NARKOVET CONSULTING's Clinical Training Program: Practice of Anesthesia & Perioperative Analgesia in Small Animals





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Day	Weekday	Time	Location	Clinical Training Hours	Instructor	Topics	Detailed Teaching Subjects				
		8:00 - 12:00			Morath o.o.	Pre-anesthetic Phase (ASA I/II cases 1 - 4)	History, pre-anesthetic examination, ASA classification of physical status, and anesthesia risk assessment in 2-4 selected patients.				
			D TBD 1	1 - 3			Formulation of premedication protocols for 2-4 selected patients & discussion.				
							Formulation of anesthesia protocols for 2-4 selected patients & discussion.				
1	Monday	13:00 - 14:00		Lunch break							
		14:00 - 17:00	TBD	4 - 6	Morath o.o.	Pre-anesthetic Phase (ASA I/II cases 1 - 4)	Principle design of an anesthesia work station, gas leak check, selection of appropriate anesthesia circuit and ET tube; design and function testing of the ventilator (respirator) for 2-4 selected patients.				
							Selection, design and function testing of appropriate anesthesia monitors for 2-4 cases, that shall be anesthetized the following day .				
							Assembly of an "emergency box" with emergency drugs and equipment; discussion of potential perianesthetic complications for the 2-4 selected patients that shall be anesthetized the following day; anesthesia record keeping.				

Day	Weekday	Time	Location	Clinical Training Hours	Instructor	Topics	Detailed Teaching Subjects
		7:30	TBD	Ρ	Morath o.o.	Turning	g on and function testing of the anesthesia workstation.
		9:00 - 12:00					IV catheter placement, premedication, induction of anesthesia & instrumentation to monitor anesthetic depth and vital functions.
) TBD 7-9	7 - 9	Morath o.o.	Anesthetic management (ASA I/II cases 1 & 2)	Focus: Maintenance of anesthesia with inhalant anesthetics, monitoring of anesthetic depth and hemodynamic & respiratory functions; recognition & treatment of cardiovascular and respiratory dysfunction; assessment of hydration status. Focus: Recovery phase and postoperative analgesia - concluding discussion of anesthetic case management.
2	Tuesday	13:00 - 14:00				L	unch break
				3D 10-12	Morath o.o.		IV catheter placement, premedication, induction of anesthesia & instrumentation to monitor anesthetic depth and vital functions.
		14:00 -				Anesthetic management (ASA I/II cases 3 & 4)	Focus: Maintenance of anesthesia with inhalant anesthetics, monitoring of anesthetic depth and hemodynamic & respiratory functions; recognition & treatment of cardiovascular and respiratory dysfunction; assessment of hydration status.
		17:00	TBD 14				Focus: Recovery phase and postoperative analgesia - concluding discussion of anesthetic case management.
						Pre-anesthetic Phase (ASA I/II cases 5 - 8)	History, pre-anesthetic examination, ASA classification of physical status, and anesthesia risk assessment, formulation of proper premedication & anesthesia protocols, selection of anesthesia equipment for 2-4 selected patients, which shall be anesthetized the following day.



Day	Weekday	Time	Location	Clinical Training Hours	Instructor	Topics	Detailed Teaching Subjects
		7:30	TBD	Ρ	Morath o.o.		Set-up of anesthesia workstation.
		9:00 - 12:00					IV catheter placement, premedication, induction of anesthesia & instrumentation to monitor anesthetic depth and vital functions.
			TBD	13 - 15	Morath o.o.	Anesthetic management (ASA I/II cases 5 & 6)	Sole inhalation anesthesia, Focus: Maintenance of adequate respiratory function and support through mechanical ventilation (MV).
							Weaning off from MV; recovery phase and postoperative analgesia - concluding discussion of anesthetic case management.
3	Wednesday	13:00 - 14:00				L	unch break
			0- 0 ТВД	10- 12	Morath o.o.		IV catheter placement, premedication, induction of anesthesia & instrumentation to monitor anesthetic depth and vital functions.
						Anesthetic management (ASA I/II cases 7 & 8)	Sole inhalation anesthesia, Focus: Maintenance of adequate hemodynamic function and support with cardiovascular support drugs.
		14:00 - 17:00					Weaning off from MV; recovery phase and postoperative analgesia - concluding discussion of anesthetic case management.
						Pre-anesthetic Phase (ASA I/II cases 9 - 12)	History, pre-anesthetic examination, ASA classification of physical status, and anesthesia risk assessment, formulation of proper premedication & anesthesia protocols, selection of anesthesia equipment for 2-4 selected patients, which shall be anesthetized the following day.



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		7:30	TBD	Р	Morath o.o.		Set-up of anesthesia workstation.
		9:00 - 12:00					IV catheter placement, premedication, induction of anesthesia & instrumentation to monitor anesthetic depth and vital functions.
			TBD	13 - 15	Morath o.o.	Anesthetic management (ASA I/II cases 9 & 10)	Sole inhalation anesthesia or balancedanesthesia; Focus: high vs low flow anesthesia
							Recovery phase and postoperative analgesia - concluding discussion of anesthetic case management.
4	Thursday	13:00 - 14:00			<u>.</u>	I	unch break
		14:00 - 17:00			Morath 0.0.		IV catheter placement, premedication, induction of anesthesia & instrumentation to monitor anesthetic depth and vital functions.
						Anesthetic management (ASA I/II cases 11 & 12)	Sole inhalation anesthesia or balancedanesthesia; Focus: high vs low flow anesthesia
			TBD	10- 12			Recovery phase and postoperative analgesia - concluding discussion of anesthetic case management.
						Pre-anesthetic Phase (ASA I/II cases 13 - 16)	History, pre-anesthetic examination, ASA classification of physical status, and anesthesia risk assessment, formulation of proper premedication & anesthesia protocols, selection of anesthesia equipment for 2-4 selected patients, which shall be anesthetized the following day.



Day	Weekday	Time	Location	Clinical Training Hours	Instructor	Topics	Detailed Teaching Subjects
		7:30	TBD	Ρ	Morath o.o.		Set-up of anesthesia workstation.
		9:00 - 12:00					IV catheter placement, premedication, induction of anesthesia & instrumentation to monitor anesthetic depth and vital functions.
			TBD	13 - 15	Morath o.o.	Anesthetic management (ASA I/II cases 13 & 14)	Maintenance of anesthesia; Focus: Balanced anesthesia
5	Friday						Recovery phase and postoperative analgesia - concluding discussion of anesthetic case management.
		13:00 - 14:00				L	unch break
		14:00 - 17:00		10- 12	Morath o.o.		IV catheter placement, premedication, induction of anesthesia & instrumentation to monitor anesthetic depth and vital functions.
			TBD			Anesthetic management (ASA I/II cases 15 & 16)	Maintenance of anesthesia; Focus: PIVA
							Recovery phase and postoperative analgesia - concluding discussion of anesthetic case management.



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		8:00 - 12:00				Pre-anesthetic Phase (ASA I/II cases 17 - 20)	History, pre-anesthetic examination, ASA classification of physical status, and anesthesia risk assessment in 2-4 selected patients.
			D TBD	1 - 3	Morath o.o.		Formulation of premedication protocols for 2-4 selected patients & discussion.
							Formulation of anesthesia protocols for 2-4 selected patients & discussion.
6	Monday	13:00 - 14:00				Ŀ	unch break
		14:00 - 17:00			Morath 0.0.	Blood-gas, Acid-base- & Electrolyte balance management (ASA II-V cases 17 - 20)	Interpretation of abnormal arterial and venous blood gas results and formulation of appropriate treatment options.
			:00 - 7:00 TBD	4 - 6			Interpretation of abnormal acid-base blood chemistry results and formulation of appropriate treatment options.
							Interpretation of abnormal plasma electrolyte chemistry results and formulation of appropriate treatment options.



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		7:30	TBD	Р	Morath o.o.		Set-up of anesthesia workstation.
							IV catheter placement, premedication, induction of anesthesia & instrumentation to monitor anesthetic depth and vital functions.
	Tuesday	9:00 - 12:00	TBD	7 - 9	Morath o.o.	Anesthetic management (ASA II-V cases 17 & 18)	Focus: Maintenance of anesthesia using inhalation agent only, balanced, or TIVA -based anesthesia techniques; assessment of anesthetic depth; Assessment and treatment of cardiovascular and respiratory dysfunctions; diagnosis and treatment of fluid, acid-base, and electrolyte imbalances during anesthesia, where indicated.
							Focus: Recovery phase and perioperative pain management in patients with more complex diseases - concluding discussion of anesthetic patient management.
7		13:00 - 14:00				L	unch break
		14:00 - 17:00	4:00 - 7:00 TBD	10- 12	Morath o.o.		IV catheter placement, premedication, induction of anesthesia & instrumentation to monitor anesthetic depth and vital functions.
						Anesthetic management (ASA II-V cases 19 & 20)	Focus: Maintenance of anesthesia using inhalation agent only, balanced, or TIVA -based anesthesia techniques; Assessment of anesthetic depth; assessment and treatment of cardiovascular and respiratory dysfunctions; diagnosis and treatment of fluid, acid-base, and electrolyte imbalances during anesthesia, where indicated.
							Focus: Recovery phase and perioperative pain management in patients with more complex diseases - concluding discussion of anesthetic patient management.
						Pre-anesthetic Phase (ASA I/II cases 21 - 22)	History, pre-anesthetic examination, ASA classification of physical status, and anesthesia risk assessment, formulation of proper premedication & anesthesia protocols, selection of anesthesia equipment for 2-4 selected patients, which shall be anesthetized the following day.

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		7:30	TBD	Ρ	Morath o.o.		Set-up of anesthesia workstation.		
		9:00 - 12:00					IV catheter placement, premedication, induction of anesthesia & instrumentation to monitor anesthetic depth and vital functions.		
			TBD	7 - 9	Morath o.o.	Anesthetic management (ASA II-V case 21)	Focus: Maintenance of anesthesia using inhalation agent only, balanced, or TIVA -based anesthesia techniques; Assessment of anesthetic depth; assessment and treatment of cardiovascular and respiratory dysfunctions; diagnosis and treatment of fluid, acid-base, and electrolyte imbalances during anesthesia, where indicated.		
0							Focus: Recovery phase and perioperative pain management in patients with more complex diseases - concluding discussion of anesthetic patient management.		
		13:00 - 14:00				L	unch break		
8	Wednesday				Morath o.o.		IV catheter placement, premedication, induction of anesthesia & instrumentation to monitor anesthetic depth and vital functions.		
						Anesthetic management (ASA II-V case 22)	Focus: Maintenance of anesthesia using inhalation agent only, balanced, or TIVA -based anesthesia techniques; Assessment of anesthetic depth; assessment and treatment of cardiovascular and respiratory dysfunctions; diagnosis and treatment of fluid, acid-base, and electrolyte imbalances during anesthesia, where indicated.		
		14:00 - 17:00	TBD	10- 12			Focus: Recovery phase and perioperative pain management in patients with more complex diseases - concluding discussion of anesthetic patient management.		
								Pre-anesthetic Phase (ASA I/II cases 23 - 24)	History, pre-anesthetic examination, ASA classification of physical status, and anesthesia risk assessment, formulation of proper premedication & anesthesia protocols, selection of anesthesia equipment for 2-4 selected patients, which shall be anesthetized the following day.



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		7:30	TBD	Ρ	Morath o.o.		Set-up of anesthesia workstation.	
		9:00 - 12:00					IV catheter placement, premedication, induction of anesthesia & instrumentation to monitor anesthetic depth and vital functions.	
) TBD	7 - 9	Morath o.o.	Anesthetic management (ASA II-V case 23)	Focus: Maintenance of anesthesia using inhalation anesthesia or TIVA techniques plus epidural or other loco-regional anesthesia/-analgesia technique	
							Focus: Recovery phase post inhalation anesthesia or TIVA techniques plus epidural or other loco-regional anesthesia/-analgesia technique - post-hoc case discussion	
9	Thursday	13:00 - 14:00				L	unch break	
		14:00 - 17:00	- TBD	10- 12	Morath o.o.		IV catheter placement, premedication, induction of anesthesia & instrumentation to monitor anesthetic depth and vital functions.	
						Anesthetic management (ASA II-V case 24)	Focus: Maintenance of anesthesia using inhalation anesthesia or TIVA techniques plus epidural or other loco-regional anesthesia/-analgesia technique	
							Focus: Recovery phase post inhalation anesthesia or TIVA techniques plus epidural or other loco-regional anesthesia/-analgesia technique - post-hoc case discussion	



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		7:30	TBD	Ρ	Morath o.o.		Set-up of anesthesia workstation.
		9:00 - 12:00	00 TBD				IV catheter placement, premedication, induction of anesthesia & instrumentation to monitor anesthetic depth and vital functions.
				9 7-9	Morath o.o.	Anesthetic management (ASA I-IV case 25)	Focus: Maintenance of anesthesia using inhalation anesthetic agent only or TIVA technique plus multimodal analgesia
							Focus: Recovery phase post inhalation anesthesia or TIVA techniques plus multimodal analgesia - post-hoc case discussion
10	Friday	13:00 - 14:00				L	unch break
		14:00 - 17:00					IV catheter placement, premedication, induction of anesthesia & instrumentation to monitor anesthetic depth and vital functions.
			TPD	10- 12	Morath o.o.	Anesthetic management (ASA I-IV case 26)	Focus: Maintenance of anesthesia using inhalation anesthetic agent only or TIVA technique plus multimodal analgesia
			IBD				Focus: Recovery phase post inhalation anesthesia or TIVA techniques plus multimodal analgesia - post-hoc case discussion
						Summary of Clinical Anesthesia Management	Final discussion of all anesthetized cases in Q/A format.



