



# Forensic Imaging and Virtopsy<sup>UZH</sup>



Certificate of Advanced Studies CAS

## Program – Virtopsy Advanced Course Part 2

March 8, 2019/subject to possible change

**Wednesday, March 20, 2019 - Morning**

Time	Topic	Instructor	
08:15 – 08:30	Registration	Course Administration	
08:30 – 08:45	Introduction Advanced Course	Prof. Dr. med. Michael Thali Dr. med. Wolf Schweitzer	
08:45 – 08:55	Preparation for PMCT scan	Dipl. RT Dominic Gascho	
08:55 – 09:05	PMCT scan (Radiologists/blue)	Dipl. RT Dominic Gascho	
	PMMR scan (Pathologists/orange)	Dr. med. Carlo Tappero Dr. med. Wolf Schweitzer	
09:05 – 09:15	PMMR scan (Radiologists/blue)	Dr. med. Carlo Tappero Dr. med. Wolf Schweitzer	
	PMCT scan (Pathologists/orange)	Dipl. RT Dominic Gascho	
09:15 – 10:15	PMCT findings (Radiologists/blue)	Dr. med. Carlo Tappero PD Dr. med. Garyfalia Ampanozi	
	Biopsy / Surface scanning (Pathologists/orange)	PD Dr. phil. Lars Ebert Dipl. ing. Till Sieberth, PhD	
10:15 – 10:45	Break (30')		
10:45 – 11:45	Biopsy and surface scanning (Radiologists/blue)	PD Dr. phil. Lars Ebert Dipl. ing. Till Sieberth, PhD	
	PMCT findings (Pathologists/orange)	Dr. med. Carlo Tappero PD Dr. med. Garyfalia Ampanozi	
11:45 – 13:00	Lunch (75')	Served at Dozentenfoyer	



**Wednesday, March 20, 2019 - Afternoon**

<b>Time</b>	<b>Topic</b>	<b>Instructor</b>
13:00 – 13:30	Autopsy Room	FMB Team
13:30 – 14:15	Use of Post Mortem CT at the Institute of Legal Medicine and Forensic Sciences of the Charite (Berlin)	Dr. med. Lars Oesterhelweg
14:15 – 15:00	An Introduction to Forensic Veterinary Pathology	Dr. Alexander Stoll
15:00 – 15:15	Break (15')	
15:15 – 16:00	Forensic 3D Printing	Prof. Summer Decker, PhD Dr. med. Wolf Schweitzer
16:00 – 16:30	What *IS* 3D data really?	Prof. Summer Decker, PhD
16:30 – 16:40	Break (10')	
16:40 – 17:10	Scientific article – writing, getting it published	Alexander J. Smith
17:10 – 17:30	Medical examiners in the USA	Prof. Summer Decker, PhD
17:30 – 17:40	Break (10')	
17:40 – 18:30	3D data and finite element analysis explained	Prof. Summer Decker, PhD



**Thursday, March 21, 2019**

<b>Time</b>	<b>Topic</b>	<b>Instructor</b>
08:30 – 09:00	Clinical forensic neck MR	Dr. med. Jakob Heimer
09:00 – 09:20	Lung ventilation	Dr. med. Sabine Franckenberg
09:20 – 09:45	Vital reactions	Dr. med. Wolf Schweitzer
09:45 – 10:45	Advanced visualization	PD Dr. phil. Lars Ebert
10:45 – 11:00	Break (15')	
11:00 – 11:30	CT-artifacts	PD Dr. phil. Lars Ebert
	Foreign objects	Dr. med. Wolf Schweitzer
11:30 – 12:30	PMMR I	Dr. med. Carlo Tappero
12:30 – 13:30	Sandwich Lunch (60')	Served at the Course Venue
13:30 – 14:00	PMMR II	Dr. med. Carlo Tappero
14:00 – 14:30	Body packing	Dr. med. Barbara Fliss
14:30 – 15:15	PMCTA Introduction and Essentials	Dr. med. Wolf Schweitzer
15:15 – 15:35	PMCTA Technique and imaging protocols	Dipl. RT Dominic Gascho
15:35 – 15:45	Break (10')	
15:45 – 16:30	Pediatric/perinatal post mortem CT	Dr. med. Rosita Martinez Dr. med. Wolf Schweitzer
16:30 – 17:15	Case review / Casebook	Dr. med. Carlo Tappero Dr. med. Wolf Schweitzer
18:30	Dinner Further information you will receive on your first Course Day.	Restaurant "Zum Kropf" <a href="http://www.zumkropf.ch">www.zumkropf.ch</a>



**Friday, March 22, 2019**

<b>Time</b>	<b>Topic</b>	<b>Instructor</b>
08:30 – 09:15	Hands-on PMCTA	Dr. med. Carlo Tappero Dr. med. Wolf Schweitzer Dipl. RT Dominic Gascho FMB Team
09:15 – 09:30	Break (15')	
09:30 – 12:30	Hands-on PMCTA	Dr. med. Carlo Tappero Dr. med. Wolf Schweitzer Dipl. RT Dominic Gascho FMB Team
12:30 – 13:15	Sandwich lunch (45')	Served at the Course Venue
13:15 – 13:30	PMCT & PMCTA Putrefaction	Dr. med. Wolf Schweitzer
13:30 – 14:00	PMMRA	Dr. med. Carlo Tappero
14:00 – 14:45	Magnetic Resonance Spectroscopy (1H-MRS) in Forensic Medicine	Dr. sc. Niklaus Zölch
14:45 – 15:10	Deep Learning in Virtopsy Statistical Shape Modelling	PD Dr. phil. Lars Ebert
15:10 – 15:30	Assessment Module 2 Virtopsy Course	Dr. med. Wolf Schweitzer
15:30 – 16:10	Forensic Holodeck	PD Dr. phil. Lars Ebert Dipl. ing. Till Sieberth, PhD
16:10	End of course Part 1 & 2 Certificate of attendance	Dr. med. Wolf Schweitzer Prof. Dr. med. Michael Thali