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Università Vita-Salute
San Raffaele

II level
Master in ERCP- Diagnostic and Operative Retrograde
Cholangiopancreatography
a.y. 2024/25

SUMMARY OF LEARNING ACTIVITIES

Activity	CFU	Module	Hrs	ECTS
Classroom activity	10	Frontal teaching activities, issued remotely, available on e-learning platform	250	20
	8	Research and personal study time	200	
	2	Multidisciplinary Meetings	50	
Learning by doing	3	Labs and seminars	75	40
	2	Q&As and clinical cases (remotely)	50	
	30	Training	750	
	5	Thesis	125	
TOTAL			1500	60

(1 ECTS= 8 hrs frontal learning)

FRONTAL TEACHING ACTIVITIES

(1 CFU = 8 hrs of frontal teaching)

Courses	CFU	Frontal hours	SSD
1. Organization of the ERCP room, instrumentation and accessories	0,5	1	MED/12
2. Bilio-pancreatic anatomy and papilla cannulation techniques	0,5	1	MED/12
3. Ultrasound endoscopy and ERCP	0,5	1	MED/12
4. Calculus of the biliary tract	0,5	1	MED/12
5. Surgery in cholecysto-bile duct calculi	0,5	1	MED/18
6. Benign biliary strictures	0,5	1	MED/12
7. Malignant biliary strictures	0,5	1	MED/12
8. Malignant biliary stricture and duodenal stricture	0,5	1	MED/12
9. Biliary strictures of an indeterminate nature	0,5	1	MED/12
10. Pathological anatomy of biliary strictures	0,5	1	MED/08



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11. Indications for treatment using PTC	0,5	1	MED/36
12. ERCP and ampulloma	0,5	1	MED/12
13. Surgery and ampullomas	0,5	1	MED/18
14. Hepatobiliary surgery and ERCP	0,5	1	MED/18
15. Biliary and pancreatic fistulas	0,5	1	MED/12
16. Chronic pancreatitis	0,5	1	MED/12
17. Acute biliary pancreatitis	0,5	1	MED/12
18. Cannulation of the papilla minor and pathologies of the dorsal duct	0,5	1	MED/12
19. Post-surgical ERCP	0,5	1	MED/12
20. Complications and prevention	0,5	1	MED/12
TOTAL	10	20*	

* frontal hours (=250 total hours)

OTHER FORMS OF TRAINING

Professional training	CFU/ECTS	Hrs	SSD
Multidisciplinary meetings coordinated by the Pancreas Center's doctors	2	50	MED/12 MED/18 MED/36 MED/08
Research projects, data gathering and development based on which the final thesis will be produced	8	200	MED/12
Online learning activities (end of module Q&As, clinical cases, multiple answer quizzes)	2	50	MED/12
Labs and seminars	3	75	MED/12
TOTAL	15	375	



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Training	CFU/ECTS	Hrs	SSD
Hands- off Observership	10	250	TIR
Hands- on Observership	20	500	TIR
TOTAL	30	750	

Final Thesis	CFU/ECTS	Hrs	SSD
Drafting of a final thesis	5	125	PROFIN
TOTAL	5	125	