

## **CURRICULUM VITAE**

Jan 30, 2020

**Matan Or, D.V.M., Ph.D. , BE- ECVS**

### **EDUCATION:**

- Sep 1999-Sep 2002:** Bachelor of Science in Animal Science (Magna cum Laude), Faculty of Agriculture, Hebrew University of Jerusalem, Israel; Amirim Honors Program with emphasis on academic research
- Sep 2002-Dec 2006:** Doctor of Veterinary Medicine, Koret School of Veterinary Medicine, Hebrew University of Jerusalem, Israel
- Sep 2012-Jul 2016:** Doctor in Philosophy, Faculty of Veterinary Medicine, Ghent University, Belgium

### **POSTDOCTORAL TRAINING AND FELLOWSHIPS:**

- Jan 2007–Feb 2008:** Hebrew University of Jerusalem, VTH, Rehovot, Israel  
Rotating Internship in Small Animal Medicine and Surgery
- Oct 2008–Feb 2009:** Hebrew University of Jerusalem, VTH, Rehovot, Israel  
Staff Veterinarian at the Small Animal Emergency Service
- Aug 2009–Jun 2011:** Knowledge Farm Referral Veterinary Center, Beit-Berel, Israel  
Small Animal Surgical Internship
- Aug 2011–Mar 2012:** Michigan State University Veterinary Teaching Hospital, EL, MI, USA  
Small Animal Surgical Fellowship Program
- Jun 2012–July 2016:** Ghent University Veterinary Teaching Hospital, Ghent, Belgium  
Small Animal Surgical Residency Program

### **MILITARY SERVICE:**

**Aug 1993–Aug 1998:** Israel Defense Force (compulsory service). Honorable discharge at rank of Captain.

**FACULTY APPOINTMENTS:**

**Jul 2016–Mar 2017:** Ghent University Veterinary Teaching Hospital, Ghent, Belgium  
Assistant Professor, Section of Small Animal Surgery

**May 2017– May 2019:** University of Pennsylvania, Veterinary Teaching Hospital, PA, USA  
Assistant Professor, Academic Clinician Track, Section of Small Animal Surgery

**Aug 2019– Present:** Knowledge Farm Referral Veterinary Center, Beit-Berel, Israel  
Small Animal Surgeon, Section of Small Animal Surgery +  
Mobile surgery service for Orthopedic and Soft tissue.

**CONTUNED CLINICAL EDUCATION TRAINNG:**

AO master course for angular limb deformity, AO advanced course, CBLO course, I-Loc nail course, Syncart resurfacing course, Microvascular surgery course, Total hip replacement course, Arthroscopy advanced course, Mis STS (laparoscopic/ thoracoscopic) advanced course. Advanced wound management course.

**RESEARCH and/or CLINICAL INTERESTS:**

Etiology of orthopedic disease. Evaluation of biomechanical properties of fracture stabilization. Development of new methods for evaluation and treatment of fractures and joint pathology. Orthopedic trauma. Etiology, pathogenesis, and treatment of portosystemic shunts. Evaluation of regenerative medicine for treatment of liver disease. Evaluation of hepatoencephalopathy using functional MRI/CT. Evaluate potential of liver transplantation in dogs including microsurgery. Etiology, pathogenesis, and treatment of wounds and respiratory diseases.

## LICENSURE:

State of Israel, license to practice veterinary medicine

## AWARDS, HONORS and MEMBERSHIP in HONORARY SOCIETIES:

- Sep 1999–Aug 2000:** Deans List Award, Hebrew University of Jerusalem, Rehovot, Israel
- Sep 2000–Aug 2001:** Deans List Award (Amirim program), Hebrew University of Jerusalem, Rehovot, Israel
- Sep 2001–Aug 2002:** Deans List Award (Amirim program), Hebrew University of Jerusalem, Rehovot, Israel. Award for outstanding academic achievement (Magna Cum Laude).
- Sep 2002–Aug 2003:** Deans List Award, Hebrew University of Jerusalem , Rehovot, Israel
- Sep 2003–Aug 2005:** Excellence in Anatomy Award, Hebrew University of Jerusalem, Rehovot, Israel. Received award for two consecutive years. Awarded to a DVM student who demonstrates excellence in teaching.
- Jan 2013–Jan 2017:** Surgeon-in-Training Research Grant Award, ECVS Grant, Ghent, Belgium. Awarded to an ECVS resident for a well-written residency research project

## PROFESSIONAL ASSOCIATIONS:

- 2006-2016:** Israel Veterinary Society
- 2012-present:** European College of Veterinary Surgery (ECVS)

## PUBLICATIONS (Peer-Reviewed):

1. **Or M**, Samish T, Waner T, Harrus S. Attenuation of Ehrlichia canis by multiple-passages in two different cell cultures. *Clinical Microbiology and Infection* 2009; 15 Suppl 2: 74-75.
2. Segal U, **Or M**, Shani J. Laterodistal transposition of the tibial crest in cases of patella luxation with alta composition. *Veterinary and Comparative Orthopaedics and Traumatology* 2012; 25: 281-285.

3. Spillebeen AL, **Or M**, Van Goethem B, De Rooster H. Negative pressure wound therapy to promote wound healing in companion animals. *Vlaams Diergeneeskundig Tijdschrift* 2013; 82: 191-200.
4. Devriendt, N, **Or M**, Paepe, D, Vandermeulen E, Hesta M, De Cock HEV, De Rooster H. Portal vein hypoplasia in dogs. *Vlaams Diergeneeskundig Tijdschrift* 2014; 83: 234-239.
5. **Or M**, Van Goethem B, Polis I, Spillebeen A, Vandekerckhove P, Saunders J, De Rooster H. Pedicle digital pad transfer and negative pressure wound therapy for reconstruction of the weight-bearing surface after complete digital loss in a dog. *Veterinary and Comparative Orthopaedics and Traumatology* 2015; 28: 140-144.
6. **Or M**, Ishigaki, K, de Rooster H, Kutara K, Asano K. Determination of porto-azygos shunt anatomy in dogs by computed tomography angiography. *Veterinary Surgery* 2016; 45: 1005-1012.
7. **Or M**, Kitshoff A, Devriendt N, De Ridder M, Quist-Rybachuk G, de Rooster H. Transdiaphragmatic approach to attenuate porto-azygos shunts inserting in the thorax. *Veterinary Surgery* 2016; 45: 1013-1018.
8. Lippens, S, Fucas A, **Or M**, Van Goethem B, Polis I, De Rooster H. Treatment of a chronic skin wound in a dog, using negative pressure wound therapy. *Vlaams Diergeneeskundig Tijdschrift* 2016; 85: 206-214.
9. De Ridder M, Kitshoff A, Devriendt N, **Or M**, Rubio-Guzman A. de Rooster H. Transdiaphragmatic pericardiectomy in dogs. *Veterinary Record* 2017; 28; 180(4): 95.
10. Devriendt N, Van Goethem B, Van Brantegem L, De Ridder M, Kitshoff A, **Or M**, de Rooster H. Comparison of a 5-mm and 10-mm vessel sealing device in an open ovariectomy model in dogs. *Veterinary Record* 2017; 28; 180(17): 425.
11. **Or M**, Peremans K, Martlé V, Vandermeulen E, Bosmans T, Devriendt N, de Rooster H. Regional cerebral blood flow assessed by single photon emission computed tomography (SPECT) in dogs with congenital portosystemic shunt and hepatic encephalopathy. *Veterinary Journal* 2017; 220: 40-42.
12. **Or M**, Van Goethem B, Kitshoff A, Koenraadt A, Schwarzkopf I, Bosmans T, de Rooster H. Negative pressure wound therapy using polyvinyl alcohol foam to bolster full-thickness mesh skin grafts in dogs. *Veterinary Surgery* 2017; 46: 389-395.
13. Go ML, **Or M**, Van Goethem B, Kitshoff A, Abma E, de Rooster H. Negative pressure wound therapy: the past and the future. *Diergeneeskundig Tijdschrift* 2017; 86: 128-135.
14. **Or M**, Devriendt N, Kitshoff A, Peremans K, Vandermeulen E, Paepe D, Martlé V, de Rooster H. Ammonia concentrations in arterial blood, venous blood, and

cerebrospinal fluid of dogs with and without congenital extrahepatic portosystemic shunts. *American Journal of Veterinary Research* 2017; 78: 1313-1318.

15. Kitshoff AM, Louwagie J, **Or M**, Devriendt N, Dehuisser V, Koenraadt A, Vandenaabeele S, Sys SU, de Rooster H. Biomechanical properties of celiotomy wounds closed with tape and cyanoacrylate versus intradermal sutures. *Veterinary Surgery* 2018; 47(8): 1087-1093.

16. Devriendt N, Vandermeulen E, **Or M**, Paepe D, de Rooster H. Inaccuracy of serum bile acids to predict closure after surgical attenuation of a portosystemic shunt. *Veterinary Record* 2018; 6(2). doi:10.1136/vetreccr-2017-000510

17. Margolis C, Pipen M, Demuchur J, **Or M**, Henthorn P, Casal M. Congenital peritoneopericardial diaphragmatic hernia in a family of Persian cats Show less. *Journal of Feline Medicine and Surgery* 2018; doi:10.1177/2055116918804305

**Published Abstracts:** (underlined denotes oral presenter)

1. **Or M**, M. Samish, T. Waner, S. Harrus. Attenuation of Ehrlichia canis by multiple-passages in two different cell cultures. 5<sup>th</sup> International Conference on Rickettsia and Rickettsial Diseases. May 18-20, 2008. **Marseille, France**. Poster
2. U. Segal, **Or M**, J. Shani. Laterodistal transposition of the tibial crest in cases of patella luxation with alta composition. 20th Annual Scientific Meeting European College of Veterinary Surgeons (ECVS). July 7-9, 2011. **Ghent, Belgium**. Poster (chosen as one of the five best posters)
3. **Or M**, A. Kitshoff, H. de Rooster. The influence of the surgical outcome on blood and ammonia levels in dogs with congenital extrahepatic portosystemic shunts. 23rd Annual Scientific Meeting European College of Veterinary Surgeons (ECVS). July 3-5, 2014. **Copenhagen, Denmark**
4. **Or M**, A. Kitshoff, N. Devriendt, M. De Ridder, G. Quist-Rybachuk, H. de Rooster. Transdiaphragmatic approach to attenuate congenital extra-hepatic portosystemic shunts, inserting in the thoracic part of the azygos vein. ECVS 24th Annual Scientific Meeting European College of Veterinary Surgeons (ECVS). July 2-4, 2015. **Berlin, Germany**
5. Devriendt, N, Van Goethem, B., Van Brantegem, L., De Ridder, M., Kitshoff, A., **Or, M.**, de Rooster, H. Comparison of a 5-mm and 10-mm vessel sealing device in an open ovariectomymodel in dogs. ECVS 25th Annual Scientific Meeting European College of Veterinary Surgeons (ECVS). July 7-9, 2016. **Lisbon, Portugal**
6. **Or M**, B. Van Goethem, A. Kitshoff, A. Koenraadt, I. Schwarzkopf, T. Bosmans. H. De Rooster: Negative Pressure Wound Therapy Using Polyvinyl Alcohol Foam To Support Full Thickness Mesh Skin Grafts In Dogs. ECVS 25th Annual Scientific

Meeting European College of Veterinary Surgeons (ECVS). July 7-9, 2016. **Lisbon, Portugal**

7. A. Kitshoff, A. Koenraadt , **Or M**, de Rooster H: Tape and cyanoacrylate versus intradermal suture for celiotomy skin closure in dogs: a biomechanical study. ECVS 26th Annual Scientific Meeting European College of Veterinary Surgeons (ECVS). July 13-15, 2017. **Edinburg, Scotland**
8. **Or M**, Peremans K, Martlé V, Vandermeulen E, Bosmans T, Devriendt N, de Rooster H: Regional cerebral blood flow assessed by single photon emission computed tomography (SPECT) in dogs with congenital portosystemic shunt and hepatic encephalopathy. ECVS 26th Annual Scientific Meeting European College of Veterinary Surgeons (ECVS). July 13-15, 2017. **Edinburg, Scotland**
9. Vallarino N, **Or M**, Devriendt N, A. Koenraadt, de Rooster H: Closed-incision negative pressure wound therapy after front limb amputation in dogs. ECVS 27th Annual Scientific Meeting European College of Veterinary Surgeons (ECVS). July 5-7, 2018. **Athens, Greece**
10. Devriendt N, **Or M**, K. Peremans, L. Vlerick, R. Dockx, de Rooster H: Changes in regional cerebral blood flow in dogs with different grades of hepatic encephalopathy before and after successful closure of extrahepatic portosystemic shunts. ECVS 27th Annual Scientific Meeting European College of Veterinary Surgeons (ECVS). July 5-7, 2018. **Athens, Greece**
11. **Or M**, A. Kitshoff, Devriendt N, Vandermeulen E, Bosmans T, Peremans K, Van De Maele I, Bhatti S, Hesta M, de Rooster H: Seral blood and cerebrospinal fluid ammonia concentration in dogs with congenital extrahepatic portosystemic shunts before and after surgical attanution. ECVS 27th Annual Scientific Meeting European College of Veterinary Surgeons (ECVS). July 5-7, 2018. **Athens, Greece**

**Postdoctoral/ Postgraduate training (residents of ACVS/ECVS):**

Dates	Name	Current position
2017-2019	Mary Dell Deweese, DVM	3 <sup>rd</sup> year Resident
2017-2019	Kate Morris, DVM	3 <sup>rd</sup> year Resident
2017-2019	Christine Hsueh, DVM	3 <sup>rd</sup> year Resident
2017-2019	Hillary Ludwig, DVM	2 <sup>nd</sup> year Resident
2017-2019	Kristen Bailey, DVM	2 <sup>nd</sup> year Resident
2018-2019	Rachel Williams, DVM	1 <sup>st</sup> year Resident
2018-2019	Marie Burneko, DVM	1 <sup>st</sup> year Resident

**SEMINARS AND ORAL PRESENTATIONS BY INVITATION** (Poster presentations not included):

**May 2016:** Surgical and Radiology seminar, UC-Davis, California  
Porto-systemic shunts in dogs: lifting a corner of the veil (1 hour)

**May 2016:** Invited speaker seminar, Hebrew University of Jerusalem, Israel  
Porto-systemic shunts in dogs: lifting a corner of the veil (1 hour)

**Sept 2016:** Surgical and Radiology seminar, UGA, Athens, GA  
Porto-systemic shunts in dogs: lifting a corner of the veil (1 hour)

**Sept 2016:** Surgical section seminar, UPENN, Philadelphia  
KIKI; open radius and ulna fracture treatment in a silverback ape (1 hour)

**July 2017:** Keystone speaker seminar, UPENN, Philadelphia  
Porto-systemic shunts in dogs: lifting a corner of the veil (1 hour)

**TEACHING CHRONICLE**  
(\* denotes course organizer)

Academic Year	Semester	Course #	Course Name	Student Number	Topic	Lecture Hours	Lab Hours
2017	Q3	VSUR602	Core Surgery Spay Course; hands-on live animal surgery teaching	About 30	Clinical exercise Dogs Spaying /castration		
	Q0-4	N/A	Surgery Resident + Interns Training and Supervision	2-3	Training	40 hours of clinical teaching, per week while on clinics	
	Q0-4	VESP800	Small Animal Soft Tissue Surgery	2-4	Clinical Rotation	5 hours of didactic teaching, 22 hours of clinical teaching, and 2 hours of laboratory teaching per week while on clinics	
	Q0-4	VESP870	Small Animal Soft Tissue Surgery	2-4	Clinical Rotation	5 hours of didactic teaching, 22 hours of clinical teaching, and 2 hours of laboratory teaching per week while on clinics	
	Q0-4	VESP811	Small Animal Orthopedic Surgery	2-4	Clinical Rotation	5 hours of didactic teaching, 22 hours of clinical teaching, and 2 hours of laboratory teaching per week while on clinics	
	Q0-4	VESP871	Small Animal	2-4	Clinical Rotation	5 hours of didactic	

			Orthopedic Surgery			teaching, 22 hours of clinical teaching, and 2 hours of laboratory teaching per week while on clinics	
<b>2018</b>	Q3	VSUR602	Core Surgery Spay Course; hands-on live animal surgery teaching	About 30	Clinical exercise Dogs Spaying /castration		16
	Q3	VSUR603*	Clinical Orthopedic labs	About 40	Clinical exercise Limbs Bandaging / Pins, wires & plates placement		4
	Q4	VCSP647*	Small Animal Surgery/Anesthesia	About 32	Clinical exercise feline Spaying / suturing practice		16
	Q4	VCSP646	Small Animal Surgery	About 120	Thoracic case discussion	1	
	Q0-4		Surgery Resident + Intern Training and Supervision	2-3	Training	40 hours of clinical teaching, per week while on clinics	
	Q0-4	VESP800	Small Animal Soft Tissue Surgery	2-4	Clinical Rotation	5 hours of didactic teaching, 22 hours of clinical teaching, and 2 hours of laboratory teaching per week while on clinics	
	Q0-4	VESP870	Small Animal Soft Tissue Surgery	2-4	Clinical Rotation	5 hours of didactic teaching, 22 hours of clinical teaching, and 2 hours of laboratory teaching per week while on	

						clinics
	Q0-4	VESP811	Small Animal Orthopedic Surgery	2-4	Clinical Rotation	5 hours of didactic teaching, 22 hours of clinical teaching, and 2 hours of laboratory teaching per week while on clinics
	Q0-4	VESP871	Small Animal Orthopedic Surgery	2-4	Clinical Rotation	5 hours of didactic teaching, 22 hours of clinical teaching, and 2 hours of laboratory teaching per week while on clinics