



Findings Sheet for the Evaluation of the Ureters

Name of the dog (pedigree name):

Whelp date:Weight (kg): Male / Female Incontinence: yes / no

Breed book-Nr.: Chip Nr.:

Owner of the dog: E-Mail:

Street, City, State/Prov. Zip/Postal code:
.....

EDTA- Blood sample collected and stored at TG Verlag (necessary): yes / no

The owner hereby agrees to share the results of the research with the Breeding Committee and the Project Group Ectopic Ureter of the Verband für Kleine Münsterländer e.V. (KIM-Association), as well as with the bodies designated by the KIM-Association (e.g. clinics, scientific advisory committee of the VDH, etc.) for scientific and purposes relevant to breeding and with the publications of these findings.

Declaration of consent according to the Federal Data Protection Act (BDSG): I recognize the Bylaws of the Verband für Kleine Münsterländer e.V. as binding for me. I agree with the electronic storage of the information provided by me, its use for the club's purposes according to its Bylaws, and disclosure to other officials of the association, all in accordance with the applicable data protection regulations for the purposes of associations.

Date and signature of the owner:
.....

To be filled out by the veterinarian **Filled bladder:** Min. Mod. High

a. Ureteral and renal pelvis dilatation before administration of furosemide

No dilatation / Dilatation Diameter at the widest point:(mm)

Both sides / Left / Right

Description of further deviations:

b. Ureteral course intramural

Only visible in the area of the jet or the papilla

Can be followed more than 3 mm as a tubular structure in the wall including peristalsis

c. Ureteral orifice in longitudinal section:

At the same level / Opposite to each other, in mm:.....

Orifice cranial of the vesicourethral junction Left:.....(mm)/Right:.....(mm)

Orifice caudal of the vesicourethral junction

Orifice in the bladder neck / Orifice in the bladder

d. Ureteral jet:

i. In the longitudinal section, sharply delineated, directed towards the caudoventral

ii. In the cross-section sharply delineated, arc-shaped, crossing from lateral to medial direction

iii. Description of deviations:

The examining veterinarian hereby confirms the identity of the dog based on the chip number:
.....

Name, address, stamp and E-mail of the veterinarian:

Date and signature of the veterinarian:



For the veterinarian

Instructions for an Examination for Ectopic Ureter

Examination procedure

- 1) The dog's last feeding should be in the evening or not within the last 6 hours before the procedure. A well-filled bladder is a prerequisite for the sonographic examination.
- 2) Recording of data according to the official Findings Sheet for the Kleine Münsterländer. Signature by the owner of the dog and the examining veterinarian.
- 3) Sonographic examination to assess the ureteral opening by locating the ureteral jet profile. Further information can be obtained from the appraiser, Dr. Hungerbühler (see below), who has been appointed by the Verband für Kleine Münsterländer e.V.
- 4) The evaluation will be made by the appraiser, Dr. Hungerbühler:

Tiergesundheitszentrum Hungerbühler – Tierärztliche Klinik für Kleintiere
Dr. med. vet. Stephan Hungerbühler
Gerichtsweg 3
38229 Salzgitter-Salder
Germany
Tel: 05341-16262
E-Mail: eu-untersuchungen@tiergesundheitszentrum-hungerbuehler.de

General requirements for documentation

For evaluation of the examination by the appraiser, image files and video documentation must be collected. Individual patient data (name, chip nr.) should be saved directly on the CD / DVD—on the data material and, if possible, directly on the image material. The image material must be stored in such a way that processing can be done with standard image programs, otherwise, the software for processing should be included on the CD / DVD.

The image material must be sent to Dr. Hungerbühler, along with the filled out Findings Sheet. Electronic forwarding of the the image material is possible. Dr. Hungerbühler will gladly provide assistance with data transmission.



For the veterinarian

Instructions for an Examination for Ectopic Ureter

Other requirements for image / video documentation:

1. Still images or videos that contain a representation of the entire bladder in two planes.
2. Still images or videos of the kidney in longitudinal and cross-section for the assessment of a dilated renal pelvis.
3. Still images, preferably with identification of the ureteral opening (left, right), preferably at least one image with both jets recognizable in the longitudinal and cross-section views.
4. Still images with measurement of the distance of the ureteral opening to the vesicourethral junction. If this is not done, at least a measurement scale (cm) must be displayed in the image material.
5. Video sequences of the ureter jet profile in longitudinal and cross-section views, if possible, with two jets in one video sequence, otherwise in several sequences.

Factors considered by the appraiser in the categorization:

- A. Ureteral opening ≥ 15 mm cranially of the vesicourethral junction (among other things)
- B. Ureteral opening intravesical with a distance <15 mm to the vesicourethral junction (among other things)
- C. Extravesical ureteral opening or intravesical opening with a dilated ureter, dilated renal pelvis, ureterocele, etc. (among other things).

More detailed information on the description of the individual categories can be requested from the professional appraiser.

The evaluation and categorizing by the appraiser usually takes place within 6 weeks after receipt of the data material. In case of uncertainties, problems with the data format or insufficient examination quality, the examining veterinarian will be informed and suggestions for improvement will be made. Veterinarians who are performing this examination for the first time can obtain more detailed information in advance from Dr. Hungerbühler. The aim of a centralized appraisal is a uniform assessment while ensuring a high-quality examination.