



International Journal of Scientific Research in Dental and Medical Sciences

www.ijrdms.com



Virchow's Node in a Different Presentation

Amir Keyvan Sazgar^a, Sahar Karimpour^{b,*}, Mahsa Abbaszadeh^b, Samaneh Parsa^b

^a School of Medicine, Tehran university of Medical sciences, Tehran, Iran

^b Department of Internal Medicine, School of Medicine, Tehran university of Medical Sciences, Tehran, Iran

ARTICLE INFO

Article history:

Received 24 May 2020

Received in revised form 24 July 2020

Accepted 01 August 2020

Available online 08 August 2020

Keywords:

Colorectal cancer

Diagnosis

Metastasis

Virchow node

ABSTRACT

Gastroesophageal(GI) malignancies are among the common malignancies in the world. Many patients come to clinical centers with signs and symptoms of metastasis. It is essential to know different presentations of metastasis. One of the most important sites of GI metastasis is the lymph node present as Virchow's node.

1. Introduction

Colorectal cancer is the third most common cancer globally.^[1] One of the most famous sites of this cancer's metastasis is lymph nodes.^[2] Because of superficial location and easy examination, Virchow's node is one of the most important sites. Enlargement of this node can be an essential clue of gastrointestinal (GI) malignancies. It can also manifest non-GI malignancies like lymphoma, breast, esophageal, pelvic, and testicular cancers.^[3]

2. Case presentation

A 51-year-old male presented to our hospital with fever, chills, myalgia, icterus, nausea and vomiting from 40 days before admission. He also complained of intermittent rectorrhagia and an erythematous node (8*7 cm) in the left supraclavicular area [Figure 1] with mild pain and a scant amount of yellow discharge. He also had persistent pain in the right upper quadrant since ten days ago, bilateral swelling of lower limbs, and over 9kg weight loss.



Figure 1- Patient with swollen left supraclavicular lymph node.

Regarding the signs and symptoms of infection of the node, the first differential diagnosis was the node's abscess. Colonoscopy of the sigmoid colon revealed an infiltrative and ulcerative tumor in favor of colon cancer.

* Corresponding author. Sahar Karimpour

E-mail address: skarimpour@sina.tums.ac.ir

Department of Internal Medicine, School of Medicine, Tehran university of medical sciences, Tehran, Iran

<http://doi.org/10.30485/IJSRDMS.2020.232606.1059>



Further study by abdominal sonography showed an enlarged liver with infiltration and several hyperechoic areas with hypoechoic cores. Besides, histologic examination of supraclavicular core needle biopsy was compatible with metastatic adenocarcinoma.

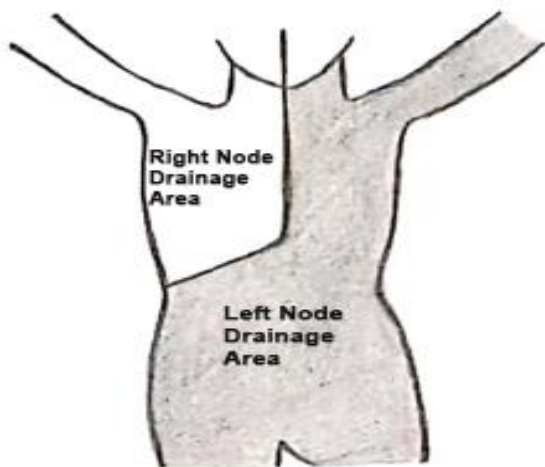


Figure 2. Right and left supraclavicular lymph nodes drainage areas.

As shown in Figure 2, the left supraclavicular node's drainage is from the abdomen, which confirmed the diagnosis.^[4]

Conflict of Interest

The authors declared that there is no conflict of interest.

Acknowledgements

This research received no specific grant from any funding agency in the public, commercial, or not-for-profit sectors.

References

- [1] Araghi M, Soerjomataram I, Jenkins M, Brierley J, Morris E, Bray F, Arnold M. Global trends in colorectal cancer mortality: projections to the year 2035. *International journal of cancer*. 2019;144(12):2992-3000. <https://doi.org/10.1002/ijc.32055>.
- [2] El-Halabi MM, Chaaban SA, Meouchy J, Page S, Salyers Jr WJ. Colon cancer metastasis to mediastinal lymph nodes without liver or lung involvement: A case report. *Oncology letters*. 2014;8(5):2221-4. <https://doi.org/10.3892/ol.2014.2426>.
- [3] Sundriyal D, Kumar N, Dubey SK, Walia M. Virchow's node. *Case Reports*. 2013;2013:bcr2013200749. <http://dx.doi.org/10.1136/bcr-2013-200749>.
- [4] López F, Rodrigo JP, Silver CE, Haigentz Jr M, Bishop JA, Strojan P, Hartl DM, Bradley PJ, Mendenhall WM, Suárez C, Takes RP. Cervical lymph node metastases from remote primary tumor sites. *Head & neck*. 2016;38(S1):E2374-85. <https://doi.org/10.1002/hed.24344>.

How to cite this Article: Sazgar AK, Karimpour S, Abbaszadeh M, Parsa S. Virchow's node in a different presentation. *International Journal of Scientific Research in Dental and Medical Sciences*. 2020; 2(3):105-106. doi:10.30485/IJSRDMS.2020.232606.1059.