



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

Annual Scientific Report

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XXXIX Cycle

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Cosupervisor

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To evaluate the diagnostic performance of methylene blue as a single technique for the detection of the sentinel lymph node in low-grade cutaneous mast cell tumors in dogs.

> [J Small Anim Pract.](#) 2025 May;66(5):321-327. doi: 10.1111/jsap.13832. Epub 2025 Jan 27.

Intraoperative methylene blue staining is effective as a single mapping technique in the identification of sentinel lymph nodes in dogs with low-grade mast cell tumours

[S Zanardi](#)¹, [D Guerra](#)¹, [S Sabbatini](#)¹, [A Foglia](#)¹, [S Del Magno](#)¹, [V Cola](#)¹, [L Pisoni](#)¹,
[L Ciammaichella](#)¹, [E Faroni](#)¹, [C Agnoli](#)¹, [A Renzi](#)¹, [L Marconato](#)¹

Affiliations + expand

PMID: 39870104 PMCID: [PMC12079307](#) DOI: [10.1111/jsap.13832](#)

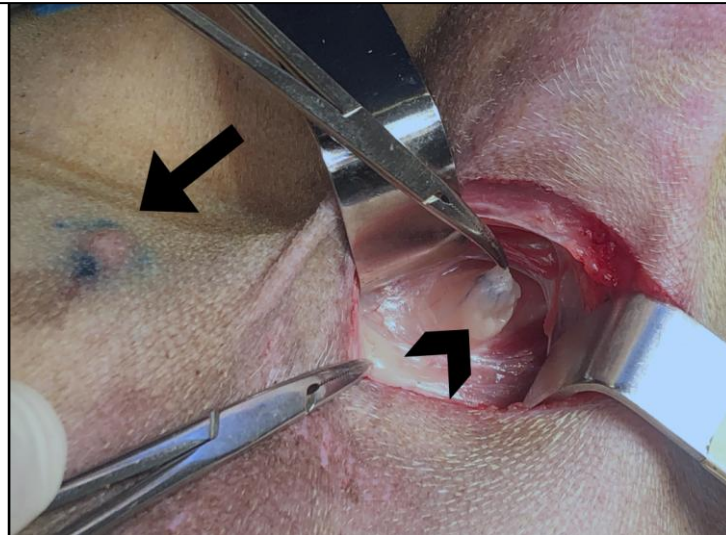
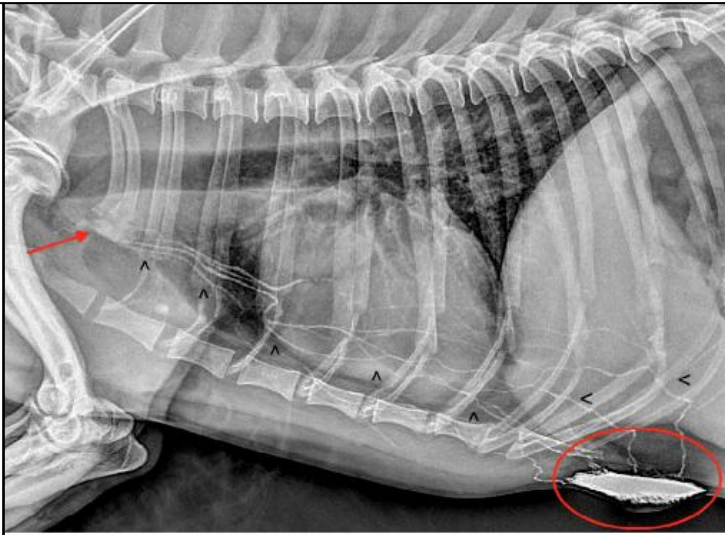


Combination of a preoperative (indirect lymphography) and an intraoperative (methylene blue) technique

> [Vet Comp Oncol.](#) 2023 Sep;21(3):469-481. doi: 10.1111/vco.12906. Epub 2023 May 16.

Sentinel lymph node mapping in canine mast cell tumours using a preoperative radiographic indirect lymphography: Technique description and results in 138 cases

Maurizio Annoni ¹, Simone Borgonovo ², Marina Aralla ³





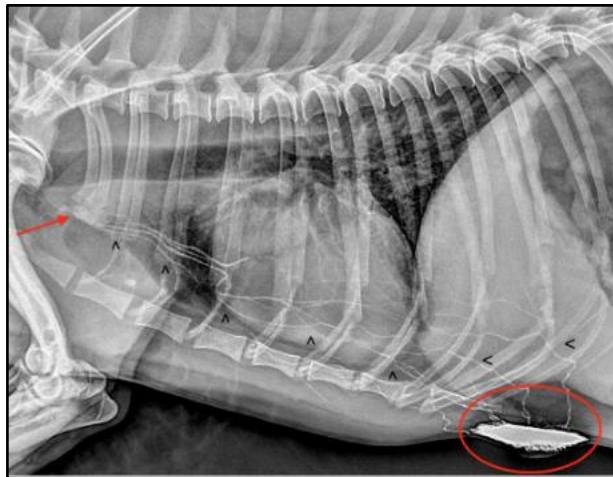
Inclusion criteria

- MCT
- Complete Staging
- No distant metastasis

Regional lymph nodes



Indirect lymphography

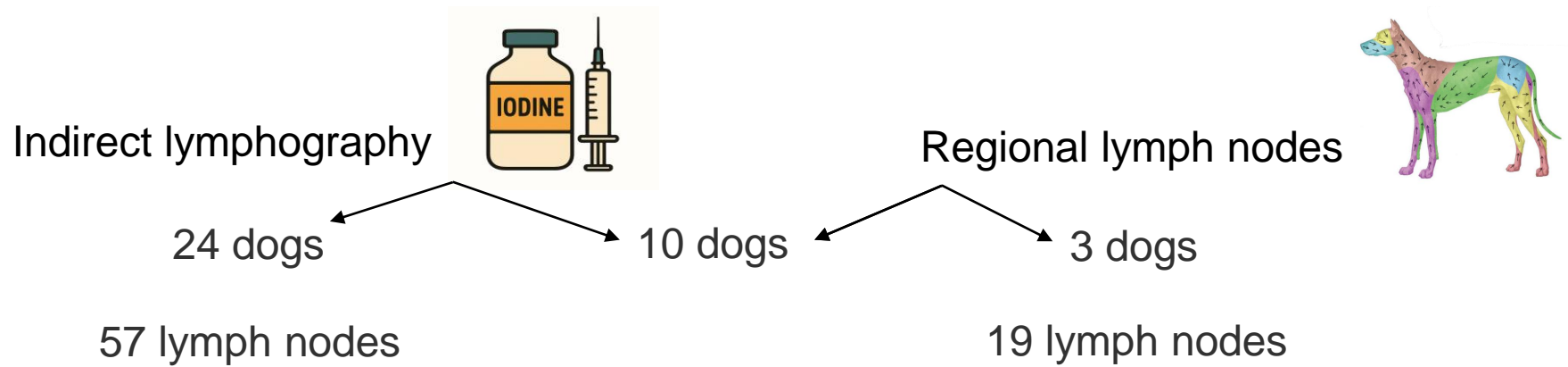


Methylene blue



Results

37 Dogs 76 lymph nodes (med 2Lns range 1-4 Lns)



Method	Nodes with Methylene Blue	Nodes without Methylene Blue
Indirect lymphography (24 dogs, 57 Lns)	36 Lns	21 Lns
	HN0 3	HN0 8
	HN1 17	HN1 5
	HN2 12	HN2 6
	HN3 4	HN3 2
Regional lymph nodes (10 dogs, 19 Lns)	5 Lns	14 Lns
	HN0 3	HN0 6
	HN1 3	HN1 5
	HN2 2	HN2 3
	HN3 2	HN3 3



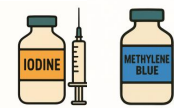
Discussion



91% dogs positive
30% discordant

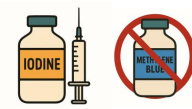


77% Lns concordant



HN0 3 HN1 17 HN2 12 HN3 4

33% Lns discordant



HN0 8 HN1 5 **HN2 6 HN3 2**

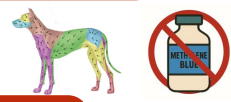


26% Lns concordant



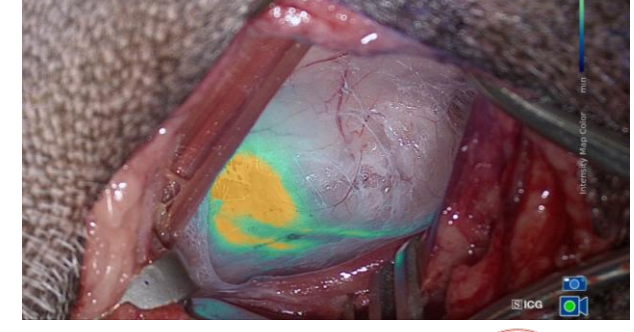
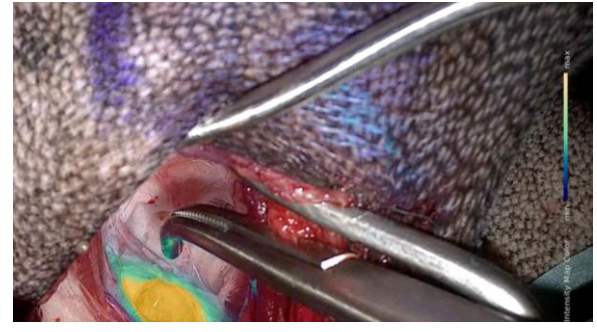
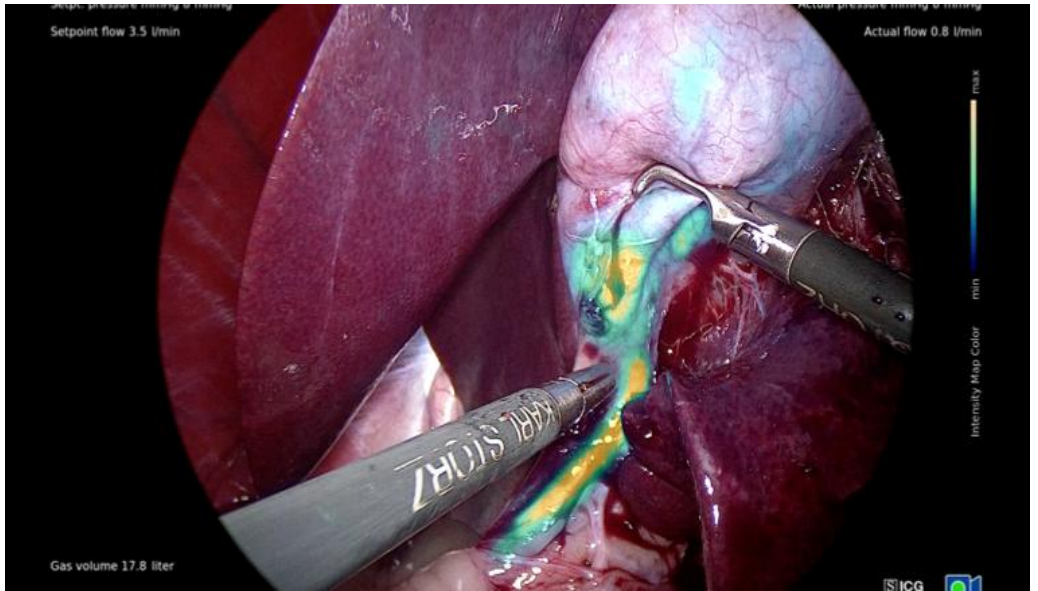
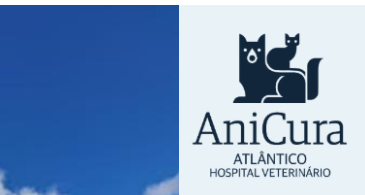
HN0 HN1 3 **HN2 2 HN3**

74% Lns discordant



HN0 6 HN1 5 **HN2 3** HN3

Externship



> [Vet Comp Oncol.](#) 2025 Sep;23(3):424-431. doi: 10.1111/vco.13067. Epub 2025 May 24.

Serum Lactate Dehydrogenase as a Potential Prognostic Biomarker in Dogs With Appendicular Osteosarcoma

Dina Guerra ¹, Silvia Sabattini ¹, Carmit Chalfon ², Marina Aralla ³, Andrea Renzi ¹,
Veronica Cola ¹, Stefano Zanardi ¹, Eugenio Faroni ¹, Angela Simonetto ¹, Laura Marconato ¹

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PMID: 40411422 DOI: [10.1111/vco.13067](https://doi.org/10.1111/vco.13067)



> [Vet Comp Oncol.](#) 2025 Jun;23(2):161-167. doi: 10.1111/vco.13041. Epub 2025 Jan 11.

Adjuvant Chemotherapy Is Associated With Prolonged Survival Time in Small-Breed Dogs Undergoing Amputation for Appendicular Osteosarcoma

Stefano Zanardi ¹, Silvia Sabattini ¹, Federica Rossi ², Matteo Rossanese ³, Paolo Buracco ⁴, Vincenzo Montinaro ⁵, Marina Aralla ⁶, Alfredo Dentini ⁷, Elisa Pizzi ¹, Enrico Volpe ⁸, Giovanni Tremolada ⁹, Laura Marconato ¹

Affiliations + expand

PMID: 39797571 PMCID: [PMC12082752](#) DOI: [10.1111/vco.13041](#)



Case Reports > Vet Surg. 2025 Mar 25. doi: 10.1111/vsu.14249. Online ahead of print.

Penile urethral anastomosis to the vesico-urethral junction, after transabdominal wall passage of the penis, as treatment for intrapelvic stent-related urethral obstruction in a dog

Armando Foglia ¹, Veronica Cola ¹, Sara Del Magno ¹, Francesco Dondi ¹, Roberta Troia ², Stefano Zanardi ¹, Filippo Cinti ³, Luciano Pisoni ¹

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PMID: 40130698 DOI: [10.1111/vsu.14249](https://doi.org/10.1111/vsu.14249)



Received: 8 November 2024 | Revised: 3 February 2025 | Accepted: 13 February 2025

DOI: 10.1002/vrc2.70014

VetRecord
CaseReports

CASE REPORT

Companion or pet animals

Treatment and outcome of gall bladder leiomyoma in an asymptomatic dog

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Abstract

The purpose of this report was to describe the diagnostic protocol, treatment and outcome of an 11-year-old, entire male, mixed-breed dog with a gall bladder neoplasia histologically consistent with a leiomyoma. On referral, the patient had no clinical signs related to the gall bladder mass. The detection of the mass was an incidental finding during the staging for an interdigital mass consistent with a mast cell tumour. Elevations in liver enzyme activities, as well as cholesterol and triglycerides, were supportive of cholestasis. Cholecystectomy was ultimately performed 2 months after diagnosis, and histology confirmed a leiomyoma of the gall bladder. Nineteen months after the cholecystectomy, the dog was alive and in good clinical condition.



Scelta del tempo chirurgico nei gatti con traumi uretrali: analisi retrospettiva di 13 casi

Zanardi S, Pizzi E, Ferrari C, Monari E, Campanerut J, Tassani C, Dondi F, Pisoni L, Del Magno S, Foglia A.

Congresso SCIVAC Arezzo, 15–16 novembre 2024.

Utilizzo del drenaggio addominale Jackson-Pratt nel cane

Di Benedetto M, Ciammaichella L, Ferrari C, Cola V, Foglia A, **Zanardi S**, Cino M, Mattioli G, Pisani G, Pisoni L, Del Magno S.

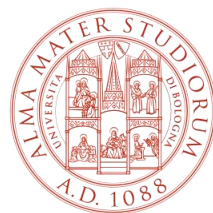
Congresso SCIVAC Arezzo, 15–16 novembre 2024

The impact of delayed urethral rupture repair in cats: retrospective study of 15 cases (2017-2024)

Pizzi E, **Zanardi S**, Ferrari C, Monari E, Campanerut J, Dondi F, Del Magno S, Pisoni L, Foglia A.

Congresso Internazionale ECVS Annual Scientific Meeting 2025





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