniques for canine clinical renal transplantation. *J Am Vet Med Assoc* 2012;240:298-303.
37. Lo AJ, Goldschmidt MG, **Aronson LR***. Osteomyelitis of the coxofemoral joint due to *Mycobacterium* spp. in a feline renal transplant recipient. *J of Fel Med and Surg* 14:919-923, 2012
38. Wormser C, Phillips H, **Aronson LR**. Retroperitoneal fibrosis in the feline renal transplant recipient (29 cases). *J Am Vet Med Assoc* 2013; 243:1580-1585.
39. Durham AC, Mariano AD, Homes ES, **Aronson LR**. Characterization of post transplantation lymphoma in feline renal transplant recipients. *J of Compar Path* 2014;150: 162-168.
40. Wormser C, Mariano AD, Holmes ES, **Aronson LR***, Volk SW. Post-transplant malignant neoplasia associated with cyclosporine-based immunotherapy: prevalence, risk factors and survival in feline renal transplant recipients. *Vet and Compar Oncol* 2014:1-9.
41. Snell W, **Aronson LR***, Phillips H, Beale L, Lorenza P. Influence of anesthetic variables on short-term and overall survival in 94 cats undergoing renal transplantation surgery. *J Am Vet Med Assoc* 2015;247:267-277.
42. Wormser C, Clarke DL, **Aronson LR**. End-to-end ureteral anastomosis and double pigtail ureteral stent placement for treatment of iatrogenic ureteral trauma in two dogs. *J Am Vet Med Assoc* 2015;247:92-97.
43. Phillips H, Occhipinti, **Aronson LR**. Septicemia and multifocal infection due to extended-spectrum beta-lactamase (ESBL)-producing *Klebsiella pneumoniae* following feline allograft transplantation. *J Am Anim Hosp Assoc* 2015;51:119-129.
44. Wormser C, **Aronson LR**. Peri-operative morbidity and long-term outcome of unilateral nephrectomy in feline kidney donors. *J Am Vet Med Assoc* 2016;248:275-281.

45. Wormser C, Clarke DL, **Aronson LR**. Perioperative complications, mortality, and outcome of ureteral surgery and stenting in cats: 117 cases (2006-2014). *J Am Vet Med Assoc* 2016; 248;518-526.
46. Flores R, Boudreaux MK, Vasquez B, Bristow P **Aronson LR**, Santoro-Beer K, Callan B. Heterozygosity for P2Y₁₂ receptor gene mutation associated with postoperative hemorrhage in a Greater Swiss Mountain dog. *Vet Clin Path* 2017;46: 569-574.
47. **Aronson LR**, Wormser C, Clereaux A. The use of a modified Boari Flap for the treatment of a proximal ureteral obstruction in a cat. *Vet Surg* 2018;47:578-585.
48. Phillips H, Ellison GW, Mathews K, **Aronson LR**, Schmiedt, Robello G, Selmic LE, Gregory CR. Validation of a model of feline ureteral obstruction as a tool for teaching microsurgery to veterinary surgeons. *Vet Surg* 2018;47: 357-366.
49. Adams DJ, Demchur JA, **Aronson LR**. Renal cell carcinoma in a cat with polycystic kidney disease undergoing renal transplantation. *J Fel Med Surg* 2018;4:1-6.
50. Nessar V, Reetz J, Clarke D, **Aronson LR**. Radiographic distribution of ureteral stones in 78 cats. *Vet Surg* 2018;47:895-901.
51. Wormser C, Drobatz K, Reetz J, **Aronson LR**. Utility of ultrasound for detecting the cause and location of ureteral obstruction in cats: 71 cases (2010-2016). *J Am Vet Med Assoc* 2019;254:710-715.
52. Eiger S, Mison M, **Aronson LR**. Congenital sternal defect repair in an adult cat with incomplete Pentology of Cantrell. *J Am Vet Med Assoc* 2019;254:1099-1104.
53. Muallem G, **Aronson LR**, Hunter C. Loss of the IL-27R α Results in Enhanced Tubulointerstitial Fibrosis Associated with Elevated Th17 Responses. *J of Immunology* 2020;205:377-386.

54. Ludwig H, Schlicksup MD, Beale L, **Aronson LR**. *Toxoplasma gondii* infection in the feline renal transplant recipient: 24 cases (1993-2018). J Am Vet Med Assoc 2021;Apr 15;258:870-876.
55. Shira Rosenblum, **Aronson LR**. Bilateral renal descensus and intravesicular ureteroneocystostomy for the treatment of bilateral ureteral ligation and transection during ovariohysterectomy in two cats. J Am Vet Med Assoc 2021;Nov 12;260:100-109.
56. Varner K, Barr C, Williams R, **Aronson LR**, Monique Pare. Carbon dioxide pneumothorax during laparoscopic cholecystocentesis in a dog. J Am Vet Med Assoc July 2022; 260:1178-1179. Anesthesia case of the month.
57. Chiamonte A, Anglin E, Tackas J, Spinelli M, Clarke D, **Aronson LR**. Transpelvic urethroscopy in a female dog with congenital vestibulovaginal and urethral stenosis: a case report. Vet Surg 2022; doi:10.1111/vsu.13769.
58. **Aronson LR**, Phillips H, Oyama MA. Characterization of preoperative cardiovascular status and association with outcome following feline renal allograft transplantation: 166 cases. J Am Vet Med Assoc Sept 2022; 260:1518-1525.
59. Christian D, Adamsii TA, Shallberg LA, Phan AT, Smith TE, Abraha M, Perry J, Ruthel G, Clark JT, Pritchard JH, **Aronson LR**, Gossa S, McGavern DB, Kedl RM, Hunter CA. cDC1 coordinate innate and adaptive responses in the omentum required for T cell priming and memory. Science Immunology Sept 7: 2022. <https://doi.org/10.1126/sciimmunol.abq7432>
60. Friday S, Oyama MA, Massey L, **Aronson LR**. Effect of metastatic calcification on complication rate and survival in 74 renal transplant cats (1998-2020). Vet Surg 2023;52:952-960.
61. Andrews C, Piegols H, **Aronson LR**. Dorsal rhinotomy in a dog with a chondro-osseous respiratory epithelial adenomatoid hamartoma: A case report. Accepted 12/2023 J AM Vet Med Assoc.

Books:

1. **Urinary Tract** section editor for the textbook *Soft Tissue Surgery*, Monnet (ed). Published by Blackwell 2013
 - a. Pathophysiology of renal disease
 - b. Urolithiasis of the upper urinary tract
 - c. Urolithiasis of the lower urinary tract
 - d. Ureteral ectopia and urinary incontinence
 - e. Urinary tract neoplasia
 - f. Urinary tract trauma
 - g. Urinary diversion procedures
 - h. Idiopathic renal hematuria

2. **Small Animal Surgical Emergencies**, Editor, published by Wiley–Blackwell and released December 2015.
3. **Small Animal Surgical Emergencies, 2nd edition**. Editor, published by Wiley–Blackwell. Release August 2022.

Book Chapters: ¶-peer reviewed

1. **Aronson LR**, Brown DC, Brockman DJ. Gastrointestinal emergencies. *Veterinary Clinics of North America: Small Animal Practice*, 30:555-579, 2000.
2. Brockman DJ, **Aronson LR**, Brown DC. A practical approach to hemoperitoneum in the dog and cat. *Veterinary Clinics of North America: Small Animal Practice*, 30:657-668, 2000. ¶
3. **Aronson LR**. Surgery of the rectum and anus. *Textbook of Small Animal Surgery*, third edition, Douglas Slatter ed, Chapter 43:682-707, 2003. ¶
4. **Aronson LR**. Nasal foreign bodies. *Textbook of Respiratory Diseases of the Dog and Cat*. King L (ed), Chapter 38:302-304, 2004. ¶

5. **Aronson LR.** Renal transplantation in companion animals. *Small Animal Surgery*, fourth edition, Bojrab, in press 2005.¶
6. **Aronson LR.** Kidney Transplantation. *Saunders Small Animal Critical Care Medicine*. Silverstein DC and Hopper K (ed). Chapter 151:651-657, 2009.¶
7. **Aronson LR.** Urosepsis. *Saunders Small Animal Critical Care Medicine*. Silverstein DC and Hopper K (ed). Chapter 114:490-493, 2009.¶
8. Langston C, **Aronson LR.** Renal Transplantation. *Textbook of Veterinary Internal Medicine*. Ettinger SJ and Feldman EC (ed). Chapter 310:1985-1990, 2010.
9. **Aronson LR.** Surgery of the rectum and anus. *Textbook of Small Animal Surgery*, Tobias and Johnston (eds). Chapter 94: 1564-1600, 2011.
10. **Aronson LR.,** Phillips H. Renal transplantation. *Textbook of Small Animal Surgery*, Tobias and Johnston (eds). Chapter 119: 2019-2032, 2011.
11. Phillips H, **Aronson LR.** Vascular Surgery. *Textbook of Small Animal Surgery*, Tobias and Johnston (eds). Chapter 108: 1854-1869, 2011.
12. **Aronson LR.** The Feline kidney and ureter. *Textbook of Feline Soft Tissue and General Surgery*. Sorrel Langley Hobbes (ed). Chapter 36: 401-422, 2014.
13. **Aronson LR.** Kidney Transplantation. *Saunders Small Animal Critical Care Medicine 2nd ed.* Silverstein DC and Hopper K (eds).Chapter 135:708-715, 2015.¶
14. **Aronson LR.** Urosepsis. *Saunders Small Animal Critical Care Medicine 2nd ed.* Silverstein DC and Hopper K (eds). Chapter 99:521-527, 2015.¶

15. **Aronson LR.** Update on the Current Status of Kidney Transplantation for Chronic Kidney Disease in Animals. *Veterinary Clinics of North America: Small Animal Practice, Chronic Kidney Disease*, Polzin and Cowgill (Eds). 1193-1218, 2016.
16. **Aronson LR.** Phillips H. Renal transplantation. *Textbook of Small Animal Surgery*, Tobias and Johnston (eds). 2nd edition. Chapter 119: 2263-2279, 2017.
17. Phillips H, **Aronson LR.** Vascular Surgery. *Textbook of Small Animal Surgery*, Tobias and Johnston (eds). 2nd edition. Chapter 108: 2093-2108, 2017.
18. Baines S, **Aronson LR.** Surgery of the rectum and anus. *Textbook of Small Animal Surgery*, Tobias and Johnston (eds). 2nd edition. Chapter 94: 1783-1827, 2017.
19. **Aronson LR.** Renal Transplantation. *Vet focus*, March 2020
20. **Aronson LR.** Upper Urinary Tract Urolithiasis. *Vet focus*, p 39-45, March 2020
21. **Aronson LR.** Kidney Transplantation. *Saunders Small Animal Critical Care Medicine* 3rd ed. Silverstein DC and Hopper K (eds). Accepted 2020.
22. **Aronson LR.** Urosepsis. *Saunders Small Animal Critical Care Medicine* 3rd ed. Silverstein DC and Hopper K (eds). Accepted 2020.
23. **Aronson LR.** Feline Renal transplantation. *Feline Emergency and Critical Care Medicine*. C Byers and M Giunti (eds) published 2021.
24. **Aronson LR** and Burneko M. Urinary tract obstruction Small animal surgical emergencies. Filippo Cinti, Matteo Rossanese and Marie Burneko (eds). Submitted Fall 2023
25. Burneko M and **Aronson LR.** Trauma of the urinary tract. Small animal surgical emergencies. Filippo Cinti, Matteo Rossanese and Marie Burneko (eds). Submitted Fall 2023

Submitted research papers:**Abstracts:**

1. **Aronson LR**, Drobatz K. Acetaminophen Toxicity in 17 Cats. Fourth International Veterinary Emergency and Critical Care Symposium, San Antonio, TX, 1994, proceedings pp 694
2. **Aronson LR**, Gacad RC, Kaminsky-Russ K, Gregory CR, Mullen KD. Endogenous benzodiazepine activity in the peripheral and portal blood of dogs with portosystemic shunts. House Officers Seminar Day, UC Davis School of Veterinary Medicine, Davis, CA, March, 1995
3. **Aronson LR**, Gacad RC, Kaminsky-Russ K, Gregory CR, Mullen KD. Endogenous benzodiazepine activity in the peripheral and portal blood of dogs with portosystemic shunts. American College of Veterinary Surgeons Symposium, Chicago, Ill, October 29-November 1, 1995, proceedings p 2, Vet Surg, 24:421,1995
4. **Aronson LR**, Gregory CR. Infectious pericardial effusion in five dogs, American College of Veterinary Surgeons Symposium, Chicago, Ill, October 29-November 1, 1995, Vet Surg 24:446, 1995, Poster
5. **Aronson LR**, Gacad RC, Kaminsky-Russ K, Gregory CR, Mullen KD. Evidence of gut production of “endogenous” benzodiazepines: implications for hepatic encephalopathy. American Gastroenterological Association and American Association for the Study of Liver Diseases. San Francisco, CA, May 1996
6. Gregory CR, Mathews KG, **Aronson LR**, Ilkiw JE, LeCouter RA, Aldrich J. Central nervous system disorders following renal transplantation in cats. American College of Veterinary Surgeons Symposium, San Francisco, CA, November 3-6, 1996, Vet Surg 25:425, 1996

7. **Aronson LR**, Gregory CR. Hemolytic uremic syndrome in three cats after renal transplantation, American College of Veterinary Surgeons Symposium, Orlando, FL, October 16-19, 1997, Vet Surg 26;436, 1997, Poster
8. Kyles AE, Gregory CR, Wooldridge JD, Mathews KG, **Aronson LR**, Bernsteen L, Ilkiw JE. Management of hypertension controls postoperative neurological disorders after renal transplantation in cats. American College of Veterinary Surgeons Symposium, Chicago, Ill, October 8-11, 1998, Vet Surg 27:511, 1998
9. Wooldridge J, Gregory CR, Mathews KG, **Aronson LR**. The prevalence of malignant neoplasia in feline renal transplant recipients. American College of Veterinary Surgeons Symposium, Chicago, Ill, October 8-11,1998, Vet Surg 27:523, 1998
10. Bernsteen L, Gregory CR, **Aronson LR**, Lirtzman RA, Brummer DG. Acute toxoplasmosis following renal transplantation in 3 cats and a dog. American College of Veterinary Surgeons Symposium, San Francisco, CA, September 30-October 3, 1999, Vet Surg 28;410, 1999, **Best Poster Award**
11. Bouma JL, **Aronson LR**, Keith DG, Saunders M. CT Angiography: Renal vascular imaging of the potential feline renal donor. Presented at the Veterinary Radiology annual scientific meeting, Chicago, IL, November 29, 2000. Veterinary Radiology & Ultrasound, 41:570, 2000
12. Mason N, **Aronson LR**. The use of Carboxy Fluorescein Diacetate Succinimidyl Ester (CFSE) to determine the proliferative capacity of lymphocyte subsets in the cat. 19th Annual American College of Veterinary Internal Medicine Forum. Denver CO, May 23-26, 2001, J Vet Intern Med 15;295, 2001
13. **Aronson LR**, Preston A, Bhalereo DP, Giger U. Erythropoiesis and resolution of anemia following renal transplantation in cats. 20th Annual American College of Veterinary Internal Medicine Forum, Dallas TX, May 29, 2002, J Vet Intern Med 16;350, 2002

14. Costello MF, Drobatz KJ, Brady CA, **Aronson LR**, King LG. Underlying cause, pathophysiological abnormalities and response to treatment in cats with septic peritonitis: 51 cases (1990-2001). Eighth International Veterinary Emergency and Critical Care Symposium. San Antonio, Texas, Sept 4-8, 2002, J Vet Emerg Crit Care 12;191, 2002
15. **Aronson LR**, Mason N, Hunter C. The effect of CTLA4-Ig on feline lymphocyte proliferation in vitro. American College of Veterinary Surgeons Symposium. San Diego, CA October 17-20, 2002, Vet Surg 31;475, 2002
16. **Aronson LR**, Kyles AE, Preston A, Drobatz, K, Gregory,CR. Renal transplantation in cats diagnosed with calcium oxalate urolithiasis: 19 cases (1997-2004). Published in the proceedings of the American College of Veterinary Surgeons Symposium. Denver, CO, October 9, 2004
17. **Aronson LR**, Kyles AE, Preston A, Drobatz K, Gregory CR. Renal transplantation in cats diagnosed with calcium oxalate urolithiasis: 19 cases (1997-2004). American College of Veterinary Internal Medicine Symposium, June 1-4, 2005, Baltimore, MD, Proceedings from the 1st annual Symposium on Renal Transplantation
18. Kyles AE, Sankaran S, Moore PF, Ma T, **Aronson LR**, Lowenstine LJ, Gregory CR. Post-transplant lymphoproliferative disorders (PTLD) in cats. Submitted for presentation to the American Society of Transplantation, Seattle, WA, May 20-25, 2005
19. Culp WT, Drobatz KJ, Glassman MM, Baez JB, **Aronson LR**. Feline visceral hemangiosarcoma: 26 cases (1990-2005). Presented at the American College of Veterinary Surgeons Symposium, Washington, DC, October 4-7, 2006
20. Payne JD, Schwartz T, **Aronson LR**. Cardiac and aortic mineralization in feline chronic renal failure patients presenting for renal transplantation. Presented at the American College of Veterinary Surgeons Symposium. Washington, DC, October 4-7, 2006

21. Reynolds JB, McNeil C, Volk S, Mauldin E, **Aronson LR**. Visceral Mast Cell Disease in Cats. Accepted for presentation at the American College of Veterinary Surgeons Symposium ACVS. Washington, DC, October 4-7, 2006
22. Cáceres AV, Bouma J, **Aronson LR**, Zwingenberger AL, Saunders M. Characterization of feline renal vessel anatomy depicted with dual phase CT angiography. Presented at the American College of Veterinary Radiology Symposium. Chicago, Ill, 2006
23. **Aronson LR**, Stumhofer J, Hunter C. Feline cytokine gene expression in a model of feline renal transplantation. Presented at American College of Veterinary Surgeons Symposium. Chicago, Ill, October 20, 2007
24. **Aronson LR**. Feline ureteral surgery-panel discussion. American College of Veterinary Surgeons Symposium. Chicago, Ill, October 20, 2007
25. Berent A, Mayhew PD, **Aronson LR**, Weisse C. Ureteral stenting in dogs and cats. American College of Veterinary Surgeons Symposium. Chicago, Ill, October 20, 2007
26. **Aronson LR**, Stumhofer J, Drobatz K, Hunter C. Feline cytokine protein expression in a model of feline renal transplantation. Presented at American College of Veterinary Internal Medicine Symposium. San Antonio, TX, June 7, 2008
27. Mexas AM, Kane C, Flake A, **Aronson LR**, Riley J, Mason N. Characterization and Ex Vivo Expansion of Canine Regulatory T Cells for Use in Clinical Transplantation Medicine. Poster presented at the 125th Anniversary Research Symposium of the University of Pennsylvania School of Veterinary Medicine. Philadelphia, PA, June 17, 2009
28. **Aronson LR**, Stumhofer J, Drobatz K, Hunter C. Measurement of Feline Cytokine Gene Expression in a Model of Feline Renal Transplantation. Poster presented at the 125th Anniversary Research Symposium of the University of Pennsylvania School of Veterinary Medicine. Philadelphia, PA, June 17, 2009

29. Durham A, Donahue A, Holmes E, **Aronson LR**. Characterization of post transplantation lymphoma in feline renal transplant recipients. Poster presented at the Research Retreat of the University of Pennsylvania School of Veterinary Medicine-New Bolton Center. Philadelphia, PA, June 10, 2011
30. Snell W, **Aronson LR**, Beale L, Phillip H, Larenza MP. Retrospective descriptive evaluation of 100 anesthetic records of cats undergoing renal transplant surgery: preliminary results. Poster presented at the Research Retreat of the University of Pennsylvania School of Veterinary Medicine-New Bolton Center. Philadelphia, PA, June 10, 2011
31. Holmes E, **Aronson LR**. Malignant neoplasia following renal transplantation in cats Presented at the American College of Veterinary Surgeons Symposium. Chicago, Ill, November 3, 2011
32. Schliksup M, **Aronson LR**. Toxoplasma gondii infection in the feline renal transplant recipient. Presented at the American College of Veterinary Surgeons Symposium. Chicago, Ill, November 4, 2011
33. Durham A, Donahue A, Holmes E, **Aronson LR**. Characterization of post transplantation lymphoma in feline renal transplant recipients. Presented at the American College of Veterinary Pathologists and the American Society for Veterinary Clinical Pathology. Nashville, TN, December 2011
34. Snell W, **Aronson LR**, Larenza MP. Retrospective descriptive evaluation of 100 anesthetic records of cats undergoing renal transplant surgery: preliminary results. House Officer Seminar Day, University of Pennsylvania, Philadelphia, Pa, June 2012
35. Snell W, **Aronson LR**, Larenza MP. Retrospective descriptive evaluation of 100 anesthetic records of cats undergoing renal transplant surgery: preliminary results. Submitted for presentation at the American College of Veterinary Surgeons Symposium. Washington, DC, November 2012

36. Wormser C, Phillips H, **Aronson LR**. Retroperitoneal fibrosis in feline renal transplant recipients. Presented at the University of Pennsylvania House Officer Research Day, June 2013
36. Wormser C, Phillips H, **Aronson LR**. Retroperitoneal fibrosis in the feline renal transplant recipient (29 cases). American College of Veterinary Surgeons Symposium. San Antonio, TX, October 2013. Poster presentation.
37. Wormser C, **Aronson LR**. Peri-operative morbidity and long-term outcome of unilateral nephrectomy in feline kidney donors. House Officer Seminar Day, University of Pennsylvania, Philadelphia, Pa, June 2014
38. Wormser C, Clarke DL, **Aronson LR**. Perioperative complications, mortality, and outcome of ureteral surgery and stenting in cats: 117 cases (2006-2014). ACVIM, Indianapolis, IN, June 2015
39. Phillips H, Ellison G, Mathews K, **Aronson LR**. Validation of a model of ureteral obstruction as a tool for teaching microsurgery to veterinary surgeons. Poster presentation. American College of Veterinary Surgeons Symposium, Nashville, TN, 2015
40. Phillips H, Oyama M, **Aronson LR**. Characterization of preoperative cardiovascular status and association with outcome following feline renal allograft transplantation. Abstract presentation at the Society of Veterinary Soft Tissue Surgery, Jackson Hole Wyoming, June 14-16, 2016
41. **Aronson LR**, Cleroux A, Wormser C. The use of a modified Boari flap for the treatment of a proximal ureteral obstruction in a cat. American College of Veterinary Surgeons Symposium. Seattle WA, October 2016. Poster presentation.

42. Muallem G, **Aronson LR**, Hunter C. The Endogenous Regulator IL-27 Suppresses Th17 Responses in the Kidney to Ameliorate Renal Fibrosis in a Model of Obstructive Kidney Disease. Accepted for presentation Mid-Atlantic Young Investigator's Forum, March 2017.
43. Muallem G, **Aronson LR**, Hunter C. The endogenous regulator IL-27 suppresses Th2 and Th17 responses in the kidney to ameliorate renal fibrosis in a model of obstructive kidney disease Accepted for presentation American Association of Immunologists, May 2017.
44. Muallem G, **Aronson LR**, Hunter C. The endogenous regulator IL-27 suppresses Th2 and Th17 responses in the kidney to ameliorate renal fibrosis in a model of obstructive kidney disease Accepted for poster presentation American Association of Immunologists, May 2017.
45. Muallem G, **Aronson LR**, Hunter C. The Cytokine IL-27 Abrogates Renal Fibrosis by Suppressing Th17 Responses in the Kidney. Submitted DOM Research Day, May 2017.
46. Nessar V, Reetz J, Clarke D, **Aronson LR**. Radiographic distribution of ureteral stones in 78 cats. House Officer Seminar Day, University of Pennsylvania, Philadelphia, Pa, 2017
47. Cole S, **Aronson LR**. Comparison of Urine Cytokines from Dogs with Urinary Carcinoma and lower urinary tract infections. Presented at the American Association of Veterinary Laboratory Diagnosticians, Providence, RI, October 2019
48. Friday S, Oyama MA, Massey L, **Aronson LR**. Metastatic calcification in the feline renal transplant recipient. American College of Veterinary Surgeons Symposium. Portland, OR, October 2022. Resident forum.
49. **Aronson LR**, Phillips H, Oyama MA. Characterization of preoperative cardiovascular status and association with outcome following feline renal allograft transplantation: 166 cases. Abstract presented at American College of Veterinary Surgeons Symposium. Portland, OR, October 2022.

Grants:

Name of Grant	Funding Agency	Period of Grant	Type of Grant	Role in Grant	Annual Direct Cost	Annual Indirect Cost	
Evidence of gut production of “endogenous” benzodiazepines: implications for hepatic encephalopathy	NIH	1995-1999	Research	Co-Principal Investigator			
CT Angiography: Renal vascular imaging of the potential feline renal donor	CSP	2000-2001	Departmental Research Grant	Co-Principal Investigator	\$1,500	\$0	
Erythropoiesis and changes in serum erythropoietin concentration in cats following renal transplantation	CSP	2000-2001	Departmental Research Grant	Principal Investigator	\$1,500	\$0	
Blockade of CD28 causes selective immunosuppression of naïve T cell subsets in the cat	Private donor	2001-2003	Gift	Principal Investigator	\$3,966.38		
Changes in serum erythropoietin concentration and hematological parameters in feline kidney donors after renal transplantation	CSP	2002-2003	Departmental Research Grant	Co-Principal Investigator	\$1,500	\$0	
Effect of immunosuppressive drugs on feline T cell responses to pathogens	University	2008-2009	University Research Foundation Grant	Principal Investigator	\$23,162.50	\$0	
Effect of immunosuppressive drugs on feline T	Department of Pathobiolo	Jan 2009- June 2009	Infectious Disease Research	Principal Investigator	\$12,000	\$0	

cell responses to pathogens	gy		Fellowship				
Research in the field of canine renal transplantation	Private donor	2009	Gift	Principal Investigator	\$28,220.00	\$7,055	
Evaluation of ex vivo expansion techniques to generate functional immunosuppressive regulatory T cells for use in clinical transplantation medicine	NIH/Merck Summer research Training Grant	June 2010-August 2010	Foundation	Co- Principal Investigator	\$5,499.00	\$0	
Pharmacokinetic study evaluating the effects of Treanda/Celator Probenda17 (PB17) in tumor bearing dogs	Cephalon	2011-2012	Corporate	Principal Investigator	\$19,984.00	\$5,196	
Kidney Donor Program	Private donor	2017	Gift		\$60,000.00		
IL-27 suppresses M2 macrophages and polyfunctional CD4 ⁺ T cells to ameliorate renal fibrosis in a model of obstructive kidney disease	NIDDK	2018-2023	K08	Data preparation	\$156,700	\$12,536	
Renal transplant program	Private donor	2018	Gift		\$75,000.00		
Renal transplant program	Private donor	2020	Gift		\$30,000.00		

Untargeted plasma metabolomics and biomarker, DNA and microbiome assessments in cats with and without chronic kidney disease (CKD)	PURINA	2022	Corporate	Principal Investigator	119,372.20	46,555.55	
Renal transplant program	Private donor	2021	Gift		\$15,000.00		
Renal transplant program	Private donor	2022	Gift		\$7500.00		
Renal transplant program	Private donor	2023	Gift		\$7533.50		

Academic Committees at the University of Pennsylvania:

1999-2000	Oncology search committee
2000-2001	Internal Medicine search committee
2001-2004	Cardiology search committee
2001-2002	Internal Medicine (infectious disease) search committee
2003-2004	Soft Tissue Surgery search committee (Chair)
2003-present	Committee on student's rights and responsibilities
2004-2006	Ophthalmology search committee
2006-2008	Subcommittee for evaluation of the Oncology program
2006-2008	Clinical Studies-Philadelphia Department Chair Search committee
2006-2008	Emergency Medicine search committee (Chair)
2007-2009	Long range planning committee
2009-2012	Chair- Long range planning committee
2011-2016	Academic Clinician committee
2011-June	Ad hoc committee regarding authorship dispute

2011-2017	Merit committee
2011-present	Diversity Search Advisor-Department of Clinical Studies
2011-2013	Orthopedic Surgery search committee (Chair)
2012-present	Working group for clinical faculty strategic planning
2014-2015	PADLS review committee (Chair)
2014-present	Faculty Counsel
2014-2015	Merit committee (Chair)
2014-2015	Surgical Oncology search committee (Co-chair)
2015	Task force on Gross Anatomy
2017-2018	Orthopedic Surgery search committee (Chair)
2017-2019	Hospital vision committee
2017-2019	Faculty review committee
2017-present	Committee for Appointments and Promotions (ad hoc)
2018-2019	Orthopedic Surgery search committee, AC position (Chair)
2018-2020	Soft Tissue Surgery search committee- MIS
2019	Emergency Critical Care search committee (on hold)
2021	Soft Tissue Surgery search committee, AC (Chair)
2021-present	Ad Hoc advisory committee to the Department Chair, Dr. Mark Oyama
2021-present	Emergency Critical Care search committee, CE and AC
2022	Anesthesia search committee, AC (Chair)
2023	Part Time Clinical Associate position in Internal Medicine (Chair)

Residents Trained in Small Animal Surgery:

Christopher Hill	Surgery	1997-1998	Diplomate ACVS-private practice
Arthur Jankowski	Surgery	1997-1998	Diplomate ACVS-private practice
Eileen Heldman	Surgery	1997-1999	Diplomate ACVS-private practice
Prue Neath	Surgery	1997-1999	Diplomate ACVS-Animal Health Trust
Todd Murphy	Surgery	1997-2000	Diplomate ACVS-private practice
Greg Griffin	Surgery	1997-2000	Diplomate ACVS-private practice
Dave Puerto	Surgery	1998-2001	Diplomate ACVS-private practice
Jeffrey Christiansen	Surgery	1998-2001	Diplomate ACVS-private practice
Chick Weisse	Surgery	1999-2002	Diplomate ACVS-Staff Surgeon AMC
Garrett Davis	Surgery	1999-2002	Diplomate ACVS-private practice
Hillary Fordyce	Surgery	2000-2002	Private practice

Sue Volk	Surgery	2000-2003	Diplomate ACVS-Assistant Prof- UPenn
Matt Nicholson	Surgery	2000-2003	Diplomate ACVS-Assistant Prof-VTech
Phil Mayhew	Surgery	2001-2004	Diplomate ACVS-Assistant Prof- UC Davis
Dave Snyder	Surgery	2001-2004	Diplomate ACVS-private practice
Jennifer Smelstoy	Surgery	2001-2004	Diplomate ACVS-Private practice
Robert Richardson	Surgery	2002-2003	deceased
Heidi Phillips	Surgery	2002-2005	Diplomate ACVS-Staff Vet- UPenn
Rochelle Anderson	Surgery	2002-2005	Diplomate ACVS-private practice
Joe Bills Reynolds	Surgery	2003-2005	Private practice
Justin Payne	Surgery	2003-2006	Diplomate ACVS-private practice
Steve Mehler	Surgery	2003-2006	Diplomate ACVS-Industry
Deanna Worley	Surgery	2004-2007	Diplomate ACVS- Assistant Prof
Adrienne Bentley	Surgery	2004-2007	Diplomate ACVS-private practice
Callie Freeman	Surgery	2004-2005	Private practice
Bill Culp	Surgery	2005-2008	Diplomate ACVS- Assistant Prof- UC Davis
Oliver Morgan	Surgery	2005-2008	Diplomate ACVS-private practice
Kelli Russell	Surgery	2005-2008	Diplomate ACVS-Staff surgeon-UC Davis
Mary Lauren Mesich	Surgery	2006-2009	Diplomate ACVS-Private practice
Rebecca Lin	Surgery	2006-2009	Diplomate ACVS-Private practice
Sarah Gower	Surgery	2006-2009	Diplomate ACVS-Private practice
Scott Roberts	Surgery	2007-2010	Diplomate ACVS-Private practice
Jeff Runge	Surgery	2007-2010	Diplomate ACVS-Lecturer UPenn
Ezra Steinberg	Surgery	2007-2010	Diplomate ACVS-Private practice
Mike Schlishup	Surgery	2008-2011	Diplomate ACVS-Lecturer, UPenn
Elaine Holmes	Surgery	2008-2011	Diplomate ACVS-Private Practice
Michelle Gufrido	Surgery	2008-2011	Diplomate ACVS Surgical Onc fellowship
Georga Karbe	Surgery	2009	Surgical Intern
Jaime Green	Surgery	2009-2012	Diplomate ACVS-Private practice
Megan Kruse	Surgery	2009-2012	Diplomate ACVS-Private practice
Todd Hamilton	Surgery	2010-2013	Private practice
Annie Lo	Surgery	2010-2013	Private practice
William Snell	Surgery	2011-2013	Private practice-did not complete residency
Krista Cioffi	Surgery	2011-2014	Private practice
Georga Karbe	Surgery	2011-2014	Private practice
Jeff Barnett	Surgery	2012-2014	Private practice
Jacob Rubin	Surgery	2012-2015	Private practice
Chloe Wormser	Surgery	2012-2015	Staff Vet University of Pennsylvania
Owen Fink	Surgery	2013-2016	Private practice
Heidi McDevitt	Surgery	2013-2016	Private practice
Katie Myers	Surgery	2014-2017	AC University of Pennsylvania
Joel Tackas	Surgery	2014-2017	Private practice
Valerie Nesser	Surgery	2015-2018	Private practice
Brian Brophy	Surgery	2015-2018	Private practice
Christine Hseugh	Surgery	2016-2019	Private practice
Mary Dell Deweese	Surgery	2016-2019	Private practice

Kate Morris	Surgery	2016-2019	Private practice
Kristen Bailey	Surgery	2017-2020	Private practice
Hillary Ludwig	Surgery	2017-2020	Private practice
Marie Burneko	Surgery	2018-2021	Lecturer
Rachel Williams	Surgery	2018-2021	Private practice
Tiffany Kan	Surgery	2019-2022	Private practice
Hunter Piegols	Surgery	2019-2022	Surgical Oncology fellowship
Brittany Abrams	Surgery	2019-2022	Private practice
Ciara Curcillo	Surgery	2020-2023	Private practice
Sarah Friday	Surgery	2020-2023	Private practice
Samuel Burkhart	Surgery	2021-present	3rd year resident
Allison Billas	Surgery	2021-present	3rd year resident
Alysha McGrath	Surgery	2022-present	2nd year resident
Isabella Hildebrandt	Surgery	2022-present	2nd year resident
Maya Sekhar	Surgery	2022-present	1st year resident
XiaoXiao Lederer	Surgery	2023-present	1st year resident
Camille Duvieusart	Surgery	2023-present	1st year resident

Professional Educational Presentations:

Lectures by invitation with Published Proceedings: Scientific presentation

1998, 98th Penn Annual Conference, Adam's Mark Hotel, Philadelphia, PA, Feline Renal Transplantation. 50 minute lecture, 4 pages

1998, The Southern New Jersey Veterinary Medical Association, Feline renal transplantation, 60 minutes, 4 pages

1998, 1998 Feline Symposium, University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA, Feline Renal Transplantation. 50 minute lecture, 2 pages

1999, American College of Veterinary Internal Medicine, Veterinary Medical Forum in Chicago, Illinois, Feline Renal Transplantation: Logistics and Outcomes, 50 minutes, 4 pages; Feline portosystemic shunts, 50 minutes, 3 pages

2000, Feline Symposium, University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA, Update on the feline renal transplant program, 50 minute lecture, 2 pages

2000, The Animal Medical Center, New York, NY, Acute toxoplasmosis following renal transplantation, 50 minutes, 4 pages; Update on the feline renal transplant program, 60 minutes, 4 pages

2001, Metropolitan New Jersey Veterinary Medical Association Annual Meeting, Red Bank, NJ, Surgical Management of Challenging Urinary Tract Disorders, 60 minutes, 4 pages; Feline Renal Transplantation, 60 minutes, 4 pages

2001, AFP Institute Conference, University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA, Feline Renal Transplantation, 50 minute lecture, 4 pages

2002, 102nd Penn Annual Conference, Adam's Mark Hotel, Philadelphia, PA, Renal Transplantation in Cats with Urolithiasis, 50 minute lecture, 2 pages; The New Stone Age: The Emerging Epidemic of Feline Urolithiasis, 50 minute lecture, 2 pages; Panel discussion: Case vignettes of cats with urolithiasis, 20 minute lecture

2002, American College of Veterinary Surgeons Symposium, San Diego, CA, Does renal transplantation make sense? 45 minutes

2003, The South American Veterinary Conference, Riocentro-RJ, na qualidade de Congressista, Rio de Janeiro, Brazil, Feline Renal Transplantation, 3 hours, 4 pages; Urinary Tract Trauma, 75 minutes, 3 pages; The Surgical Approach to Feline Urolithiasis, 75 minutes, 3 pages

2003, Montevideo Uruguay invited speaker, US Embassy, Montevideo, Uruguay, Feline Renal Transplantation, 90 minutes, 3 pages; Urinary Tract Trauma, 75 minutes, 3 pages; The Surgical Approach to Feline Urolithiasis, 75 minutes, 3 pages

2004, Advanced Renal Therapies Symposium, Animal Medical Center, New York, NY, Feline renal transplantation: recipient selection, 30 minutes, 2 pages; Feline renal transplantation: surgical technique, 30 minutes, 2 pages; Feline renal transplantation: complications, 90 minutes, 2 pages

2004, American College of Veterinary Surgeons Symposium, Denver, CO. October 7, 2004.
Feline urolithiasis, 30 minutes

2004, American Veterinary Medical Association, Philadelphia, PA, Feline Renal Transplantation, 90 minutes, 4 pages; Urinary Tract Trauma, 45 minutes, 3 pages; The Surgical Approach to Feline Urolithiasis, 45 minutes, 3 pages; Hemoabdomen, 45 minutes, 3 pages

2005, District of Columbia Academy of Veterinary Medicine, Inc. Fairfax, VA, Feline Renal Transplantation, 3 hours, 5 pages; Urinary Tract Trauma, 90 minutes, 4 pages; The Surgical Approach to Feline Urolithiasis, 90 minutes, 4 pages

2005, American College of Veterinary Internal Medicine Veterinary Medical Forum, Baltimore, MD, Current challenges in feline renal transplantation, 30 minutes, 4 pages

2005, 105nd Penn Annual Conference, Wyndham Hotel, Philadelphia, PA, Spontaneous pneumothorax, 25 minute lecture, 2 pages; Urinary tract trauma, 25 minute lecture, 2 pages

2005 American College of Veterinary Surgeons Symposium, San Diego, CA, Current challenges in feline renal transplantation. 30 minutes

2006, 106th Penn Annual Conference, Wyndham Hotel, Philadelphia, PA, Feline renal transplantation, 50 minute lecture, 4 pages; Feline renal transplantation for technicians, 50 minute lecture, 4 pages

2007, Internal Medicine Department, University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA, Feline Renal Transplantation-care selection and complications, 60 minutes

2008, American Association of Feline Practicioners, Atlanta, Georgia, Feline Renal Transplantation, 50 minutes, 5 pages; Urinary Tract Trauma, 50 minutes, 4 pages; The Surgical Approach to Feline Urolithiasis, 50 minutes, 4 pages

2008, American College of Veterinary Pathology/American Society of Veterinary Clinical Pathology, San Antonio, TX, Feline Renal Transplantation, 50 minutes, 5 pages

2009 American College of Veterinary Surgeons Symposium, Washington, DC, Long term results of renal transplantation in cats: management, complications and prognosis. 30 minutes, 4 pages

2010, Maryland Veterinary Medical Association, Ocean City, Maryland, Feline Renal Transplantation, 60 minutes; Surgical Approach to Urolithiasis, 60 minutes; Urosepsis in Companion Animals, Urinary Tract Trauma; 60 minutes; Gastrointestinal Surgical Emergencies, 120 minutes

2010, Research Retreat, University of Pennsylvania, School of Veterinary Medicine-New Bolton Center, Kennett Square, PA, Translating Cytokine Biologies into Therapies; 40 minutes

2011, International Cat Show, Pennsylvania Convention Center, Philadelphia, PA, Feline Renal Transplantation, 50 minutes

2011, American College of Veterinary Surgeons Symposium, Chicago, Ill, Update on renal transplantation, 30 minutes, 3 pages

2011, American College of Veterinary Surgeons Symposium, Chicago, Ill, Surgery of the feline ureter, 30 minutes, 4 pages

2012, Puerto Rico Veterinary Medical Association, San Juan, Puerto Rico, Urosepsis, 60 minutes; Urinary Tract Trauma, 60 minutes; The Surgical Approach to Urolithiasis, 60 minutes,

2012, Puerto Rico Veterinary Medical Association, San Juan, Puerto Rico, technician Session, gastrointestinal Surgical Emergencies, 120 minutes

2013, American College of Veterinary Surgeons Symposium, San Antonio, Texas, Complications of ureteral surgery, 30 minutes, 4 pages

2013, European College of Veterinary Internal Medicine, Liverpool, England. Mechanisms of Action and Complications of Long-Term Immunosuppression: Lessons From Use in Renal Transplantation, 30 minutes; Considerations in renal Transplantation, 30 minutes; Panel Discussion-the ethics of renal transplantation, 30 minutes.

2014, American College of Veterinary Surgeons Symposium, San Diego, CA, Ureteral surgery; to cut or to stent, 30 minutes, 4 pages

2015, National Feline Congress, La Guardia Spain, Surgery of the head and neck, 60 minutes, 4 pages; Emergency surgery of the gastrointestinal tract, 60 minutes, 5 pages; Surgical approach to urolithiasis, 75 minutes, 4 pages; Urinary tract trauma, 45 minutes, 4 pages; Feline renal transplantation, 60 minutes, 4 pages; Wounds and reconstruction, 60 minutes, 4 pages.

2015, Penn Annual Conference, Philadelphia, PA, Urinary tract trauma, 50 minutes, 4 pages

2015, **Key Note Speaker**. Society of Veterinary Soft Tissue Surgery, Santa Barbara CA, Ureteral surgery in dogs and cats, 120 minutes, 8 pages; Renal transplantation, 60 minutes, 5 pages

2015, Laboratory on Ureteral Surgery. American College of Veterinary Surgeons Symposium, Nashville, TN. 8 hours.

2016, Laboratory on Ureteral Surgery. American College of Veterinary Surgeons Symposium, Seattle, WA. 8 hours.

2017, Laboratory on Ureteral Surgery. American College of Veterinary Surgeons Symposium, Indianapolis, IN. 8 hours.

2017, Pennsylvania Medical Veterinary Association, Pittsburgh, PA Surgical approach to urolithiasis, 50 minutes, 4 pages; Urinary tract trauma, 50 minutes, 4 pages; Feline renal transplantation, 50 minutes, 4 pages; Wounds and reconstruction, 50 minutes, 4 pages; Surgery of the Head and Neck, 50 minutes; Urosepsis in dogs and cats, 50 minutes, 4 pages

2018, Saint-Petersburg Veterinary Surgical Conference, Saint-Petersburg Russia. Surgical approach to urolithiasis, 60 minutes, 4 pages; Urinary tract trauma, 60 minutes, 4 pages; Renal transplantation in companion animals, 60 minutes, 4 pages; Gastrointestinal emergencies, 120 minutes; Urosepsis in dogs and cats, 60 minutes, 4 pages

2019, Bath England AVSTS autumn meeting, Renal transplantation in companion animals, 60 minutes, Vascular surgery, 60 minutes, Ureteral surgery in dogs and cats, 120 minutes

2019, American College of Veterinary Surgeons Symposium, Las Vegas, NV, Urinary complications; round table discussion, 90 minutes

2020, Shiga, Japan, Advanced Program in Soft Tissue Surgery; Surgery of the liver, gall bladder and pancreas (1 day lecture and lab); Surgery of the urinary tract (1 day lecture and lab); Surgery of the reproductive tract (1 day lecture and lab)

2020, Penn Annual Conference, Virtual, Ureteral surgery in dogs and cats, 55 minutes, 6 pages

Lectures by invitation without Published Proceedings: Scientific presentation

1999, Feline Club, University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA, Feline renal transplantation, 60 minutes

2000, Grand rounds, University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA, Acute toxoplasmosis following renal transplantation, 50 minutes

2002, Laboratory of Chris Hunter, University of Pennsylvania, School of Veterinary Medicine
The effect of CTLA4-Ig, cyclosporine and prednisone on feline lymphocyte proliferation using 3Hthymidine and FACS analysis, 50 minutes

2002, Feline Club, University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA, Feline Renal Transplantation, 60 minutes

2002, Grand rounds, University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA, The effect of CTLA4-Ig an inhibitor of CD28/B7 interaction, on feline lymphocyte proliferation in vitro, 50 minutes

2006, Feline Club, University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA, Feline Renal Transplantation, 60 minutes

2007, Internal Medicine Department, University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA, Feline Renal Transplantation-care selection and complications, 60 minutes

2008, Ryan Hospital event, University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA, Feline Renal Transplantation, 20 minutes

2008, Anesthesia Department, University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA, Feline Renal Transplantation part 1, 60 minutes

2009, Nursing Department, University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA, Feline Renal Transplantation part 1, 60 minutes

2009, Laboratory of Chris Hunter, University of Pennsylvania, School of Veterinary Medicine
Measurement of feline cytokine protein expression in a model of renal transplantation, 50 minutes

2009, Hospital of the University of Pennsylvania, Department of renal electrolyte and hypertension, Feline Renal transplantation, 60 minutes

2010, Hospital of the University of Pennsylvania, Department of renal electrolyte and hypertension, Renal Transplantation in Companion Animals, 60 minutes

2011, Feline Club, University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA, Feline Renal Transplantation, 60 minutes

2011, International Cat Show, Pennsylvania Convention Center, Philadelphia, PA, Feline Renal Transplantation, 50 minutes

2011, 88th Annual Conference of the Federated Humane Societies, York, Pennsylvania, October 6th, Renal transplantation, 60 minutes

2012, Grand Rounds, University of Pennsylvania School of Veterinary Medicine, Philadelphia, PA. Renal Transplantation at Penn Vet: A comprehensive review of the first 14 years, 60 minute

2013, Penn Vet Surgical Series, Philadelphia, PA, The Surgical Approach to Urolithiasis, 60 minutes

2017, Ohio State Internal Medicine residents, Webinar, An Update on Renal Transplantation, 60 minutes

2017, Feline Club, University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA, Feline Renal Transplantation, 60 minutes

2018, Skyfield Veterinary Group, Philadelphia, PA, Feline Renal Transplantation, 60 minutes

2020, Medicine Resident Board Review, University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA, Ureteral Surgery in Dogs and Cats, 60 minutes

2021, Feline Club, University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA, virtual seminar on Feline Renal Transplantation, 60 minutes

2021, Advanced Urinary Care-virtual seminar, University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA, Introduction to the advanced urinary care service and advanced surgical treatment for the upper and lower urinary tract. 40 minutes

2021, Professional Foundations lecture and group discussion, University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA, 120 minutes

2022, Ureteral surgery in dogs and cats, Emergency and Critical Care residents and faculty, University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA, 55 min

2022, VET PD panel discussion on treatment options for lower urinary tract emergencies. International virtual seminar, September 2022. 180 min

2022, Advanced Urinary Care journal club presentation. Clinical outcomes of dogs with transitional cell carcinoma receiving medical therapy, with and without partial cystectomy 30 min.

2022, Advanced Urinary Care journal club and case presentation on hydraulic occluders in male dogs. September 2022, 30 min.

2023, VET PD panel discussion on treatment options for upper urinary tract emergencies. International virtual seminar, January 2023, 180 min

2023, Mexico Nephrology Course, Virtual seminar on Feline Renal Transplantation, January 2023, 60 min

2024, Advanced Urinary Care. Presented at Keystone, University of Pennsylvania, School of Veterinary Medicine, February 2024, 60 min.

2024, Ureteral surgery in dogs and cats, Medicine Board Review, University of Pennsylvania, School of Veterinary Medicine, Philadelphia, PA, 55 min

2024, VET PD panel discussion

Teaching Responsibilities

2000-2010	VSUR 601: Surgical Principles; gowning, gloving, draping, hand ties, basic suturing (lab 4 hours)
2011-present	VSUR 601: Surgical Principles gowning, gloving, draping, hand ties, basic suturing (lab 8 hours)
2000-present	VSUR 602: Clinical exercises- spay lab (lab 12-16 hours)
2000-2001	VSUR 603: Clinical Orthopedics (lab 2 hours)
2001-2002	VSUR 603: Clinical Orthopedics (lab 1 hour)
2000-2014	VCSP 646: Small Animal Surgery elective, Lectures: Renal transplantation (1 hour), Portosystemic shunts (2 hours)
2014-present	VCSP 646: Small Animal Surgery elective, Lectures: Portosystemic shunts (2 hours)
2000-present	VCSP 647: Small Animal Medicine and Surgery and Anesthesia-Ovariohysterectomy lab (lab 4-15 hours)
2000-2003	VMED 611: Medicine and Surgery, Surgery of the larynx and trachea (1 hr)
2006-present	VMED 611: Medicine and Surgery, Surgery of the larynx and trachea (1 hr)
2000-present	VMED 612: Surgery of the kidney and ureter (1 hr), Surgical approach to urolithiasis (1hr); Urinary tract trauma (1hr); Surgery of the penis and prepuce (1hr)
2000-2010	VMED 613: Surgery of the rectum and anus (1 hr); Surgery of the pancreas and spleen (1hr)
2011-present	VMED 613: Surgery of the pancreas and spleen (1hr)
2000-present	800,870, 890; Soft tissue surgery clinics; 4-5 days/week; 8 months/yr 800-STs foundation; 870-STs elective; 890 STs holiday rotation
2002-2003	6001 Immunology; Renal transplantation (1hr)
2002-2004	111, Introduction to Clinical Veterinary Medicine (1hr)
2010-2017	VTPH 604 Immunology; Renal transplantation and immunosuppressive therapy (2hr)

2022 (Spring)	Surgical Skills lab for Hippiatrika (3hr)
2023 (Fall)	Surgical Skills II lab for Hippiatrika (3hr)
2023	Upper airway disease- 3hr lab with new curriculum
2024 (Spring)	Surgical Skills lab for Hippiatrika- OVH, Castration (3hr)
2024 (Spring)	Surgical Skills lab for Hippiatrika- Instrument handling, suturing, hand ties (3hr)

Times I was not lecturing

July1, 2008 –December 31, 2008- Sabbatic

January 4, 2009-June 30, 2009- Infectious Disease Research Fellowship

July1-Sept 30, 2015; January 1-June 30, 2016- Sabbatic

TEACHING CHRONICLE DEPARTMENT OF CLINICAL STUDIES-PHILADELPHIA LILLIAN RUTH ARONSON

2000-2001

Quarter	Course number	Course name	Number of students	Lecture hours	Lab/clinical hours	Clinical contact
Q1-Q2	VSUR 601	Surgical Principles	116		4	
Q1-Q2	VSUR 602	Clinical Exercises	116		16	
Q3	VSUR 603	Clinical Orthopedics	116		2	
Q4	*VCSP 646	Small Animal Surgery	61	3		
Q4	VCSP 647	Small Animal Medicine & Surgery & Anesthesia	59		8	
Q3	VMED 6112004	Medicine & Surgery I	116	1		
Q1	VMED 612	Medicine & Surgery II	116	4		
Q2	VMED 613	Medicine & Surgery III	116	2		
Q1-Q4 + summer	8090,8190 8701	Soft Tissue Surgery	3-5 every 2 weeks			5 days/week 8 months/yr

*Course organizer

^aQ1= Sept/Oct; Q2=Nov/Dec; Q3=Jan/Feb; Q4=Mar/Apr; Summer = May, June, July, August

2001-2002

Quarter	Course number	Course name	Number of students	Lecture hours	Lab/clinical hours	Clinical contact
Q1-Q2	VSUR 601	Surgical Principles	111		4	
Q1-Q2	VSUR 602	Clinical Exercises	111		12	
Q3	VSUR 603	Clinical Orthopedics	111		1	
Q4	*VCSP 646	Small Animal Surgery	61	3		
Q4	VCSP 647	Small Animal Medicine & Surgery & Anesthesia	59		8	
Q4	VMED 611	Medicine & Surgery I	111	1		
Q1	VMED 612	Medicine & Surgery II	111	4		
Q2	VMED 613	Medicine & Surgery III	111	2		
Q1-Q4 + summer	8090,8190 8701	Soft Tissue Surgery	3-5 every 2 weeks			5 days/week 8 months/yr

*Course organizer

2002-2003

Quarter	Course number	Course name	Number of students	Lecture hours	Lab/clinical hours	Clinical contact
Q1-Q2	VSUR 601	Surgical Principles	111		4	
Q1-Q2	VSUR 602	Clinical Exercises	111		12	
Q2	6001	Immunology	111	1		
Q4	*VCSP 646	Small Animal Surgery	61	3		
Q4	VCSP 647	Small Animal Medicine & Surgery & Anesthesia	59		8	
Q4	VMED 611	Medicine & Surgery I	111	1		
Q1	VMED 612	Medicine & Surgery II	111	4		
Q2	VMED 613	Medicine & Surgery III	111	2		

Q1-Q4 + summer	8090,8190 8701	Soft Tissue Surgery	3-5 every 2 weeks			5 days/week 8 months/yr
Q3	VMED 600	Intro to clinical Vet Med	111	1		

*Course organizer

2003-2004

Quarter	Course number	Course name	Number of students	Lecture hours	Lab/clinical hours	Clinical contact
Q1-Q2	VSUR 601	Surgical Principles	111		4	
Q1-Q2	VSUR 602	Clinical Exercises	111		12	
Q4	*VCSP 646	Small Animal Surgery	63	3		
Q4	VCSP 647	Small Anim Medicine & Surgery & Anesthesia	59		8	
Q1	VMED 612	Medicine & Surgery II	111	4		
Q2	VMED 613	Medicine & Surgery III	111	2		
Q1-Q4 + summer	8090,8190 8701	Soft Tissue Surgery	3-5 every 2 weeks			5 days/week 8 months/yr
Q3	VMED 600	Intro to Clinical Vet Med	111	1		

*Course organizer

2004-2005

Quarter	Course number	Course name	Number of students	Lecture hours	Lab/clinical hours	Clinical contact
Q1-Q2	VSUR 601	Surgical Principles	113		4	
Q1-Q2	VSUR 602	Clinical Exercises	113		12	
Q4	*VCSP 646	Small Animal Surgery	65	3		
Q4	VCSP 647	Small Anim Medicine & Surgery & Anesthesia	66		8	
Q1	VMED 612	Medicine & Surgery II	112	4		
Q2	VMED 613	Medicine & Surgery III	112	2		
Q1-Q4 + summer	8090,8190 8701	Soft Tissue Surgery	3-5 every 2 weeks			5 days/week 8 months/yr

*Course organizer

2005-2006

Quarter	Course number	Course name	Number of students	Lecture hours	Lab/clinical hours	Clinical contact
Q1-Q2	VSUR 601	Surgical Principles	113		4	
Q1-Q2	VSUR 602	Clinical Exercises	113		12	
Q4	*VCSP 646	Small Animal Surgery		3		
Q4	VCSP 647	Small Anim Medicine & Surgery & Anesthesia			8	
Q1-Q4 + summer	8090,8190 8701	Soft Tissue Surgery	3-5 every 2 weeks			5 days/week 8 months/yr
Q3	VMED 600	Intro to Clinical Vet Med	111	1		

*Course organizer

2006-2007

Quarter	Course number	Course name	Number of students	Lecture hours	Lab/clinical hours	Clinical contact
Q1-Q2	VSUR 601	Surgical Principles	108		4	
Q1-Q2	VSUR 602	Clinical Exercises	104		12	
Q4	*VCSP 646	Small Animal Surgery		3		
Q4	VCSP 647	Small Anim Medicine & Surgery & Anesthesia	60		8	
Q1-Q4 + summer	VCSP 800, 810, 870	Soft Tissue Surgery	3-5 every 2 weeks			5 days/week 8 months/yr
Q3	VMED 611	Medicine & Surgery I	110	1		
Q1	VMED 612	Medicine & Surgery II	110	4		

Q2	VMED 613	Medicine & Surgery III	110	2		
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*Course organizer

2007-2008

Quarter	Course number	Course name	Number of students	Lecture hours	Lab/clinical hours	Clinical contact
Q1-Q2	VSUR 601	Surgical Principles	111		4	
Q1-Q2	VSUR 602	Clinical Exercises	105		12	
Q4	*VCSP 646	Small Animal Surgery	41	3		
Q4	VCSP 647	Small Anim Medicine & Surgery & Anesthesia	45		15	
Q1-Q4 + summer	VCSP 800, 810, 870	Soft Tissue Surgery	3-5 every 2 weeks			5 days/week 8 months/yr
Q3	VMED 611	Medicine & Surgery I	110	1		
Q1	VMED 612	Medicine & Surgery II	110	4		
Q2	VMED 613	Medicine & Surgery III	110	2		

*Course organizer

July 1, 2008 –December 31, 2008- Sabbatic-Laboratory of Dr. Christopher Hunter in the Department of Pathobiology

January 4, 2009-June 30, 2009- Infectious Disease Research Fellowship

2009-2010

Quarter	Course number	Course name	Number of students	Lecture hours	Lab/clinical hours	Clinical contact
Q1-Q2	VSUR 601	Surgical Principles	126		4	
Q1-Q2	VSUR 602	Clinical Exercises	112		12	
Q4	*VCSP 646	Small Animal Surgery	52	3		

Q4	VCSP 647	Small Anim Medicine & Surgery & Anesthesia	51		10	
Q1-Q4 + summer	VCSP 800, 810, 870	Soft Tissue Surgery	3-5 every 2 weeks			5days/week 8months/yr
Q3	VMED 611	Medicine & Surgery I	126	1		
Q1	VMED 612	Medicine & Surgery II	126	4		
Q2	VMED 613	Medicine & Surgery III	126	1		

*Course organizer

2010-2011

Quarter	Course number	Course name	Number of students	Lecture hours	Lab/clinical hours	Clinical contact
Q1-Q2	VSUR 601	Surgical Principles	126		8	
Q1-Q2	VSUR 602	Clinical Exercises	112		15	
Q4	*VCSP 646	Small Animal Surgery	52	3		
Q4	VCSP 647	Small Anim Medicine & Surgery & Anesthesia	51		8	
Q1-Q4 + summer	8090,8190 8701	Soft Tissue Surgery	3-5 every 2 weeks			5days/week 8months/yr
Q3	VMED 611	Medicine & Surgery I	126	1		
Q4	VTPH 604	Immunology	126	2		

*Course organizer

2011-2012

Quarter	Course number	Course name	Number of students	Lecture hours	Lab/clinical hours	Clinical contact
Q1-Q2	VSUR 601	Surgical Principles	126		8	
Q1-Q2	VSUR 602	Clinical Exercises	112		15	
Q4	*VCSP 646	Small Animal Surgery	52	3		
Q4	VCSP 647	Small Anim Medicine & Surgery & Anesthesia	51		8	
Q1-Q4 + summer	8090,8190 8701	Soft Tissue Surgery	3-5 every 2 weeks			5days/week 8months/yr
Q3	VMED 611	Medicine & Surgery I	126	1		
Q1	VMED 612	Medicine & Surgery II	126	4		
Q2	VMED 613	Medicine & Surgery III	126	1		
Q4	VTPH 604	Immunology	126	2		

*Course organizer

2012-2013

Quarter	Course number	Course name	Number of students	Lecture hours	Lab/clinical hours	Clinical contact
Q1-Q2	VSUR 601	Surgical Principles			8	
Q1-Q2	VSUR 602	Clinical Exercises			15	
Q4	*VCSP 646	Small Animal Surgery	TBD	3		
Q4	VCSP 647	Small Anim Medicine & Surgery & Anesthesia	TBD		8	

Q1-Q4 + summer	8090,8190 8701	Soft Tissue Surgery	3-5 every 2 weeks			5days/week 8months/yr
Q3	VMED 611	Medicine & Surgery I	TBD	1		
Q1	VMED 612	Medicine & Surgery II	117	4		
Q2	VMED 613	Medicine & Surgery III	117	1		
Q4	VTPH 604	Immunology	TBD	2		

*Course organizer

TBD-To be determined

2013-2014

Quarter	Course number	Course name	Number of students	Lecture hours	Lab/clinical hours	Clinical contact
Q1-Q2	VSUR 601	Surgical Principles			8	
Q1-Q2	VSUR 602	Clinical Exercises			15	
Q4	*VCSP 646	Small Animal Surgery	TBD	3		
Q4	VCSP 647	Small Anim Medicine & Surgery & Anesthesia	TBD		8	
Q1-Q4 + summer	8090,8190 8701	Soft Tissue Surgery	3-5 every 2 weeks			5days/week 8months/yr
Q3	VMED 611	Medicine & Surgery I	TBD	1		
Q1	VMED 612	Medicine & Surgery II	117	4		

Q2	VMED 613	Medicine & Surgery III	117	1		
Q4	VTPH 604	Immunology	TBD	2		

*Course organizer

TBD-To be determined

2014-2015

Quarter	Course number	Course name	Number of students	Lecture hours	Lab/clinical hours	Clinical contact
Q1-Q2	VSUR 601	Surgical Principles			8	
Q1-Q2	VSUR 602	Clinical Exercises			15	
Q4	*VCSP 646	Small Animal Surgery	TBD	2		
Q4	VCSP 647	Small Anim Medicine & Surgery & Anesthesia	TBD		8	
Q1-Q4 + summer	8090,8190 8701	Soft Tissue Surgery	3-5 every 2 weeks			5days/week 8months/yr
Q3	VMED 611	Medicine & Surgery I	TBD	1		
Q1	VMED 612	Medicine & Surgery II	117	4		
Q2	VMED 613	Medicine & Surgery III	117	1		
Q4	VTPH 604	Immunology	TBD	2		

*Course organizer

TBD-To be determined

July 1, 2015 – October 31, 2015- Sabbatic

January 1, 2016 –June 30, 2016- Sabbatic

2016-2017

Quarter	Course number	Course name	Number of students	Lecture hours	Lab/clinical hours	Clinical contact
Q1-Q2	VSUR 602	Clinical Exercises			15	
Q4	*VCSP 646	Small Animal Surgery	TBD	2		
Q4	VCSP 647	Small Anim Medicine & Surgery & Anesthesia	TBD		4	
Q1-Q4 + summer	8090,8190 8701	Soft Tissue Surgery	3-5 every 2 weeks			5days/week 8months/yr
Q3	VMED 611	Medicine & Surgery I	TBD	1		
Q1	VMED 612	Medicine & Surgery II	117	4		
Q2	VMED 613	Medicine & Surgery III	117	1		
Q4	VTPH 604	Immunology	TBD	2		

2017-2018

Quarter	Course number	Course name	Number of students	Lecture hours	Lab/clinical hours	Clinical contact
Q1-Q2	VSUR 602	Clinical Exercises			15	
Q4	*VCSP 646	Small Animal Surgery	TBD	2		
Q4	VCSP 647	Small Anim Medicine & Surgery & Anesthesia	TBD		4	

Q1-Q4 + summer	8090,8190 8701	Soft Tissue Surgery	3-5 every 2 weeks			5days/week 8months/yr
Q3	VMED 611	Medicine & Surgery I	TBD	1		
Q1	VMED 612	Medicine & Surgery II	117	4		
Q2	VMED 613	Medicine & Surgery III	117	1		
Q4	VTPH 604	Immunology	TBD	2		

2018-2019

Quarter	Course number	Course name	Number of students	Lecture hours	Lab/clinical hours	Clinical contact
Q1-Q2	VSUR 602	Clinical Exercises			15	
Q4	*VCSP 646	Small Animal Surgery	TBD	2		
Q4	VCSP 647	Small Anim Medicine & Surgery & Anesthesia	TBD		4	
Q1-Q4 + summer	8090,8190 8701	Soft Tissue Surgery	3-5 every 2 weeks			5days/week 8months/yr
Q3	VMED 611	Medicine & Surgery I	TBD	1		
Q1	VMED 612	Medicine & Surgery II	TBD	4		
Q2	VMED 613	Medicine & Surgery III	TBD	1		

2019-2020

Quarter	Course number	Course name	Number of students	Lecture hours	Lab/clinical hours	Clinical contact
Q1-Q2	VSUR 602	Clinical Exercises			15	
Q4	*VCSP 646	Small Animal Surgery	63	2		
Q4	VCSP 647	Small Anim Medicine & Surgery & Anesthesia	TBD		4	
Q1-Q4 + summer	8090,8190 8701	Soft Tissue Surgery	3-5 every 2 weeks			5days/week 8months/yr
Q3	VMED 611	Medicine & Surgery I	TBD	1		
Q1	VMED 612	Medicine & Surgery II	TBD	4		
Q2	VMED 613	Medicine & Surgery III	TBD	1		

2020-2021

Quarter	Course number	Course name	Number of students	Lecture hours	Lab/clinical hours	Clinical contact
Q1-Q2	VSUR 602	Clinical Exercises			15	
Q4	*VCSP 646	Small Animal Surgery	63	2		
Q4	VCSP 647	Small Anim Medicine & Surgery & Anesthesia				
Q1-Q4 + summer	8090,8190 8701	Soft Tissue Surgery	3-5 every 2 weeks			5days/week 8months/yr
Q3	VMED 611	Medicine & Surgery I		1		

Q1	VMED 612	Medicine & Surgery II		4		
Q2	VMED 613	Medicine & Surgery III		1		

2021-2022

Quarter	Course number	Course name	Number of students	Lecture hours	Lab/clinical hours	Clinical contact
Q1-Q2	VSUR 602	Clinical Exercises			15	
Q4	*VCSP 646	Small Animal Surgery		2		
Q4	VCSP 647	Small Anim Medicine & Surgery & Anesthesia				
Q1-Q4 + summer	800,890 870	Soft Tissue Surgery	3-5 every 2 weeks			5days/week 8months/yr
Q3	VMED 611	Medicine & Surgery I		1		
Q1	VMED 612	Medicine & Surgery II		4		
Q2	VMED 613	Medicine & Surgery III		1		
	VSUR 601	Surgical Principles			8	
Q4		Surgical skills lab II Hippiatrika			3	

2022-2023

Quarter	Course number	Course name	Number of students	Lecture hours	Lab/clinical hours	Clinical contact
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Q1-Q2	VSUR 602	Clinical Exercises			15	
Q4	*VCSP 646	Small Animal Surgery		2		
Q4	VCSP 647	Small Anim Medicine & Surgery & Anesthesia				
Q1-Q4 + summer	800,890 870	Soft Tissue Surgery	3-5 every 2 weeks			5days/week 8months/yr
Q3	VMED 611	Medicine & Surgery I		1		
Q1	VMED 612	Medicine & Surgery II		4		
Q2	VMED 613	Medicine & Surgery III		1		
	VSUR 601	Surgical Principles			8	
Q4		Surgical skills lab II Hippiatrika			3	

2023-2024- Additional lectures with new curriculum

Defense and Barriers- Surgery of the spleen (1hr)

Elimination and Detox- Surgery of the urinary tract (1hr); Surgical approach to urolithiasis (1hr);

Urinary tract trauma (1hr)

Reproduction and Development- Surgery of the penis (1hr)

Digestion and Metabolism- Surgery of the liver and exocrine pancreas (1hr)