RADIOLOGIST VETERINARIAN



## X-RAY PROTOCOL

Hip and Elbow Dysplasia
Examination patella luxation (Putnamscore)

•	RADIOLOGIST VETERINARIAN			
	Please have the X-rays taken by a veterinarian who specialises in X-ray or orthopaedics. To find a			
	specialist in your area, please contact the Veterinary Association or ask your usual veterinarian.			
2	MINIMAL AGE			
	Minimum age for an official score, for small and medium-sized breeds from the age of 12			
	months, large breeds from the age of 18 months. Prediagnosis is possible from 10 months			
	(without sedation)			
3	SEDATION – GENERAL ANAESTHESIA – WITHOUT SEDATION (PRE-DIAGNOSIS)			
	The X-ray examinations should be conducted under deep sedation or under general			
	anaesthesia. The X-ray for a preliminary diagnosis can be carried out without sedation and			
	already gives you good information about the condition of the hips,			
4	POSITIONING – IMAGE QUALITY			
	Radiographs which do not conform to the official positioning protocol are inadmissible for official			
	evaluation, equally qualitatively insufficient images. The technical quality of the image must be			
	perfect to allow good analysis: all joint contours and bone structures must be sharply imaged,			
	otherwise the X-rays may be repeated, with all the inconvenience it entails.			
5	INSCRIPTION & DESIGNATION			
	As a general rule, HD recordings shall be labelled for the purposes of the radiologic examination and			
	marked. X-rays with insufficient, erroneous, provisional or erasable identification are not evaluated.			
	Chip number or Tattoo			
	Name of the dog and name oft the owner			
	Mention right and left indicated with an appropriated led letter (R and L)			
	Mesure on the x-ray mm or cm			
	Name of the veterinarian			
	Date of the X-Rays			
6	ACCEPTED FORMATS			
	DICOM, JPEG			
7	SENDING OF THE IMAGES BY THE RADIOLOGIST TO OUR VETERINARIAN FOR SCORE			
	The X-Rays can be upload on the portal www.myvetsxl.com. The radiologist must register once			
	with the online portal and then submit the x-rays online. After uploading the images to the portal,			
	they are archived at the company in original format for 10 years.			
	The images can also be sent directly by the radiologist to our veterinarian by email. (not by the			
	<b>owner)</b> . Conventional analog X-rays (non-digital recordings) will of course be accepted, sent to			
	our reader by mail (in this case, the dog owner pays the postal fee for the return of the original x-			
0	rays. 7 Euros.			
8	DOCUMENTS THAT MUST BE JOINT TO THE X-RAYS			
	Official certificate of examination with the dog's chip number. Inscription of patellar luxation score			
9	if examination has been performed (See number 17) at the end of the protocol.			
9	PRICES IN EUROS			
10	HD 25 ED 25 V. COLUMN 25 STAMPS 7 VETERINARIAN'S INFORMATION 11 PAYMENT OPTIONS			
10				
	Dr. Jean-François LEFOL, Veterinarian Tel. +33 (0)6 71 78 27 56 Paypal link : <b>PayPal.Me/dysplasie</b> Bank name : CREDIT AGRICOLE NORMANDIE			
	Email: jf.lefol@free.fr IBAN : FR76 1660 6052 1309 1386 3330 013			
	Route Caen, 14150 Ouistreham BIC : AGRIFRPP866			
	FRANCE Check in favour of : Dr. Jean-François LEFOL			
12	HD X-RAYS INSTRUCTIONS – POSITIONING			

The hips can only be evaluated objectively if the pelvis is exactly ventrodorsal and the femora are parallel. This requires deep sedation or anaesthesia. The exposure (kV) shall be selected in such a way that the femora is sufficiently penetrated so that the edge of the ischium is clearly visible.

Position: Extended hindlegs. This is the standard official requested x-ray. The dog is grasped at the tarsi, adducted and turned inwards, extended backwards and pressed down against the table. As a rule, the paw tips intersect.

The X-ray image shall be checked for following criteria:

The pelvis is fully illustrated and the patellae should be visible.

Both foramina obturata appear to be the same size.

Both hip lobes appear to be uniform.

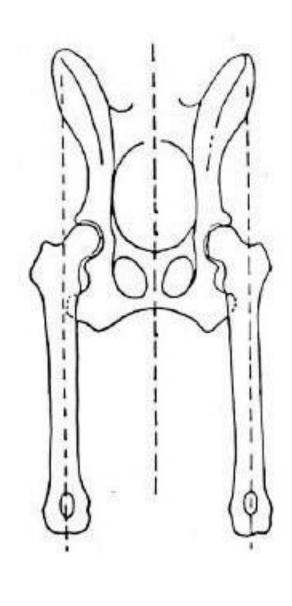
The femora are lying:

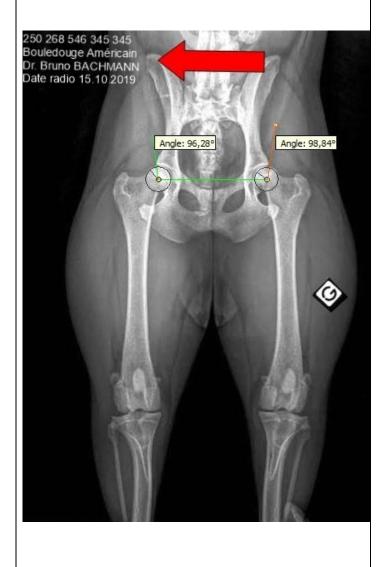
- parallel to each other
- parallel to the spine
- as parallel as possible to the X-ray table.

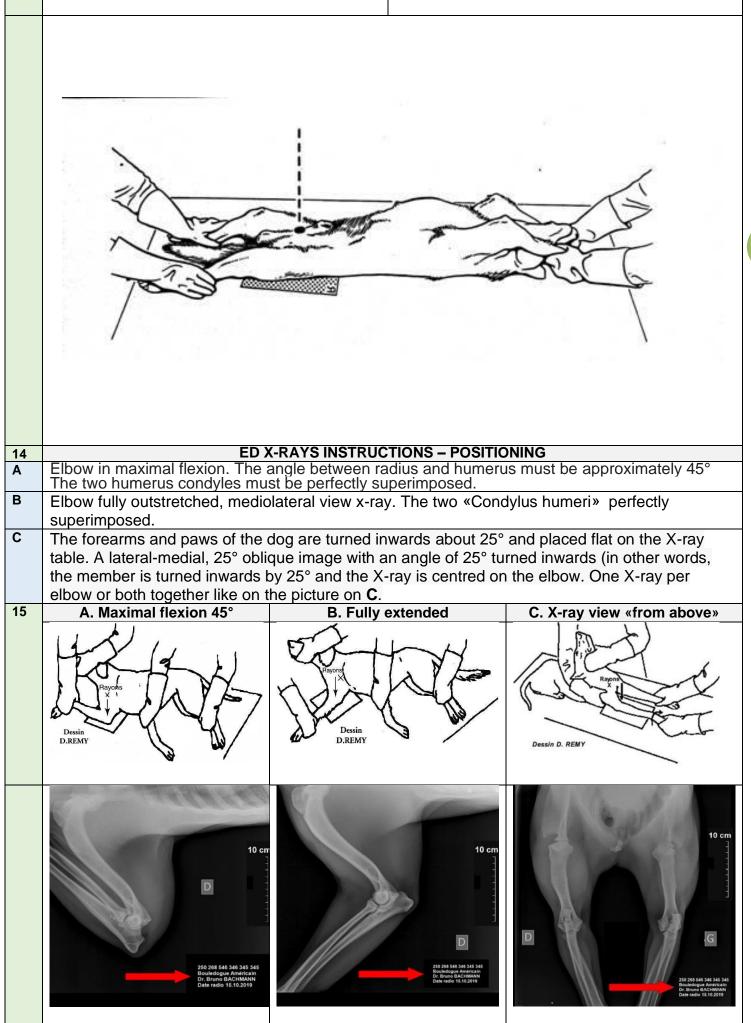
The patellae is mediated between the two femoral condyles.

The dorsal edge of the pan is visible through the femoral head (otherwise the image is underexposed).

13 HD – POSITIONING IMAGES







16	INSCRIPTION OF THE RESULTS IN OUR DATABASE AND PEDIGREE			
	The inscription in our database is free of charge. Results appear on the pedigree and on the			
	progeny's pedigrees up to 5 generations. If you want confidentiality, please let us know.			
17	PATELLAR LUXATION – PUTNAMSCORE			
	Take the opportunity of this visit to your specialist veterinarian to ask him to examine the knees of you dog, no x-ray is necessary. Manipulation of the knees can reveal patellar luxation. A score according to Shingleton may be inscribed on the pedigree. The veterinarian should inscribe the results on the official x-ray examination certificate that he joins to the x-rays.			
	PL-Free	0	No sign of luxation	
	Stade	ı	Patella can be manually luxated but returns to normal position when released	
	Stade	II	Patella luxates with stifle flexion or on manual manipulation and remains luxated until stifle extension or manual replacement occurs	
	Stade	Ш	L patella luxated continually, and can be manually replaced but will reluxate spontaneously when manual pressure is removed.	
	Stade	IV	Patella luxated continually and cannot be manually replaced.	