

2023 NEHS Annual Meeting Abstract Submission

COMPLETE

NEHS Vice President, Daniel Mastella, M.D., is currently accepting abstract submissions for presentation at our Annual Meeting on December 1, 2023.

This meeting will be held at the Sturbridge Host Hotel in Sturbridge, MA.

Therapists, NPs, and PAs are also encouraged to submit.

THE DEADLINE FOR SUBMISSION IS OCTOBER 15, 2023

RESIDENTS AND FELLOWS ONLY. Please indicate if you want your paper to be considered for the prestigious H.Kirk Watson, M.D. Founder's Award. The abstracts for award consideration will be presented in the morning and the award will be presented in the afternoon.

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* ABSTRACT TITLE

"Post-Traumatic" Glomus Tumor of the Palm

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Kristina Kuklova

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* Name of who will present abstract at NEHS meeting on December 1, 2023 Please note that the same person cannot present more than one abstract at the meeting.

Kristina Kuklova

* Please indicate if the presenter is:

Resident

* List full names of abstract authors Please note - one of the lead authors must be present at the meeting to answer questions about the paper.

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*** ABSTRACT - should include background information and a description of methods, programs, or practices.**

Study Design: Case report.

Objective: To demonstrate a case of glomus tumor in palm of the hand.

Introduction:

Glomus tumors are rare benign, vascular tumors, which account for about 1-5% of all hand tumors. Approximately 75% of the time, they are located in the subungual area of finger, although can be seen at other sites including palm, wrist, forearm, foot, and tip of the spine.

Case Report

Right hand dominant 57yo male with PMHx of right “broke hand” without intervention, who presented to clinic in 2021 with right hand pain and inability to make a fist. At the time, he reported stabbing the base of right middle finger with a sharp metal object while washing dishes at work. Right hand and wrist X-rays demonstrating no acute fractures or dislocation, and remote healed index metacarpal fracture. Patient was advised to take anti-inflammatory medications. One year later, patient was evaluated by a hand surgeon due to constant pain in right hand, which he described as “electric shock”. At that time, he was found to have a mass near the A1 Pulley, with a positive Tinel Sign. On 1/10/2023, patient underwent excision of mass in right palm. The mass appeared well-circumscribed and vascular in nature. Grossly specimen was described as pink-tan in color and irregular. Histopathological examination showed a “Glomangiomyoma – a well-circumscribed vascular-rich lesion with both spindled and epithelioid components within fibrocollagenous septa; no significant mitotic activity or necrosis noted”.

Discussion

The presence of glomus tumors anywhere other than digits makes it difficult to make an accurate and early diagnosis. Diagnosis of glomus tumors is mainly clinical. The triad of localized pain, point tenderness, and cold sensitivity is characteristic of glomus tumors, even though broad list of differential diagnoses that mimic this clinical presentation exists.

Conclusion:

In conclusion, we reported the case of an extradigital glomus tumor arising in subcutaneous tissue of the palm of the hand. This tumor became apparent after a stab injury. Overall, it is important to keep glomus tumor as part of differential diagnoses when patients present with painful mobile nodules anywhere on the body. Complete surgical resection with pathologic assessment provides both definitive diagnosis and treatment.

Please attach files with diagrams and/or photos to support your abstract (10 MB limit)

glomus_tumor_images.docx

*** Please attach the abstract presenter's CV**



Figures: 1. PA view of right hand. 2. Lateral view of right hand. 3. PA oblique view of right hand. 4. PA view of right wrist. 5. Lateral view of right wrist.

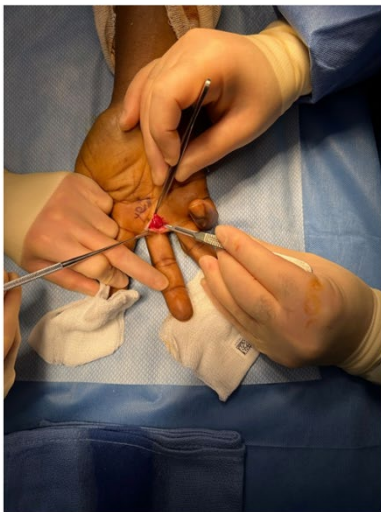


Figure 6: Intra-operative photograph of excised mass of right palm.