

## 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	<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	-	-		<b>10</b>
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	-		<b>23</b>
REAN0753-1	<i>ALS: managing adult cardiac arrests, before, during, after</i> - Alexandre GHUYSEN, Julien SZECEL	TA	-	16	-		<b>1</b>
SIMU0115-1	<i>Procedural workshops and applied simulation in Neurology, Block 1</i> - Pierre MAQUET	TA	-	8	-		<b>1</b>

#### 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 - [1half-d Internship]	TA	-	-		[+]	<b>25</b>
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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, 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, Vincent TCHANASATO, David WALTREGNY - [20h SEM] - <i>Weekly seminars organised by the different internship departments</i> - Arnaud DE ROOVER, Olivier DETRY, Rodolphe DURIEUX, Nicholas GILBO, Didier MARTIN, Vincent TCHANASATO, David WALTREGNY - [40h SEM]	TA	45	-	-		<b>10</b>
CHIR2045-1	<i>Drafting and presentation of scientific work, Block 1</i> - COLLÉGIALITÉ	TA	-	-	-		<b>5</b>
CHIR2146-1	<i>Supervised exercises in surgery, B1</i> - <i>Introduction to operating techniques in operating rooms</i> - Arnaud DE ROOVER, Olivier DETRY, Rodolphe DURIEUX, Nicholas GILBO, Didier MARTIN, Vincent TCHANASATO, David WALTREGNY - <i>Introduction to new techniques (videoscapy, pre-operative ultrasound,</i>	TA	-	150	-		<b>15</b>
			-	150	-		

	<i>microsurgical techniques, surgery</i> ) - Arnaud DE ROOVER, Olivier DETRY, Rodolphe DURIEUX, Nicholas GILBO, Didier MARTIN, Vincent TCHANASATO, David WALTREGNY					
	- <i>Bedside learning</i> - Arnaud DE ROOVER, Olivier DETRY, Rodolphe DURIEUX, Nicholas GILBO, Didier MARTIN, Vincent TCHANASATO, David WALTREGNY	-	50	-		
SIMU0111-1	<i>Procedural workshops and applied simulation in Surgery, Block 1</i> - Olivier DETRY	TA	-	48	-	5
<b>Compulsory Training</b>						
MSTG0023-1	<i>Training in clinical practice, including on-duty in surgery and accident and emergency, B1</i> - Olivier DETRY - [1 half-d Internship]	TA	-	-	[+]	25

**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	TA				10
	- <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		30	-	-	
	- <i>Seminars</i> - Olivier BODART, François DELVOYE, Frédérique DEPIERREUX, Dominique DIVE, Gaëtan GARRAUX, Nicolas LEJEUNE, Emilie LOMMERS, Julien LY, Pierre MAQUET - [50h SEM]		15	-	-	
			-	-	[+]	
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				23
			-	90	-	
			-	150	-	
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 - [1 half-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, Vincent TCHANASATO, David WALTREGNY	TA				10
	- <i>Postgraduate seminars from the Royal Belgian Society of Surgery</i> - Arnaud DE ROOVER, Olivier DETRY, Rodolphe DURIEUX, Nicholas GILBO, Didier MARTIN, Vincent TCHANASATO, David WALTREGNY - [20h SEM]		45	-	-	
	- <i>Weekly seminars organised by the different internship departments</i> - Arnaud DE ROOVER, Olivier DETRY, Rodolphe DURIEUX,		-	-	[+]	
			-	-	[+]	

	, Didier MARTIN, Vincent TCHANASATO, David WALTREGNY - [40h SEM]				
CHIR2045-1	<i>Drafting and presentation of scientific work, Block 1</i> - COLLÉGIALITÉ	TA	-	-	5
CHIR2146-1	<i>Supervised exercises in surgery, B1</i> - <i>Introduction to operating techniques in operating rooms</i> - Arnaud DE ROOVER, Olivier DETRY, Rodolphe DURIEUX, Nicholas GILBO, Didier MARTIN, Vincent TCHANASATO, David WALTREGNY - <i>Introduction to new techniques (videoscopy, pre-operative ultrasound, microsurgical techniques, surgery)</i> - Arnaud DE ROOVER, Olivier DETRY, Rodolphe DURIEUX, Nicholas GILBO, Didier MARTIN, Vincent TCHANASATO, David WALTREGNY - <i>Bedside learning</i> - Arnaud DE ROOVER, Olivier DETRY, Rodolphe DURIEUX, Nicholas GILBO, Didier MARTIN, Vincent TCHANASATO, David WALTREGNY	TA	-	150	15
SIMU0111-1	<i>Procedural workshops and applied simulation in Surgery, Block 1</i> - Olivier DETRY	TA	-	48	5
<b>Compulsory Training</b>					
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

**Block 3**

**Compulsory courses**

NEUR2108-1	<i>Theory courses, B3</i> - <i>Neuro-anatomy and normal and pathological physiology</i> - Didier MARTIN - <i>Neuro-imaging</i> - Didier MARTIN - <i>Cranial traumatology</i> - Didier MARTIN - <i>Spinal traumatology</i> - Didier MARTIN - <i>Infection of the central nervous system</i> - Didier MARTIN - <i>Functional neurosurgery (epilepsy, abnormal movements, pain)</i> - Didier MARTIN - <i>Neuro-oncology</i> - Didier MARTIN - <i>Vascular pathology</i> - Didier MARTIN - <i>Spinal and medullary pathologies</i> - Didier MARTIN - <i>Developmental abnormalities and hydrocephaly</i> - Didier MARTIN - <i>Pathology of the peripheral nervous system</i> - Didier MARTIN	TA	4	-	5
NEUR0115-1	<i>Supervised exercises in Neurosurgery, B3</i> - <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	TA	-	[+]	20
NEUR2114-1	<i>Neurosurgery seminars, B3</i> - <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]	TA	-	[+]	5
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 - [11half-d Internship]	TA	-	[+]	25

NEUR0009-3	<i>Drafting and presentation of scientific publications, B3</i> - COLLÉGIALITÉ	TA	-	-	-	<b>5</b>
<b>Block 4</b>						
<b>Compulsory courses</b>						
NEUR2408-1	<i>Theory courses, B4</i>	TA				<b>5</b>
	- <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				<b>5</b>
	- <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				<b>20</b>
	- <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</i> - COLLÉGIALITÉ	TA	-	-	-	<b>5</b>
<b>Compulsory Training</b>						
MSTG2030-5	<i>Training in clinical practice including on-duty in neurosurgery, B4</i> - Quentin DEWANDRE, Annie DUBUISSON, Bruno KASCHTEN, Didier MARTIN, Tudor RACARU, Gilles REUTER, AnneLaure SALADO, Félix SCHOLTES - [1 half-d Internship]	TA	-	-	[+]	<b>25</b>
<b>Block 5</b>						
<b>Compulsory courses</b>						
NEUR2508-1	<i>Theory courses, B5</i>	TA				<b>5</b>
	- <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			<b>5</b>
	- <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			<b>20</b>
	- <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	-	-	<b>5</b>
<b>Compulsory Training</b>					
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 - [1 half-d Internship]	TA	-	-	[+] <b>25</b>

**Block 6**

**Compulsory courses**

NEUR2608-1	<i>Theory courses, B6</i>	TA			<b>5</b>
	- <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			<b>5</b>
	- <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			<b>10</b>
	- <i>Learning in the operating room</i> - Quentin DEWANDRE, Annie DUBUISSON, Bruno KASCHTEN, Didier MARTIN, Tudor RACARU, Gilles REUTER, AnneLaure SALADO, Félix SCHOLTES		-	120	-
	- <i>Exercises at the patient's bedside</i> - Quentin DEWANDRE, Annie DUBUISSON,		-	40	-

Bruno KASCHTEN, Didier MARTIN, Tudor RACARU, Gilles REUTER,  
AnneLaure SALADO, Félix SCHOLTES

MTFE2034-1	<i>Final piece of work presented as part of certification - COLLÉGIALITÉ</i>	TA	-	-	-	<b>15</b>
MEDE3001-1	<i>Cross-cutting courses: Patient communication, quality of care, factual medicine, electronic data management and clinical leadership - Vincent BONHOMME - [16h SEM]</i>	TA	-	-	[+]	<b>5</b>

**Compulsory Training**

MSTG2030-2	<i>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 - [1half-d Internship]</i>	TA	-	-	[+]	<b>20</b>
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