

Block view of the study programme

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Block 1

Optional courses

Choose one different module for each block in the two first years (Block 1 and Block 2) and following approval of the internship plan by the Neurosurgery Certification Committee:

Neurology module

NEUR2038-1	University and interuniversity courses including seminars, B1 - Physiopathological aspects (including neuropathological and genetic aspects), diagnoses, prognoses of neurological conditions - Olivier BODART, François DELVOYE, Frédérique DEPIERREUX, Dominique DIVE, Gaëtan GARRAUX, Nicolas LEJEUNE, Emilie LOMMERS, Julien LY, Pierre MAQUET - In-depth study of neurological pathologies, diagnostic techniques and specific therapies - Olivier BODART, François DELVOYE, Frédérique DEPIERREUX, Dominique DIVE, Gaëtan GARRAUX, Nicolas LEJEUNE, Emilie LOMMERS, Julien LY, Pierre MAQUET - Seminars - Olivier BODART, François DELVOYE, Frédérique DEPIERREUX, Dominique DIVE, Gaëtan GARRAUX, Nicolas LEJEUNE, Emilie LOMMERS, Julien LY, Pierre MAQUET - [50h SEM]	TA	30	-	-		10
NEUR2115-1	Supervised exercises in Neurology, B1 - Supervised exercises including in neurophysiology - Olivier BODART, Dominique DIVE - Bedside learning - Pierre MAQUET	TA	-	90	-		23
REAN0753-1	ALS: managing adult cardiac arrests, before, during, after - Alexandre GHUYSEN, Julien SZECEL	TA	-	16	-		1
SIMU0115-1	Procedural workshops and applied simulation in Neurology, Block 1 - Pierre MAQUET	TA	-	8	-		1

Compulsory Training

MSTG2003-1	Training in clinical practice including on-duty in Neurology, B1 - Olivier BODART, François DELVOYE, Frédérique DEPIERREUX, Dominique DIVE, Gaëtan GARRAUX, Nicolas LEJEUNE, Emilie LOMMERS, Julien LY, Pierre MAQUET - [11half-d Internship]	TA	-	-	[+]		25
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Surgery module

CHIR2100-1	Interuniversity theory courses including seminars, B1 - Interuniversity training - Arnaud DE ROOVER, Olivier DETRY, Rodolphe DURIEUX, Nicholas GILBO, Didier MARTIN, JeanLuc NIZET, Vincent TCHANASATO, David WALTREGNY - Postgraduate seminars from the Royal Belgian Society of Surgery - Arnaud DE ROOVER, Olivier DETRY, Rodolphe DURIEUX, Nicholas GILBO, Didier MARTIN, JeanLuc NIZET, Vincent TCHANASATO, David WALTREGNY - [20h SEM] - Weekly seminars organised by the different internship departments - Arnaud DE ROOVER, Olivier DETRY, Rodolphe DURIEUX, Nicholas GILBO, Didier MARTIN, JeanLuc NIZET, Vincent TCHANASATO, David WALTREGNY - [40h SEM]	TA	45	-	-	[+]	10
CHIR2045-1	Drafting and presentation of scientific work, Block 1 - COLLÉGIALITÉ	TA	-	-	-		5
CHIR2146-1	Supervised exercises in surgery, B1 - Introduction to operating techniques in operating rooms - Arnaud DE ROOVER, Olivier DETRY, Rodolphe DURIEUX, Nicholas GILBO, Didier MARTIN, JeanLuc NIZET, Vincent TCHANASATO, David WALTREGNY - Introduction to new techniques (videoscapy, pre-operative ultrasound,	TA	-	150	-		15

microsurgical techniques, surgery) - Arnaud DE ROOVER, Olivier DETRY, Rodolphe DURIEUX, Nicholas GILBO, Didier MARTIN, JeanLuc NIZET, Vincent TCHANASATO, David WALTREGNY

- *Bedside learning* - Arnaud DE ROOVER, Olivier DETRY, Rodolphe DURIEUX, Nicholas GILBO, Didier MARTIN, JeanLuc NIZET, Vincent TCHANASATO, David WALTREGNY

SIMU0111-1	<i>Procedural workshops and applied simulation in Surgery, Block 1</i> - Olivier DETRY	TA	-	48	-	5
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Compulsory Training

MSTG0023-1	<i>Training in clinical practice, including on-duty in surgery and accident and emergency, B1</i> - Olivier DETRY - [11half-d Internship]	TA	-	-	[+]	25
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Block 2

Optional courses

Choose one module that has not been taken in block 1:

Neurology module

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> - Olivier BODART, François DELVOYE, Frédérique DEPIERREUX, Dominique DIVE, Gaëtan GARRAUX, Nicolas LEJEUNE, Emilie LOMMERS, Julien LY, Pierre MAQUET - <i>In-depth study of neurological pathologies, diagnostic techniques and specific therapies</i> - Olivier BODART, François DELVOYE, Frédérique DEPIERREUX, Dominique DIVE, Gaëtan GARRAUX, Nicolas LEJEUNE, Emilie LOMMERS, Julien LY, Pierre MAQUET - <i>Seminars</i> - Olivier BODART, François DELVOYE, Frédérique DEPIERREUX, Dominique DIVE, Gaëtan GARRAUX, Nicolas LEJEUNE, Emilie LOMMERS, Julien LY, Pierre MAQUET - [50h SEM]	TA	30	-	-	10
NEUR2115-1	<i>Supervised exercises in Neurology, B1</i> - <i>Supervised exercises including in neurophysiology</i> - Olivier BODART, Dominique DIVE - <i>Bedside learning</i> - Pierre MAQUET	TA	-	90	-	23
REAN0753-1	<i>ALS: managing adult cardiac arrests, before, during, after</i> - Alexandre GHUYSEN, Julien SZECEL	TA	-	16	-	1
SIMU0115-1	<i>Procedural workshops and applied simulation in Neurology, Block 1</i> - Pierre MAQUET	TA	-	8	-	1

Compulsory Training

MSTG2003-1	<i>Training in clinical practice including on-duty in Neurology, B1</i> - Olivier BODART, François DELVOYE, Frédérique DEPIERREUX, Dominique DIVE, Gaëtan GARRAUX, Nicolas LEJEUNE, Emilie LOMMERS, Julien LY, Pierre MAQUET - [11half-d Internship]	TA	-	-	[+]	25
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Surgery module

CHIR2100-1	<i>Interuniversity theory courses including seminars, B1</i> - <i>Interuniversity training</i> - Arnaud DE ROOVER, Olivier DETRY, Rodolphe DURIEUX, Nicholas GILBO, Didier MARTIN, JeanLuc NIZET, Vincent TCHANASATO, David WALTREGNY - <i>Postgraduate seminars from the Royal Belgian Society of Surgery</i> - Arnaud DE ROOVER, Olivier DETRY, Rodolphe DURIEUX, Nicholas GILBO, Didier MARTIN, JeanLuc NIZET, Vincent TCHANASATO, David WALTREGNY - [20h SEM] - <i>Weekly seminars organised by the different internship departments</i> - Arnaud DE ROOVER, Olivier DETRY, Rodolphe DURIEUX,	TA	45	-	-	10
			-	-	[+]	
			-	-	[+]	

, Didier MARTIN, JeanLuc NIZET, Vincent TCHANASATO,
David WALTREGNY - [40h SEM]

CHIR2045-1	<i>Drafting and presentation of scientific work, Block 1 - COLLÉGIALITÉ</i>	TA	-	-	-	5
CHIR2146-1	<i>Supervised exercises in surgery, B1</i>	TA				15
	- <i>Introduction to operating techniques in operating rooms -</i>		-	150	-	
	Arnaud DE ROOVER, Olivier DETRY, Rodolphe DURIEUX, Nicholas GILBO, Didier MARTIN, JeanLuc NIZET, Vincent TCHANASATO, David WALTREGNY					
	- <i>Introduction to new techniques (videoscapy, pre-operative ultrasound, microsurgical techniques, surgery) -</i>		-	150	-	
	Arnaud DE ROOVER, Olivier DETRY, Rodolphe DURIEUX, Nicholas GILBO, Didier MARTIN, JeanLuc NIZET, Vincent TCHANASATO, David WALTREGNY					
	- <i>Bedside learning -</i>		-	50	-	
	Arnaud DE ROOVER, Olivier DETRY, Rodolphe DURIEUX, Nicholas GILBO, Didier MARTIN, JeanLuc NIZET, Vincent TCHANASATO, David WALTREGNY					
SIMU0111-1	<i>Procedural workshops and applied simulation in Surgery, Block 1 -</i> Olivier DETRY	TA	-	48	-	5

Compulsory Training

MSTG0023-1	<i>Training in clinical practice, including on-duty in surgery and accident and emergency, B1 -</i> Olivier DETRY - [11half-d Internship]	TA	-	-	[+]	25
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Block 3

Compulsory courses

NEUR2108-1	<i>Theory courses, B3</i>	TA				5
	- <i>Neuro-anatomy and normal and pathological physiology -</i> Didier MARTIN	4	-	-		
	- <i>Neuro-imaging -</i> Didier MARTIN	4	-	-		
	- <i>Cranial traumatology -</i> Didier MARTIN	4	-	-		
	- <i>Spinal traumatology -</i> Didier MARTIN	4	-	-		
	- <i>Infection of the central nervous system -</i> Didier MARTIN	4	-	-		
	- <i>Functional neurosurgery (epilepsy, abnormal movements, pain) -</i> Didier MARTIN	4	-	-		
	- <i>Neuro-oncology -</i> Didier MARTIN	4	-	-		
	- <i>Vascular pathology -</i> Didier MARTIN	4	-	-		
	- <i>Spinal and medullary pathologies -</i> Didier MARTIN	4	-	-		
	- <i>Developmental abnormalities and hydrocephaly -</i> Didier MARTIN	4	-	-		
	- <i>Pathology of the peripheral nervous system -</i> Didier MARTIN	4	-	-		
NEUR0115-1	<i>Supervised exercises in Neurosurgery, B3</i>	TA				20
	- <i>Learning in the operating room -</i> Quentin DEWANDRE, Annie DUBUISSON, Bruno KASCHTEN, Didier MARTIN, Tudor RACARU, Gilles REUTER, AnneLaure SALADO, Félix SCHOLTES - [160h PBL]		-	-	[+]	
	- <i>Exercises at the patient's bedside -</i> Quentin DEWANDRE, Annie DUBUISSON, Bruno KASCHTEN, Didier MARTIN, Tudor RACARU, Gilles REUTER, AnneLaure SALADO, Félix SCHOLTES		-	80	-	
NEUR2114-1	<i>Neurosurgery seminars, B3</i>	TA				5
	- <i>Interuniversity neurosurgery seminars -</i> Quentin DEWANDRE, Annie DUBUISSON, Bruno KASCHTEN, Didier MARTIN, Tudor RACARU, Gilles REUTER, AnneLaure SALADO, Félix SCHOLTES - [15h SEM]		-	-	[+]	
	- <i>Continued university training sessions in neurosurgery -</i> Quentin DEWANDRE, Annie DUBUISSON, Bruno KASCHTEN, Didier MARTIN, Tudor RACARU, Gilles REUTER, AnneLaure SALADO, Félix SCHOLTES - [15h SEM]		-	-	[+]	
	- <i>Sessions by the Belgian Society for Neurosurgery -</i> Quentin DEWANDRE, Annie DUBUISSON, Bruno KASCHTEN, Didier MARTIN, Tudor RACARU, Gilles REUTER, AnneLaure SALADO, Félix SCHOLTES - [15h SEM]		-	-	[+]	
MSTG2030-6	<i>Training in clinical practice including on-duty in neurosurgery, B3 -</i> Quentin DEWANDRE, Annie DUBUISSON, Bruno KASCHTEN, Didier MARTIN, Tudor RACARU, Gilles REUTER, AnneLaure SALADO, Félix SCHOLTES -	TA	-	-	[+]	25

Study programmes 2025-2026

Faculty of Medicine

Advanced Master in Neurosurgery

[11half-d Internship]

NEUR0009-3 *Drafting and presentation of scientific publications, B3 - COLLÉGIALITÉ* TA - - - 5

Block 4

Compulsory courses

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

Compulsory Training

MSTG2030-5	<i>Training in clinical practice including on-duty in neurosurgery, B4 - Quentin DEWANDRE, Annie DUBUISSON, Bruno KASCHTEN, Didier MARTIN, Tudor RACARU, Gilles REUTER, AnneLaure SALADO, Félix SCHOLTES - [11half-d Internship]</i>	TA	-	-	[+] 25
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Block 5

Compulsory courses

NEUR2508-1	<i>Theory courses, B5</i>	TA			5
	- <i>Neuroanatomy and normal and pathologic physiology</i> - Didier MARTIN	4	-	-	
	- <i>Neuroimaging</i> - Didier MARTIN	4	-	-	
	- <i>Cranial traumatology</i> - Didier MARTIN	4	-	-	
	- <i>Spinal traumatology</i> - Didier MARTIN	4	-	-	
	- <i>Infection of the central nervous system</i> - Didier MARTIN	4	-	-	
	- <i>Functional neurosurgery (epilepsy, abnormal movements, pain)</i> - Didier MARTIN	4	-	-	
	- <i>Neuro-oncology</i> - Didier MARTIN	4	-	-	
	- <i>Vascular pathology</i> - Didier MARTIN	4	-	-	
	- <i>Spinal and medullary pathology</i> - Didier MARTIN	4	-	-	

	- <i>Developmental abnormalities and hydrocephaly</i> - Didier MARTIN	4	-	-	
	- <i>Pathologies of the peripheral nervous system</i> - Didier MARTIN	4	-	-	
NEUR2514-1	<i>Neurosurgery seminars, B5</i>	TA			5
	- <i>Interuniversity neurosurgery seminars</i> - Quentin DEWANDRE, Annie DUBUISSON, Bruno KASCHTEN, Didier MARTIN, Tudor RACARU, Gilles REUTER, AnneLaure SALADO, Félix SCHOLTES - [15h SEM]	-	-	[+]	
	- <i>Continued university training sessions in neurosurgery</i> - Quentin DEWANDRE, Annie DUBUISSON, Bruno KASCHTEN, Didier MARTIN, Tudor RACARU, Gilles REUTER, AnneLaure SALADO, Félix SCHOLTES - [15h SEM]	-	-	[+]	
	- <i>Sessions by the Belgian Society for Neurosurgery</i> - Quentin DEWANDRE, Annie DUBUISSON, Bruno KASCHTEN, Didier MARTIN, Tudor RACARU, Gilles REUTER, AnneLaure SALADO, Félix SCHOLTES - [15h SEM]	-	-	[+]	
NEUR0515-1	<i>Supervised exercises in Neurosurgery, B5</i>	TA			20
	- <i>Learning in the operating room</i> - Quentin DEWANDRE, Annie DUBUISSON, Bruno KASCHTEN, Didier MARTIN, Tudor RACARU, Gilles REUTER, AnneLaure SALADO, Félix SCHOLTES	-	160	-	
	- <i>Exercises at the patient's bedside</i> - Quentin DEWANDRE, Annie DUBUISSON, Bruno KASCHTEN, Didier MARTIN, Tudor RACARU, Gilles REUTER, AnneLaure SALADO, Félix SCHOLTES	-	80	-	
NEUR0009-2	<i>Drafting and presentation of scientific publications, B5</i> - COLLÉGIALITÉ	TA	-	-	5
Compulsory Training					
MSTG2030-7	<i>Training in clinical practice including on-duty in neurosurgery, B5</i> - Quentin DEWANDRE, Bruno KASCHTEN, Didier MARTIN, Tudor RACARU, Gilles REUTER, AnneLaure SALADO, Félix SCHOLTES - [11half-d Internship]	TA	-	-	25

Block 6

Compulsory courses

NEUR2608-1	<i>Theory courses, B6</i>	TA			5
	- <i>Neuroanatomy and normal and pathologic physiology</i> - Didier MARTIN	4	-	-	
	- <i>Neuroimaging</i> - Didier MARTIN	4	-	-	
	- <i>Cranial traumatology</i> - Didier MARTIN	4	-	-	
	- <i>Spinal traumatology</i> - Didier MARTIN	4	-	-	
	- <i>Infection of the central nervous system</i> - Didier MARTIN	4	-	-	
	- <i>Functional neurosurgery (epilepsy, abnormal movements, pain)</i> - Didier MARTIN	4	-	-	
	- <i>Neuro-oncology</i> - Didier MARTIN	4	-	-	
	- <i>Vascular pathology</i> - Didier MARTIN	4	-	-	
	- <i>Spinal and medullary pathology</i> - Didier MARTIN	4	-	-	
	- <i>Developmental abnormalities and hydrocephaly</i> - COLLÉGIALITÉ, Didier MARTIN	4	-	-	
	- <i>Pathologies of the peripheral nervous system</i> - Didier MARTIN	4	-	-	
NEUR2614-1	<i>Seminar in neurosurgery, B6</i>	TA			5
	- <i>Interuniversity seminars in neurosurgery</i> - Quentin DEWANDRE, Annie DUBUISSON, Bruno KASCHTEN, Didier MARTIN, Tudor RACARU, Gilles REUTER, AnneLaure SALADO, Félix SCHOLTES - [15h SEM]	-	-	[+]	
	- <i>University continuing education sessions in neurosurgery</i> - Quentin DEWANDRE, Annie DUBUISSON, Bruno KASCHTEN, Didier MARTIN, Tudor RACARU, Gilles REUTER, AnneLaure SALADO, Félix SCHOLTES - [15h SEM]	-	-	[+]	
	- <i>Sessions by the Belgian Society for Neurosurgery</i> - Quentin DEWANDRE, Annie DUBUISSON, Bruno KASCHTEN, Didier MARTIN, Tudor RACARU, Gilles REUTER, AnneLaure SALADO, Félix SCHOLTES - [15h SEM]	-	-	[+]	
NEUR0615-1	<i>Supervised exercises in Neurosurgery, B6</i>	TA			10
	- <i>Learning in the operating room</i> - Quentin DEWANDRE, Annie DUBUISSON, Bruno KASCHTEN, Didier MARTIN, Tudor RACARU, Gilles REUTER, AnneLaure SALADO, Félix SCHOLTES	-	120	-	

- *Exercises at the patient's bedside* - Quentin DEWANDRE, Annie DUBUISSON, Bruno KASCHTEN, Didier MARTIN, Tudor RACARU, Gilles REUTER, AnneLaure SALADO, Félix SCHOLTES - 40 -

MTFE2034-1 *Final piece of work presented as part of certification* - COLLÉGIALITÉ TA - - - 15

MEDE3001-1 *Cross-cutting courses: Patient communication, quality of care, factual medicine, electronic data management and clinical leadership* - Vincent BONHOMME - [16h SEM] TA - - [+] 5

Compulsory Training

MSTG2030-2 *Training in clinical practice including on-duty in neurosurgery, B6* - Quentin DEWANDRE, Annie DUBUISSON, Bruno KASCHTEN, Didier MARTIN, Tudor RACARU, Gilles REUTER, AnneLaure SALADO, Félix SCHOLTES - [11half-d Internship] TA - - [+] 20