

Protocol for postmortem sampling. A scheme for a standardized post mortem evaluation and sampling of pigs' lungs. The scheme was compiled at the pathology department at The Norwegian Veterinary Institute to be used in the study of acute respiratory disease outbreaks.

Journal number	Lung no.1	Lung no. 2	Lung no. 3	Lung no. 4	Lung no. 5
Case/control					
Pericarditis Type + sample for bacteriology (If no pleuritis)	0/ fibrin-pur/ fibrous + bact	0/ fibrin-pur/ fibrous + bact	0/ fibrin-pur/ fibrous + bact	0/ fibrin-pur/ fibrous + bact	0/ fibrin-pur/ fibrous + bact
Pleuritis Type and distribution + sample for bacteriology	0 / fibrin-pur / fibrous R cran-lobe/ caud-lobe L cran-lobe / caud-lobe + bact	0 / fibrin-pur / fibrous R cran-lobe/ caud-lobe L cran-lobe / caud-lobe + bact	0 / fibrin-pur / fibrous R cran-lobe/ caud-lobe L cran-lobe / caud-lobe + bact	0 / fibrin-pur / fibrous R cran-lobe/ caud-lobe L cran-lobe / caud-lobe + bact	0 / fibrin-pur / fibrous R cran-lobe/ caud-lobe L cran-lobe / caud-lobe + bact
Take overview photo	Dorsal and ventral	Dorsal and ventral	Dorsal and ventral	Dorsal and ventral	Dorsal and ventral
Tracheitis/bronchitis Type + sample for bacteriology	0 / fibrin -pur + bact	0 / fibrin-pur + bact	0 / fibrin-pur + bact	0 / fibrin-pur + bact	0 / fibrin-pur + bact
Tracheobronchial lymph nodes	0 / mod enlarged / severely enlarged	0 / mod enlarged / severely enlarged	0 / mod enlarged / severely enlarged	0 / mod enlarged / severely enlarged	0 / mod enlarged / severely enlarged
Pneumonia Consolidation, type	0/acute/subacute/chronic	0/acute/subacute/chronic	0/acute/subacute/chronic	0/acute/subacute/chronic	0 /acute /subacute/chronic
Consolidation, distribution Right side	0 /cran-lobe/caud-lobe Focal/multifo/widespread	0 /cran-lobe/caud-lobe Focal/multifo/widespread	0 /cran-lobe/caud-lobe Focal/multifo/widespread	0 /cran-lobe/caud-lobe Focal/multifo/widespread	0 /cran-lobe/caud-lobe Focal/multifo/widespread
Consolidation, distribution Left side	0 /cran-lobe/caud-lobe Focal/multifo/widespread	0 /cran-lobe/caud-lobe Focal/multifo/widespread	0 /cran-lobe/caud-lobe Focal/multifo/widespread	0 /cran-lobe/caud-lobe Focal/multifo/widespread	0 /cran-lobe/caud-lobe Focal/multifo/widespread
Bact sample, case 2 sites from lesions	R cran-lobe /caud-lobe L cran-lobe/caud-lobe	R cran-lobe /caud-lobe L cran-lobe /caud-lobe	R cran-lobe /caud-lobe L cran-lobe /caud-lobe	R cran-lobe /caud-lobe L cran-lobe/caud-lobe	R cran-lobe /caud-lobe L cran-lobe/caud-lobe
Bact sample, control 2 sites	R caudal lobe L cranial lobe	R caudal lobe L cranial lobe	R caudal lobe L cranial lobe	R caudal lobe L cranial lobe	R caudal lobe L cranial lobe

Hist lung, case 4 samples per animal (preferably from lesions): R and L cran-lobe, R and L caud-lobe (Cran-lobes in same vial, caud-lobes in same vial)	R: cran-lobe / caud-lobe L: cran-lobe / caud-lobe	R: cran-lobe / caud-lobe L: cran-lobe / caud-lobe	R: cran-lobe /caud-lobe L: cran-lobe/caud-lobe	R: cran-lobe / caud-lobe L: cran-lobe / caud-lobe	R: cran-lobe / caud-lobe L: cran-lobe / caud-lobe
Hist lung, control 4 samples per animal	R: cran-lobe / caud-lobe L: cran-lobe / caud-lobe	R: cran-lobe / caud-lobe L: cran-lobe / caud-lobe	R: cran-lobe / caud-lobe L: cran-lobe / caud-lobe	R: cran-lobe / caud-lobe L: cran-lobe / caud-lobe	R: cran-lobe / caud-lobe L: cran-lobe / caud-lobe
Hist In, case and control	Tracheobronchial In	Tracheobronchial In	Tracheobronchial In	Tracheobronchial In	Tracheobronchial In
Hist trachea, case	Trachea	Trachea	Trachea	Trachea	Trachea
Freeze lung tissue for PCR Case: sample from cran-lobe and caud-lobe (from lesions if there are any, in the same tube) Control: L cran-lobe and R caud-lobe (in the same tube) (PCV2)	L cran-lobe/ caud-lobe R cran-lobe/ caud- lobe	L cran-lobe/ caud-lobe R cran-lobe/ caud- lobe	L cran-lobe/ caud-lobe R cran-lobe/ caud- lobe	L cran-lobe/ caud-lobe R cran-lobe/ caud- lobe	L cran-lobe/ caud-lobe R cran-lobe/ caud- lobe
Freeze In for PCR, case and control (PCV2)	Tracheobronchial In	Tracheobronchial In	Tracheobronchial In	Tracheobronchial In	Tracheobronchial In
Freeze lung tissue, case 5 x 5 cm from lesion	Lesion	Lesion	Lesion	Lesion	Lesion
Photo cut surface (preferably from lesion)	Cut surface lesion	Cut surface lesion	Cut surface lesion	Cut surface lesion	Cut surface lesion
Tentative diagnosis					

Abbreviations: pur= purulent; bact= bacteriology; Cran-lobe= Cranial – and accessory lobe; Caud-lobe= Caudal lobe; R=Right; L=Left; In=lymph node; Mod= moderately; Multifo= multifocal; Hist= Histology

Lesion type: acute = hyperemia and increased texture. Subacute = mixture between acute and chronic changes. Chronic = fibrosis, abscessation.

Instructions: circle around the alternative that fits the observation. Tick boxes when a task is done.