LEPTODACTYLUS FALLAX POST MORTEM EXAMINATION					
Prosector:	Date://	Path No:			
SPECIMEN DETAILS					
Local ID: GAN:		Sex:			
Hatched:/ Metamorphosed:/	Age: tadpole / metam	orph / juvenile / young adult / adul	t / old adult		
Found dead:/ Post mortem:/	State of preservation: good	od / fair / poor / marked autolysis			
Storage since death: fresh / refrigerated / ambient temperature / frozen / fixed	d with:				
Carefully examine the frog following the steps laid down in this form. At each Whenever you observe something that you think it may be a lesion or and frozen. Describe the lesion as best as you can, including: Location, size	abnormal always: take pictures , tak	ke a bacteriology swab , take sampl	-		
1- PREPARATION		Standard pictures to take	standard samples		
Read microchip. Take morphometric measures. Take two swabs from drink partake a ventral and a dorsal picture	atch for chytrid.		X2 Chytrid swabs		
Give details of circumstances of death and clinical history. Use the back of this sheet if necessary. Weight:g Snout-vent length:	mm Leg :mm				

		1
2- EXTERNAL EXAMIN	ATION	
Examine the skin for wor	unds, change in colour, ectoparasites, fly eggs or larvae. Manipulate bones to detect fractures.	X1 3rd digit in alcohol and
Open the mouth and che	eck its contents, mucosa and tongue, push eyes out and examine them.	digit in formalin
Is the skin dry and dehydrated?		Any lesions observed
		· ·
What is the colour of the ventral		frozen and in formalin
skin?		1
Are there ulcers on the tip of the		Both eyes in formalin.
toes?		1
Is skin sloughing and how: in		1
large sheaths? or in small,		1
brown bits?.		1
2.0		1

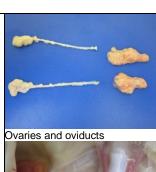
Any other lesions?

Sing scissors, open ventral skin from most caudal point to tip of mandible and separate it from underlying tissues. Jising scissors, open ventral skin from most caudal point to tip of mandible and separate it from underlying tissues. Make transversal sections to reflect skin and increase field. Remove skin from ventral thigh area. Take picture. Sexamine ventral and thigh muscles, Examine lymph sacs. We are the condition of the properties of the control of the con	Any lesion or contents in oral		1
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wy lesion or change in colour? karinthosophian parasites (look ken for gainse embedded in nuscle)? Deen muscle layer with scissor along mid line, making sure not to damage underlying organs. Cut cranially all the way rough sternum and until tip of mandible. Cut transversally to increase field. Then take a picture. Collect any free fluid. Deserve the lay out and general aspect of all organs without disturbing normal anatomy. Carefully remove fat bodies. Fat bodies weight:g Fat bodies weight:g Fat bodies weight:g Fat bodies weight:g Fat bodies weight is a contensile? Not start as contensile? Note the intestines are they entanged? Deserved How big? Remove and weigh.	Give an idea of muscle mass in		
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way fluid in lymph sac? How much? Describe.	like rice grains embedded in		
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5- HEART, LIVER AND SPLEEN Remove the heart by cutting blood vessels at base. If carcase is fresh, make a blood smear from heart blood. x2 Heart blood smears Separate the liver from the intestines and remove. Find the spleen and remove. Examine each of these organs. Take Liver and heart in picture of heart, spleen and liver together. formalin Take a photo of the coelomic cavity (to include, GIT, lungs, reproductive organs and kidneys). Cut heart in ½ and liver in several small pieces. Examine the cut surface. Open the gall bladder and assess contents. Liver and heart frozen Spleen frozen and in X1 gall bladder swab and send for bacteriology Store gall bladder stone if present in plain pot. Liver, heart, spleen and lungs removed YAOTLE Any lesions in surface of liver or Gall bladder measurements (diameter) if present: mm heart? What colour is the liver? What size is the gall bladder and what are its contents like? Is there a sandy content? Is there a large stone? Spleen Heart

		Liver and gall bladder Gallbladder contents	
6- LUNGS Examine glottis. Cut lung	s at bronchus and remove. Check thoroughly one lung for nematodes (either cutting one side	01 5 2 9 9 9 9 10	x1 lung + nematodes in
and stretching it or by in	evaginating it by placing it on finger. Place all nematodes in alcohol. Then cut lung in ½ and	, mo	alcohol
place ½ in alcohol and ½ Any lesions observed?	in formalin. Put the second lung whole in alcohol in same pot as nematodes		lung frozen
Any parasites? Describe.		Larynx and lungs opened from dorsal aspect	lung formalin

7 KIDNEVS AND DEDD	ODLICTIVE TRACT		
cavity empty except for ki	while cutting membranes until gastrointestinal tract is reflected caudally, and the coelomic idneys and gonads. Take a picture (including GIT outside of coelom). Remove gonads, cut a Remove kidneys, examine.	Heart, liver, lungs and spleen removed, GIT retracted caudally, notice fat bodies, kidneys and ovaries.	x1 kidney frozen x1 kidney formalin Gonad (section) formalin







Kidneys, testis and Atrophic fat bodies

8- URINARY BLADDER

Examine wall of urinary bladder With bone cutters or strong scissors, cut through middle of pubic bone and pull apart to expose the pelvic canal and distal portion of rectum. Follow and check bladder wall until attachment with large intestine. Cut a small section of the bladder wall (over a lesion if there is one) divide in two for freezing and formalin. Access the contents through the whole made. Take a swab for bacteriology, collect contents in bijoux for freezing and all the rest in alcohol. Gently wash inside of bladder with water, examine surface, examine connexion with cloaca

Are there any lesions on the bladder wall: lumps, thickening, haemorrhage or adhesions to other organs.? (Normally thin, pinkish and transparent)

Is the urinary bladder attached to large intestine? If so, is there a fistula connecting both organs?

Can you identify the natural opening to the cloaca? Are there any lesions (sweeling, haemorrhage? Etc)



Dissected, opened and extended urinary bladder

Bacteriology swab fro m urinary bladder contents Bladder contents frozen in bijoux.

Rest of contents in alcohol

Bladder wall frozen

bladder wall in formalin

8- GASTROINTESTINAL TRACT (GIT) Examine the length GIT. Identify any lesions, and adhesions to other organs. Open gastrointestinal tract longitudinally GIT + Urinary bladder in from oesophagus to cloaca. Take picture. Collect bacteriology swab from large intestine contents. Examine contents GIT contents in alcohol. Remove and preserve all contents in alcohol. Take picture. Examine mucosa. Examine distal small intestine, large LI contents bacteriology intestine and rectum for lumps, adhesions or fistulae, Take pictures, take small sections of lesion frozen and in formalin. Place parasites in alcohol. Separate GIT from body by cutting around cloacal opening and place whole From any mass or lesion (including urinary bladder) in a separate, large pot of formalin. observed: one piece in formalin and one piece Describe the stomach contents (quantitiy and quality). Any parasites found in a Describe the GIT wall: Is it thick bijoux pot of alcohol. and fleshy or thin like a membrane? Gastrointestinal tract Any parasites? Any areas of haemorrhage? Is the small intestine or large intestine distended? How much (compare to coelomic cavity volume)? Any mass on the intestinal wall? Any adhesions to bladder? Any fistula or rupture? Empty stomach with small amount of mucus

		Large intestine mucosa after removing content	
9- NERVOUS SYSTEM			
	nd place in formalin. Expose the brain from the ventral aspect of the cranium by removing the		Brain and sciatic nerve in formalin.
Any observations?	palate with scissors. Take picture. Gently remove brain and placed in formalin		ronnalin.
Ally observations?			
		Brain	
10- FINISH			
	nuscle and place in formalin. Remove one leg, remove muscles and place bones in alcohol,		Muscle in formalin
	cass remnants and freeze. Label all pots correctly: ID / SAMPLE / DATE / PRESERVATIVE.		Leg in alcohol for
	s and protect with layer of cello tape around pot. Send bacteriology samples to lab for analysis.		skeleton-chronology
	cinerated and surfaces disinfected to prevent disease spread. Contact		
shipment.	oo.org or alberto.barbon@durrell.org attaching this form for decision on sample analysis and		Carcass double bagged fro freezing.
ompinon.			

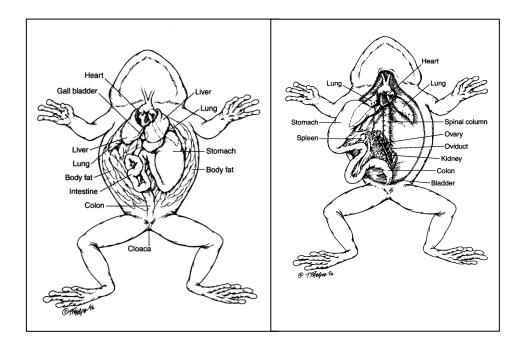
CHECK LIST FOR SAMPLES TO BE COLLECTED DURING POST MORTEM EXAMINATION

(Please tick the boxes to ensure all relevant samples have been collected. Blank cells indicate REQUIRED samples from all post mortems whether lesions are detected or not. Grey boxes indicate that samples are only required if a lesion has been observed. Crossed boxes mean sample not required.

Sample	Frozen	Fixed in formalin	Smear	Fixed in alcohol	Bacter swab	iology
3 rd digit						-
Skin (drink patch)						
Skin and muscle (for DNA)						
Fat body						_
Heart blood						
Heart						
Liver						
Spleen						
Kidney						
Gonad						
Lung						
Lung nematodes						-
eyes						
GIT + urinary bladder						
GIT contents						-
GIT nematodes						
Brain						
Sciatic plexus						
Thigh muscle						
Leg (skeleto-chronology)						-
Carcass						
Other organ with abnormalities / lesions:	Frozen	Fixed in formalin	Smear	Fixed in alcohol	Bact swab	PICS
1 Coelomic fluid						
2 Lymph sac fluid						
3 Urinary bladder contents		**********				
4 GIT mass or other lesion						
5		_	_	_	_	_
6						
7						
8						
9						

Note:

- Frozen samples must be always maintained frozen. Thawing and refreezing will damage them.
- Chytrid swabs are best maintained in fridge but can be transported at room temperature.
- For fixing tissues in formalin or alcohol use a ratio of 10:1 fixative to tissue by volume and ensure all pieces are a maximum of 10mm cube.
- Prior to sending samples in formalin or alcohol, remove as much fixative as possible
 while maintaining tissue wet, close lid well. Wrap up pot in sufficient tissue paper to
 absorb any spillage and double bag.



Selected post mortem lesions



Acantocephala embedded in muscle wall, incidental finding mainly in wild caught animals



Arthrosis, loss of articular cartilage, stifle.



Multiple granulomatous lesions in kidneys.



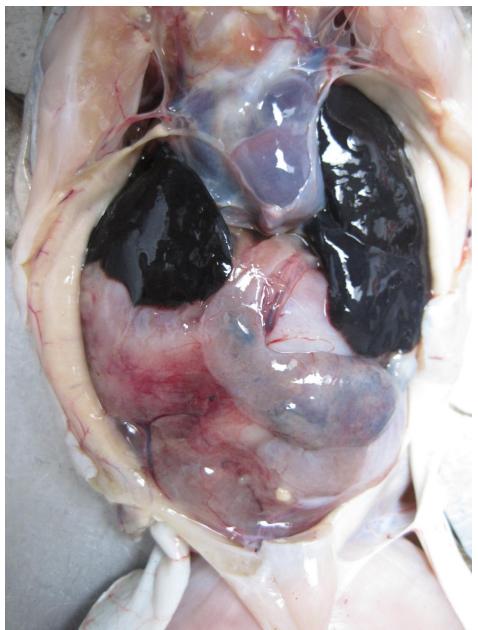
Local ulcerative enteritis, stenosis was suspected due to the large amount of intestinal content proximal to lesion. Histology showed diffuse mucosal ulceration, replaced by necrotic debris, heterophils, free erythrocytes and mixed bacteria, no signs of neoplastic transformation transformed cells in the section.



Severe distension of large intestine due to ingesta accumulation/impaction. Gastrointestinal tract dissected (right)



Severe timpanism caused by distal intestinal adenocarcinoma, causing adhesions with urinary bladder, notice presence of nematodes is distended portion of the intestine.



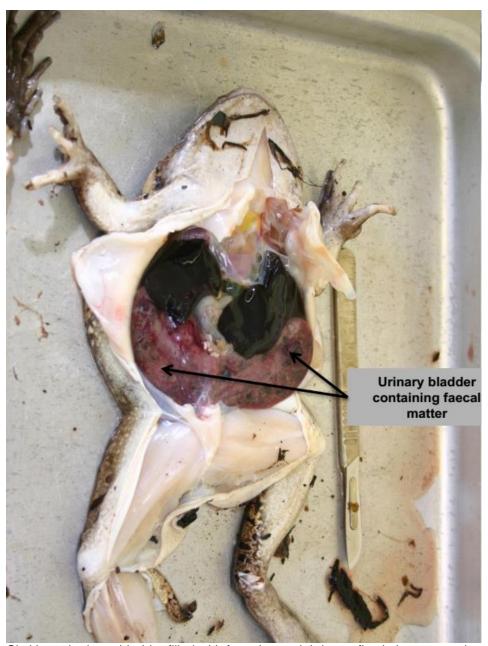
Intestinal adenocarcinoma, adhesions between urinary bladder and intestine.



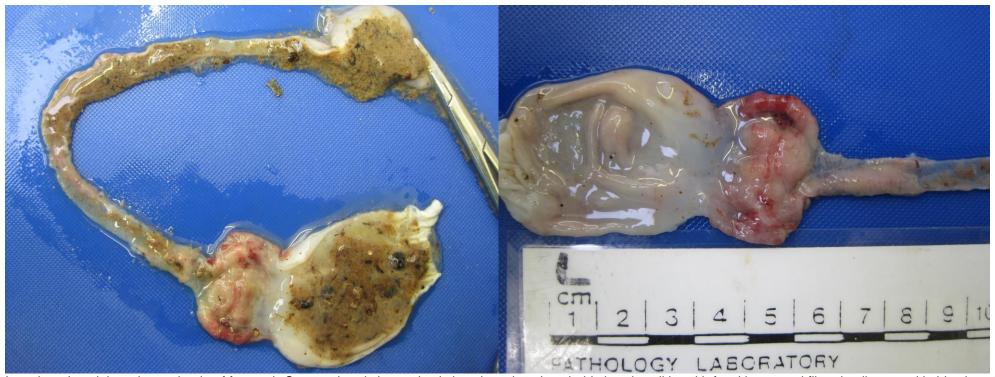
Dissected gastrointestinal tract and urinary bladder in specimen diagnosed in intestinal adenocarcinoma.



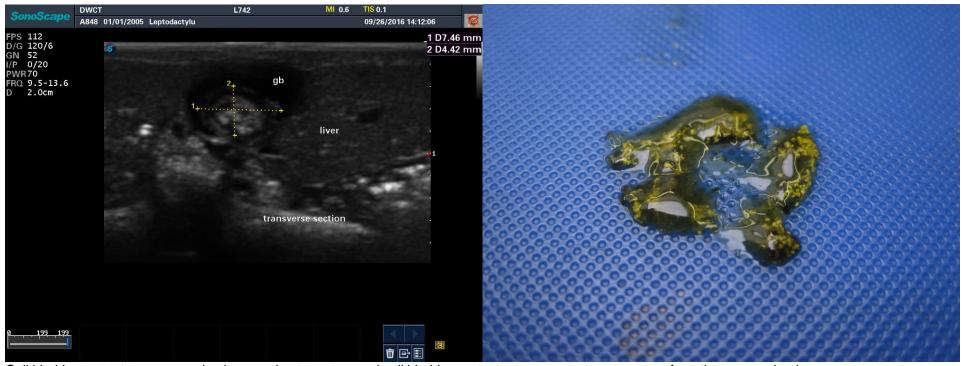
Adhesions between urinary bladder and liver (left), adhesion between bladder and large intestine (right)



Cistitis and urinary bladder filled with faecal material due to fistula between colong and urinary bladder



Intestines (cranial section at the tip of forceps). Severe chronic hyperplastic lymphocytic to lymphohistiocytic colitis, with focal intramural fibrosis, diagnosed in histology from grossly abnormal large intestine section, no evidence of neoplasia



Gall bladder content appearance in ultrasound antemortem and gall bladder content appearance at post mortem from the same animal.



Ulceration in the tip of the digits