

# Recommended CT chest protocols for COVID-19 patients

## All Philips CT systems

Today, as the spread of coronavirus (COVID-19) persists throughout the global community, Philips is steadfast in its commitment to support health systems and healthcare professionals who entrust us to help them care for their patients. As a leading health technology company, Philips has a broad portfolio of products, services and solutions that can help address the preparation, response and recovery needs for an outbreak of this type of virus. We realize the particular impact of our solutions and services in supporting health systems and care providers. This includes our deep knowledge of diagnostic imaging and ultrasound through healthcare informatics to ensure a seamless flow of critical information. This represents our relentless pursuit of innovative solutions around care areas critical to you and your patients.

To assist you and your staff in this crisis, we have developed recommended scan protocols for all Philips computed tomography systems. We hope this reference makes it easier for you and your staff to have the CT Exam Card or protocol you need readily at your fingertips when dealing with patients suspected of having COVID-19.

### Philips Access CT

Kv	120
mAs	69
Resolution	Standard
Scan type	Chest
RT	0.75
Pitch	1.125
Collimation	16 x 0.8
Filter	Lung B
Thickness	1 mm/0.5 mm
iDose <sup>4</sup> level	4
Matrix	768
Scan time	18.7 sec
DOM	Yes
Caudal to cranial	

Preferable coronal cuts off-line, via CT Viewer

### Philips MX16 CT

Kv	120
mAs	65
Resolution	Standard
Scan Type	Chest
RT	0.5
Pitch	1.5
Collimation	16 x 1.5
Filter	Lung B
Thickness	2 mm/1 mm
iDose <sup>4</sup> level	4
Matrix	768
Scan time	6.1 sec
DOM	Yes
Caudal to cranial	

Preferable coronal cuts off-line, via CT Viewer

### Philips Incisive CT

DRI	14
kVp	120
Average mAs	44 mAs
Resolution	Standard
Scan type	Chest
RT	0.5
Pitch	1.2
Collimation	64 x 0.625
Filter	YB
Thickness	1 mm/0.5 mm
iDose <sup>4</sup> level	4
Matrix	768
Scan time	3.1 sec
DOM	Yes

Preferable coronal cuts off-line, via CT Viewer

### Philips iCT

DRI	14
AST	Off
Resolution	High
Scan type	Chest
kVp	120
RT	0.33
Pitch	1.49
Auto collimation	Off
ZDOM	Yes
Collimation	64 x 0.625
Filter	YC
Thickness	1 mm/0.5 mm
iDose <sup>4</sup> level	4
Matrix	768
Scan time	-2 sec

Preferable coronal cuts off-line, via CT Viewer

### Philips IQon Spectral CT

DRI	16
AST	Off
Resolution	High
Scan type	Chest
kVp	120
RT	0.33
Pitch	1.39
Auto collimation	Off
ZDOM	Yes
Collimation	64 x 0.625
Filter	YC
Thickness	1 mm/0.5 mm
iDose <sup>4</sup> level	4
Matrix	768
Scan time	-2 sec
Recommend to recon Z-Effective	

Preferable coronal cuts off-line, via CT Viewer

### Philips Ingenuity CT • Brilliance 64 CT Vereos Digital PET/CT

DRI	14
AST	Off
Resolution	Standard
Scan type	Chest
kVp	120
RT	0.4
Pitch	1.49
Auto collimation	Off
ZDOM	Yes
Collimation	64 x 0.625
Filter	YB
Thickness	1 mm/0.5 mm
iDose <sup>4</sup> level	4
Matrix	768
Scan time	-2 sec

Preferable coronal cuts off-line, via CT Viewer

### Philips CT Big Bore

DRI	14
AST	Off
Resolution	Standard
Scan type	Chest
kVp	120
RT	0.5
Pitch	Max
Auto collimation	Off
ZDOM	Yes
Collimation	16*1.5
Filter	YA
Thickness	2 mm/1 mm
iDose <sup>4</sup> level	4
Matrix	768
Scan time	- 5 sec
Caudal to cranial	

Preferable coronal cuts off-line, via CT Viewer

### Philips Brilliance 16/GXL

mAs	130 without iDose <sup>4</sup>
Resolution	Standard
Scan type	Chest
kVp	120
RT	0.5
Pitch	1.188
Auto collimation	Off
ZDOM	Yes
Collimation	16*1.5
Filter	YA
Thickness	2 mm/1 mm
FBP	
Matrix	768
Scan time	- 5 sec
Caudal to cranial	

Preferable coronal cuts off-line, via CT Viewer

## Philips Ingenuity Flex

mAs	65
Resolution	Standard
Scan type	Chest
kVp	120
RT	0.5
Pitch	1.188
Auto collimation	Off
ZDOM	Yes
Collimation	16*1.5
Filter	YA
Thickness	2 mm/1 mm
iDose <sup>4</sup> level	4
Matrix	768
Scan time	~ 5 sec
Caudal to cranial	

Preferable coronal cuts off-line, via CT Viewer

