

Cycle view of the study programme

Bl Or Th Pr Au Cr

Information

Professor D. MARTIN

Neurosurgery

B35 - CHU - 4000 Liège

Phone number : 04/366.72.08 - Fax number : 04/366.77.37

e-mail address : Didier.Martin@chu.ulg.ac.be

The Specialised Masters in Neurosurgery includes one year of Specialised Masters in Neurology, one year of Specialised Masters in Surgery and four years of neurosurgery. The neurosurgery and surgery years are spread over the first three years of the internship plan introduced by the Commission Francophone d'Accréditation en Neurochirurgie. Students are required to be confirmed for each year in line with the respective conditions for these two Specialised Masters with regard to classes and the evaluations.

Compulsory courses (B4 : 60Cr, B5 : 60Cr, B6 : 60Cr)

NEUR2408-1	<i>Theory courses, B4</i> - Neuroanatomy and normal and pathologic physiology - COLLÉGIALITÉ - Neuroimaging - COLLÉGIALITÉ - Cranial traumatology - COLLÉGIALITÉ - Spinal traumatology - COLLÉGIALITÉ - Infection of the central nervous system - COLLÉGIALITÉ - Functional neurosurgery (epilepsy, abnormal movements, pain) - COLLÉGIALITÉ - Neuro-oncology - COLLÉGIALITÉ - Vascular pathology - COLLÉGIALITÉ - Spinal and medullary pathology - COLLÉGIALITÉ - Developmental abnormalities and hydrocephaly - COLLÉGIALITÉ - Pathologies of the peripheral nervous system - COLLÉGIALITÉ	B4	TA							5
			4	-	-					
			4	-	-					
			4	-	-					
			4	-	-					
			4	-	-					
			-	-	-					
			4	-	-					
			4	-	-					
			4	-	-					
			4	-	-					
			4	-	-					
NEUR2414-1	<i>Neurosurgery seminars, B4</i> - Interuniversity neurosurgery seminars - COLLÉGIALITÉ - [15h SEM] - Continued university training sessions in neurosurgery - COLLÉGIALITÉ - [15h SEM] - Sessions by the Belgian Society for Neurosurgery - COLLÉGIALITÉ - [15h SEM]	B4	TA							5
			-	-	[+]					
			-	-	[+]					
			-	-	[+]					
NEUR0415-1	<i>Supervised exercises in Neurosurgery, B4</i> - Learning in the operating room - COLLÉGIALITÉ - Exercises at the patient's bedside - COLLÉGIALITÉ	B4	TA							20
			-	160	-					
			-	80	-					
NEUR0009-1	<i>Drafting and presentation of scientific publications, B4</i> - COLLÉGIALITÉ	B4	TA							5
NEUR2508-1	<i>Theory courses, B5</i> - Neuroanatomy and normal and pathologic physiology - COLLÉGIALITÉ - Neuroimaging - COLLÉGIALITÉ - Cranial traumatology - COLLÉGIALITÉ - Spinal traumatology - COLLÉGIALITÉ - Infection of the central nervous system - COLLÉGIALITÉ - Functional neurosurgery (epilepsy, abnormal movements, pain) - COLLÉGIALITÉ - Neuro-oncology - COLLÉGIALITÉ - Vascular pathology - COLLÉGIALITÉ - Spinal and medullary pathology - COLLÉGIALITÉ - Developmental abnormalities and hydrocephaly - COLLÉGIALITÉ - Pathologies of the peripheral nervous system - COLLÉGIALITÉ	B5	TA							5
			4	-	-					
			4	-	-					
			4	-	-					
			4	-	-					
			4	-	-					
			4	-	-					
			4	-	-					
			4	-	-					
			4	-	-					
NEUR2514-1	<i>Neurosurgery seminars, B5</i> - Interuniversity neurosurgery seminars - COLLÉGIALITÉ - [15h SEM] - Continued university training sessions in neurosurgery - COLLÉGIALITÉ - [15h SEM]	B5	TA							5
			-	-	[+]					
			-	-	[+]					

	- Sessions by the Belgian Society for Neurosurgery - COLLÉGIALITÉ - [45h SEM]		-	-	[+]	
NEUR0515-1	Supervised exercises in Neurosurgery, B5 - Learning in the operating room - COLLÉGIALITÉ - Exercises at the patient's bedside - COLLÉGIALITÉ	B5	TA			20
				-	160 -	
				-	80 -	
NEUR0009-2	Drafting and presentation of scientific publications, B5 - COLLÉGIALITÉ	B5	TA	-	-	5
NEUR2608-1	Theory courses, B6 - Neuroanatomy and normal and pathologic physiology - COLLÉGIALITÉ - Neuroimaging - COLLÉGIALITÉ - Cranial traumatology - COLLÉGIALITÉ - Spinal traumatology - COLLÉGIALITÉ - Infection of the central nervous system - COLLÉGIALITÉ - Functional neurosurgery (epilepsy, abnormal movements, pain) - COLLÉGIALITÉ - Neuro-oncology - COLLÉGIALITÉ - Vascular pathology - COLLÉGIALITÉ - Spinal and medullary pathology - COLLÉGIALITÉ - Developmental abnormalities and hydrocephaly - COLLÉGIALITÉ - Pathologies of the peripheral nervous system - COLLÉGIALITÉ	B6	TA			5
				4	- -	
				4	- -	
				4	- -	
				4	- -	
				4	- -	
				4	- -	
				4	- -	
				4	- -	
				4	- -	
				4	- -	
NEUR2614-1	Seminar in neurosurgery, B6 - Interuniversity seminars in neurosurgery - COLLÉGIALITÉ - [15h SEM] - University continuing education sessions in neurosurgery - COLLÉGIALITÉ - [15h SEM] - Sessions by the Belgian Society for Neurosurgery - COLLÉGIALITÉ - [15h SEM]	B6	TA			5
				-	- [+]	
				-	- [+]	
				-	- [+]	
NEUR0615-1	Supervised exercises in Neurosurgery, B6 - Learning in the operating room - COLLÉGIALITÉ - Exercises at the patient's bedside - COLLÉGIALITÉ	B6	TA			10
				-	120 -	
				-	40 -	
MTFE2034-1	Final piece of work presented as part of certification - COLLÉGIALITÉ	B6	TA	-	-	15
MEDE3001-1	Cross-cutting courses: Patient communication, quality of care, factual medicine, electronic data management and clinical leadership - COLLÉGIALITÉ - [16h SEM]	B6	TA	-	- [+]	5

Compulsory Training

MSTG2030-5	Training in clinical practice including on-duty in neurosurgery, B4 - COLLÉGIALITÉ - [11half-d Internship]	B4	TA	-	- [+]	25
MSTG2030-1	Training in clinical practice including on-duty in neurosurgery, B5 - COLLÉGIALITÉ	B5	TA	-	-	25
MSTG2030-2	Training in clinical practice including on-duty in neurosurgery, B6 - COLLÉGIALITÉ - [11half-d Internship]	B6	TA	-	- [+]	20

Optional courses (B1 : 60Cr, B2 : 60Cr, B3 : 60Cr)

In the first three years (Block 1, Block 2 and Block 3) and following the approval of the internship plan by the Commission d'Agrement en Neurochirurgie, choose one of the following modules: (B1 : 60Cr)

Neurology module (B1 : 60Cr)

NEUR2038-1	University and interuniversity courses including seminars, B1 - Physiopathological aspects (including neuropathological and genetic aspects), diagnoses, prognoses of neurological conditions - COLLÉGIALITÉ - In-depth study of neurological pathologies, diagnostic techniques and specific therapies - COLLÉGIALITÉ - Seminars - COLLÉGIALITÉ - [50h SEM]	B1	TA			10
				30	- -	
				15	- -	
				-	- [+]	
NEUR2115-1	Supervised exercises in Neurology, B1	B1	TA			25

- *Supervised exercises including in neurophysiology* - COLLÉGIALITÉ - 90 -
- *Bedside learning* - COLLÉGIALITÉ - 150 -

Compulsory Training

- MSTG2003-1 *Training in clinical practice including on-duty in Neurology, B1 - COLLÉGIALITÉ - [11half-d Internship]* B1 TA - - [+] **25**

Surgery module (B1 : 60Cr)

- CHIR2100-1 *Interuniversity theory courses including seminars, B1* B1 TA **10**
 - *Interuniversity training* - COLLÉGIALITÉ 45 - -
 - *Postgraduate seminars from the Royal Belgian Society of Surgery - COLLÉGIALITÉ - [20h SEM]* - - [+]
 - *Weekly seminars organised by the different internship departments - COLLÉGIALITÉ - [40h SEM]* - - [+]
- CHIR2045-1 *Drafting and presentation of scientific work, Block 1 - COLLÉGIALITÉ* B1 TA - - - **5**
- CHIR2146-1 *Supervised exercises in surgery, B1* B1 TA **20**
 - *Introduction to operating techniques in operating rooms - COLLÉGIALITÉ* - 150 -
 - *Introduction to new techniques (videoscapy, pre-operative ultrasound, microsurgical techniques, surgery) - COLLÉGIALITÉ* - 150 -
 - *Bedside learning - COLLÉGIALITÉ* - 50 -

Compulsory Training

- MSTG0023-1 *Training in clinical practice, including on-duty in surgery and accident and emergency, B1 - COLLÉGIALITÉ - [11half-d Internship]* B1 TA - - [+] **25**

Neurosurgery module (B1 : 60Cr)

- NEUR2108-1 *Theory courses, B1 or 2 or 3* B1 TA **5**
 - *Neuro-anatomy and normal and pathological physiology - COLLÉGIALITÉ* 4 - -
 - *Neuro-imaging - COLLÉGIALITÉ* 4 - -
 - *Cranial traumatology - COLLÉGIALITÉ* 4 - -
 - *Spinal traumatology - COLLÉGIALITÉ* 4 - -
 - *Infection of the central nervous system - COLLÉGIALITÉ* 4 - -
 - *Functional neurosurgery (epilepsy, abnormal movements, pain) - COLLÉGIALITÉ* 4 - -
 - *Neuro-oncology - COLLÉGIALITÉ* 4 - -
 - *Vascular pathology - COLLÉGIALITÉ* 4 - -
 - *Spinal and medullary pathologies - COLLÉGIALITÉ* 4 - -
 - *Developmental abnormalities and hydrocephaly - COLLÉGIALITÉ* 4 - -
 - *Pathology of the peripheral nervous system - COLLÉGIALITÉ* 4 - -
- NEUR0115-1 *Supervised exercises in Neurosurgery, B1 or 2 or 3* B1 TA **20**
 - *Learning in the operating room - COLLÉGIALITÉ - [160h PBL]* - - [+]
 - *Exercises at the patient's bedside - COLLÉGIALITÉ* - 80 -
- NEUR2114-1 *Neurosurgery seminars, B1 or 2 or 3* B1 TA **5**
 - *Interuniversity neurosurgery seminars - COLLÉGIALITÉ - [15h SEM]* - - [+]
 - *Continued university training sessions in neurosurgery - COLLÉGIALITÉ - [15h SEM]* - - [+]
 - *Sessions by the Belgian Society for Neurosurgery - COLLÉGIALITÉ - [15h SEM]* - - [+]
- NEUR0009-3 *Drafting and presentation of scientific publications, B1 or 2 or 3 - COLLÉGIALITÉ* B1 TA - - - **5**

Compulsory Training

- MSTG2030-6 *Training in clinical practice including on-duty in neurosurgery, B1 or 2 or 3 - [11half-d Internship]* B1 TA - - [+] **25**

Choose one module that has not been taken in block 1: (B2 : 60Cr)

Neurology module (B2 : 60Cr)

NEUR2038-1	<i>University and interuniversity courses including seminars, B1</i> - <i>Physiopathological aspects (including neuropathological and genetic aspects), diagnoses, prognoses of neurological conditions - COLLÉGIALITÉ</i> - <i>In-depth study of neurological pathologies, diagnostic techniques and specific therapies - COLLÉGIALITÉ</i> - <i>Seminars - COLLÉGIALITÉ - [50h SEM]</i>	B2	TA	30	-	-		10
				15	-	-		
				-	-	[+]		
NEUR2115-1	<i>Supervised exercises in Neurology, B1</i> - <i>Supervised exercises including in neurophysiology - COLLÉGIALITÉ</i> - <i>Bedside learning - COLLÉGIALITÉ</i>	B2	TA	-	90	-		25
				-	150	-		

Compulsory Training

MSTG2003-1	<i>Training in clinical practice including on-duty in Neurology, B1 - COLLÉGIALITÉ - [11half-d Internship]</i>	B2	TA	-	-	[+]		25
------------	--	----	----	---	---	-----	--	-----------

Surgery module (B2 : 60Cr)

CHIR2100-1	<i>Interuniversity theory courses including seminars, B1</i> - <i>Interuniversity training - COLLÉGIALITÉ</i> - <i>Postgraduate seminars from the Royal Belgian Society of Surgery - COLLÉGIALITÉ - [20h SEM]</i> - <i>Weekly seminars organised by the different internship departments - COLLÉGIALITÉ - [40h SEM]</i>	B2	TA	45	-	-	[+]	10
				-	-	[+]		
				-	-	[+]		
CHIR2045-1	<i>Drafting and presentation of scientific work, Block 1 - COLLÉGIALITÉ</i>	B2	TA	-	-	-		5
CHIR2146-1	<i>Supervised exercises in surgery, B1</i> - <i>Introduction to operating techniques in operating rooms - COLLÉGIALITÉ</i> - <i>Introduction to new techniques (videoscopy, pre-operative ultrasound, microsurgical techniques, surgery) - COLLÉGIALITÉ</i> - <i>Bedside learning - COLLÉGIALITÉ</i>	B2	TA	-	150	-		20
				-	150	-		
				-	50	-		

Compulsory Training

MSTG0023-1	<i>Training in clinical practice, including on-duty in surgery and accident and emergency, B1 - COLLÉGIALITÉ - [11half-d Internship]</i>	B2	TA	-	-	[+]		25
------------	--	----	----	---	---	-----	--	-----------

Neurosurgery module (B2 : 60Cr)

NEUR2108-1	<i>Theory courses, B1 or 2 or 3</i> - <i>Neuro-anatomy and normal and pathological physiology - COLLÉGIALITÉ</i> - <i>Neuro-imaging - COLLÉGIALITÉ</i> - <i>Cranial traumatology - COLLÉGIALITÉ</i> - <i>Spinal traumatology - COLLÉGIALITÉ</i> - <i>Infection of the central nervous system - COLLÉGIALITÉ</i> - <i>Functional neurosurgery (epilepsy, abnormal movements, pain) - COLLÉGIALITÉ</i> - <i>Neuro-oncology - COLLÉGIALITÉ</i> - <i>Vascular pathology - COLLÉGIALITÉ</i> - <i>Spinal and medullary pathologies - COLLÉGIALITÉ</i> - <i>Developmental abnormalities and hydrocephaly - COLLÉGIALITÉ</i> - <i>Pathology of the peripheral nervous system - COLLÉGIALITÉ</i>	B2	TA	4	-	-		5
				4	-	-		
				4	-	-		
				4	-	-		
				4	-	-		
				4	-	-		
				4	-	-		
				4	-	-		
				4	-	-		
				4	-	-		
NEUR0115-1	<i>Supervised exercises in Neurosurgery, B1 or 2 or 3</i> - <i>Learning in the operating room - COLLÉGIALITÉ - [160h PBL]</i> - <i>Exercises at the patient's bedside - COLLÉGIALITÉ</i>	B2	TA	-	-	[+]		20
				-	80	-		
NEUR2114-1	<i>Neurosurgery seminars, B1 or 2 or 3</i>	B2	TA					5

	- <i>Interuniversity neurosurgery seminars</i> - COLLÉGIALITÉ - [15h SEM]	-	-	[+]		
	- <i>Continued university training sessions in neurosurgery</i> - COLLÉGIALITÉ - [15h SEM]	-	-	[+]		
	- <i>Sessions by the Belgian Society for Neurosurgery</i> - COLLÉGIALITÉ - [15h SEM]	-	-	[+]		
NEUR0009-3	<i>Drafting and presentation of scientific publications, B1 or 2 or 3</i> - COLLÉGIALITÉ	B2	TA	-	-	5

Compulsory Training

MSTG2030-6	<i>Training in clinical practice including on-duty in neurosurgery, B1 or 2 or 3</i> - [11half-d Internship]	B2	TA	-	-	[+] 25
------------	--	----	----	---	---	--------

Choose one module that has not been taken in block 1 and in block 2: (B3 : 60Cr)

Neurology module (B3 : 60Cr)

NEUR2038-1	<i>University and interuniversity courses including seminars, B1</i> - <i>Physiopathological aspects (including neuropathological and genetic aspects), diagnoses, prognoses of neurological conditions</i> - COLLÉGIALITÉ - <i>In-depth study of neurological pathologies, diagnostic techniques and specific therapies</i> - COLLÉGIALITÉ - <i>Seminars</i> - COLLÉGIALITÉ - [50h SEM]	B3	TA	30	-	-	10
				15	-	-	
				-	-	[+]	
NEUR2115-1	<i>Supervised exercises in Neurology, B1</i> - <i>Supervised exercises including in neurophysiology</i> - COLLÉGIALITÉ - <i>Bedside learning</i> - COLLÉGIALITÉ	B3	TA	-	90	-	25
				-	150	-	

Compulsory Training

MSTG2003-1	<i>Training in clinical practice including on-duty in Neurology, B1</i> - COLLÉGIALITÉ - [11half-d Internship]	B3	TA	-	-	[+] 25
------------	--	----	----	---	---	--------

Surgery module (B3 : 60Cr)

CHIR2100-1	<i>Interuniversity theory courses including seminars, B1</i> - <i>Interuniversity training</i> - COLLÉGIALITÉ - <i>Postgraduate seminars from the Royal Belgian Society of Surgery</i> - COLLÉGIALITÉ - [20h SEM] - <i>Weekly seminars organised by the different internship departments</i> - COLLÉGIALITÉ - [40h SEM]	B3	TA	45	-	-	10
				-	-	[+]	
				-	-	[+]	
CHIR2045-1	<i>Drafting and presentation of scientific work, Block 1</i> - COLLÉGIALITÉ	B3	TA	-	-	-	5
CHIR2146-1	<i>Supervised exercises in surgery, B1</i> - <i>Introduction to operating techniques in operating rooms</i> - COLLÉGIALITÉ - <i>Introduction to new techniques (videoscapy, pre-operative ultrasound, microsurgical techniques, surgery)</i> - COLLÉGIALITÉ - <i>Bedside learning</i> - COLLÉGIALITÉ	B3	TA	-	150	-	20
				-	150	-	
				-	50	-	

Compulsory Training

MSTG0023-1	<i>Training in clinical practice, including on-duty in surgery and accident and emergency, B1</i> - COLLÉGIALITÉ - [11half-d Internship]	B3	TA	-	-	[+] 25
------------	--	----	----	---	---	--------

Neurosurgery module (B3 : 60Cr)

NEUR2108-1	<i>Theory courses, B1 or 2 or 3</i> - <i>Neuro-anatomy and normal and pathological physiology</i> - COLLÉGIALITÉ - <i>Neuro-imaging</i> - COLLÉGIALITÉ - <i>Cranial traumatology</i> - COLLÉGIALITÉ - <i>Spinal traumatology</i> - COLLÉGIALITÉ	B3	TA	4	-	-	5
				4	-	-	
				4	-	-	
				4	-	-	

	- <i>Infection of the central nervous system</i> - COLLÉGIALITÉ	4	-	-		
	- <i>Functional neurosurgery (epilepsy, abnormal movements, pain)</i> - COLLÉGIALITÉ	4	-	-		
	- <i>Neuro-oncology</i> - COLLÉGIALITÉ	4	-	-		
	- <i>Vascular pathology</i> - COLLÉGIALITÉ	4	-	-		
	- <i>Spinal and medullary pathologies</i> - COLLÉGIALITÉ	4	-	-		
	- <i>Developmental abnormalities and hydrocephaly</i> - COLLÉGIALITÉ	4	-	-		
	- <i>Pathology of the peripheral nervous system</i> - COLLÉGIALITÉ	4	-	-		
NEUR0115-1	<i>Supervised exercises in Neurosurgery, B1 or 2 or 3</i>	B3	TA			20
	- <i>Learning in the operating room</i> - COLLÉGIALITÉ - [160h PBL]	-	-	[+]		
	- <i>Exercises at the patient's bedside</i> - COLLÉGIALITÉ	-	80	-		
NEUR2114-1	<i>Neurosurgery seminars, B1 or 2 or 3</i>	B3	TA			5
	- <i>Interuniversity neurosurgery seminars</i> - COLLÉGIALITÉ - [15h SEM]	-	-	[+]		
	- <i>Continued university training sessions in neurosurgery</i> - COLLÉGIALITÉ - [15h SEM]	-	-	[+]		
	- <i>Sessions by the Belgian Society for Neurosurgery</i> - COLLÉGIALITÉ - [15h SEM]	-	-	[+]		
NEUR0009-3	<i>Drafting and presentation of scientific publications, B1 or 2 or 3</i> - COLLÉGIALITÉ	B3	TA	-	-	5
Compulsory Training						
MSTG2030-6	<i>Training in clinical practice including on-duty in neurosurgery, B1 or 2 or 3</i> - [11half-d Internship]	B3	TA	-	-	25