

**Ocular ultrasound** Not performed / evaluation not possible: 157 (65.6%)

Optic nerve sheath diameter indicating intracerebral pressure below 20 mmHg: 95 (96.9%)

Optic nerve sheath diameter indicating intracerebral pressure above 20 mmHg: 3 (3.1%)

Additional findings

None

**Vascular ultrasound** Not performed / evaluation not possible: 0 (0%)

Left internal jugular vein	non-compressible: 27 (10.6%)	compressible: 222 (87.1%)
Right internal jugular vein	non-compressible: 46 (18%)	compressible: 192 (75.3%)
Left axillary vein	non-compressible: 2 (0.8%)	compressible: 246 (96.5%)
Right axillary vein	non-compressible: 0 (0%)	compressible: 251 (98.4%)
Left femoral vein	non-compressible: 7 (2.7%)	compressible: 226 (88.6%)
Right femoral vein	non-compressible: 6 (2.4%)	compressible: 225 (88.2%)
Left popliteal vein	non-compressible: 6 (2.4%)	compressible: 233 (91.4%)
Right popliteal vein	non-compressible: 10 (3.9%)	compressible: 238 (93.3%)

Inferior vena cava	not performed / evaluation not possible: 37 (14.5%) distended IVC (normal with PEEP): 97 (38%) non-distended IVC: 54 (21.2%) IVC indicating volume deficit: 66 (25.9%)
Abdominal aorta	not performed / evaluation not possible: 120 (47.1%) no aneurysm: 30 (11.8%) aneurysm: 5 (2%) aorta not assessable in full length; no aneurysm in assessable sections: 98 (38.4%)

Additional findings (non-exhaustive list)

Arteriovenous fistula after percutaneous coronary intervention

Carotid stenosis	Inferior vena cava thrombus
Arterial calcification and stenosis	Cysts and masses in thyroid gland
Abdominal / femoral stents	Acute arterial occlusion

**Pulmonary ultrasound** Not performed / evaluation not possible: 98 (38.4%)

Physiologic lung sliding	yes: 203 (79.6%) absent on left: 23 (9%)    absent on right: 30 (11.8%)
Interstitial syndrome (B-profile)	no: 185 (72.5%)

	focal left: 15 (5.9%)	focal right: 11 (4.3%)	bilateral: 42 (16.5%)
Lung consolidation	no: 60 (23.5%)		
	left: 171 (67.1%)		
	apical: 1 (0.4%)	medial: 41 (16.1%)	basal: 171 (67.1%)
	right: 157 (61.6%)		
	apical: 2 (0.8%)	medial: 22 (8.6%)	basal: 156 (61.2%)
Signs of pneumothorax	no: 156 (61.2%)		
	left: 19 (7.5%)	right: 15 (5.9%)	
Pneumothorax (detection of lung point)			
	no: 244 (95.7%)		
	left: 4 (1.6%)	right: 6 (2.4%)	
Pulmonary edema	no: 202 (79.2%)	yes: 52 (20.4%)	
Suspected pneumonic infiltrates	no: 234 (91.8%)	left: 10 (3.9%)	right: 6 (2.4%)
Pleural effusion / hemothorax	no: 109 (42.7%)	left: 125 (49%)	right: 95 (37.3%)
Thoracentesis indicated	left: 29 (11.4%)	right: 16 (6.3%)	
Basal atelectasis	no: 94 (36.9%)	left: 132 (51.8%)	right: 98 (38.4%)
Compression atelectasis	no: 209 (82%)	left: 27 (10.6%)	right: 21 (8.2%)

Additional findings (non-exhaustive list)

Masses, suspected metastases	Lung contusion
Rib fractures	Suspected pleural empyema
Pulmonary emphysema	Diaphragmatic elevation
Lung resection	Subcutaneous emphysema (aerodermelectasia)
Pleural effusions despite chest tube	

<b>Focused echocardiography</b>	Not performed / evaluation not possible: 11 (4.3%)
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## Visual left ventricular ejection fraction (LVEF)

not performed / evaluation not possible: 10 (3.9%)  
segmental wall motion abnormalities: 29 (11.4%)  
global hypokinesia / akinesia: 13 (5.1%)  
normal (LVEF > 55%): 174 (68.2%)  
mildly abnormal (LVEF > 45–55%): 24 (9.4%)  
moderately abnormal (LVEF 30–45%): 21 (8.2%)  
severely abnormal (LVEF < 30%): 15 (5.9%)

Pericardial effusion	not performed / evaluation not possible: 9 (3.5%)
	no: 195 (76.5%)
	yes, not hemodynamically significant: 39 (15.3%)
	yes, hemodynamically significant: 0 (0%)

Heart valve disease	not performed / evaluation not possible: 37 (14.5%)
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## Moderate to severe regurgitation

no: 173 (67.8%)  
aortic valve: 10 (3.9%)  
mitral valve: 12 (4.7%)  
tricuspid valve: 16 (6.3%)

## Moderate to severe heart valve stenosis

no: 196 (76.9%)  
aortic valve: 11 (4.3%)  
mitral valve: 1 (0.4%)  
tricuspid valve: 0 (0%)

## Echocardiographic signs of volume deficit

no: 182 (71.4%)  
yes, left ventricle: 47 (18.4%)  
yes, right ventricle: 38 (14.9%)

## Additional findings (non-exhaustive list)

Hypertrophic cardiomyopathy with systolic anterior motion (SAM) of mitral valve leaflet

Endocarditis	Floating structure in left ventricle after cardiac surgery
Ascending aortic aneurysm	Atrial septal aneurysm
Suspected pulmonary hypertension	Right ventricular dysfunction
Floating structure in right atrium	Myocardial aneurysm
Moderate pulmonary insufficiency	Impella® pump malposition
Stenosis of mechanical mitral valve	Left ventricular air bubbles
Right ventricular dilatation	

## **Focused abdominal ultrasound**

Not performed / evaluation not possible: 3 (1.2%)

### Gallbladder

not performed / evaluation not possible: 11 (4.3%)  
no obvious abnormalities: 97 (38%)  
gallbladder not sufficiently assessable: 62 (24.3%)  
sludge: 46 (18%)  
cholelithiasis: 32 (12.5%)  
atonic gallbladder: 10 (3.9%)

### Suspected cholecystitis

no: 128 (50.2%)  
wall thickening > 3 mm: 45 (17.6%)  
perivesicular fluid: 12 (4.7%)

### Suspected cholestasis

no: 187 (73.3%)  
dilated CBD: 42 (16.5%)  
double-barrel phenomenon: 0 (0%)

### Pancreas

not performed / evaluation not possible: 196 (76.9%)  
no obvious abnormalities: 43 (16.9%)

signs of pancreatitis: 4 (1.6%)

#### Liver

not performed / evaluation not possible: 4 (1.6%)

no obvious abnormalities: 4 (1.6%)

reduced liver size: 0 (0%)

liver enlargement (hepatomegaly): 40 (15.7%)

signs of cirrhosis: 11 (4.3%)

dilated hepatic portal vein: 11 (4.3%)

dilated hepatic veins: 22 (8.6%)

suspected liver hematoma: 1 (0.4%)

#### Spleen

not performed / evaluation not possible: 9 (3.5%)

no obvious abnormalities: 187 (73.3%)

splenomegaly: 42 (16.5%)

splenic hematoma: 3 (1.2%)

#### Kidneys

not performed / evaluation not possible: 6 (2.4%)

##### Kidney size

normal: 172 (67.5%)

reduced: 17 (6.7%)

left: 9 (3.5%)

right: 15 (5.9%)

enlarged: 57 (22.4%)

left 39 (15.3%)

right: 44 (17.3%)

##### Dilated renal pelvis

no: 235 (92.2%)

left: 5 (1.2%)

right: 2 (0.8%)

##### Reduced renal parenchyma

no: 201 (78.8%)

yes: 43 (16.9%)

##### Urolithiasis

no: 243 (95.3%)

yes: 0 (0%)

#### Intestinal

not performed / evaluation not possible: 1 (0.4%)

##### Peristalsis

normal: 88 (34.5%)

weak: 146 (57.3%)

absent: 16 (6.3%)

##### Suspected ileus

no: 242 (94.9%)

yes: 8 (3.1%)

#### Urinary bladder

not performed / evaluation not possible: 77 (30.2%)

empty: 154 (60.4%)

filled: 13 (5.1%)

distended: 6 (2.4%)

bladder tamponade: 0 (0%)

#### Pneumoperitoneum

not performed / evaluation not possible: 235 (92.2%)

no: 3 (1.2%)

yes: 14 (5.5%)

#### Free fluid / ascites

not performed / evaluation not possible: 0 (0%)

no: 156 (61.2%)

minimal: 49 (19.2%)

moderate: 41 (16.1%)

massive: 6 (2.4%)

##### Location

diffuse: 25 (9.8%)

hepatorenal recess: 7 (2.7%)

splenorenal recess: 4 (1.6%)

around bladder: 29 (11.4%)

other location: 59 (23.1%)

Additional findings (non-exhaustive list)

Intraparenchymal lesions / metastases / masses

Simple and complex cysts

Splenic septic emboli

Uterine abnormalities

Renal infarction

Unintentional duodenal position of gastric tube

Retroperitoneal hematoma

Occlusion of the portal vein

Bowel wall thickening

Para-aortic lymph node metastases

Duplex kidneys