Archivos de Bronconeumología xxx (xxxx) xxx–xxx

Sociedad Española de Neumología y Cirugía Torácica SEPAR

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Bronconeumología

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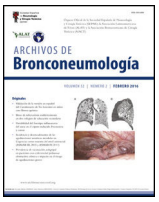

Clinical Image

Facial Blushing Treated by Thoracic Sympathectomy: Visual Evidence

Q1 Álvaro Fuentes-Martín[a,b,*,1], José Soro-García[a,b] Ángel Cilleruelo-Ramos[a,b]

[a] *Servicio de Cirugía Torácica, Hospital Clínico Universitario de Valladolid, Valladolid, Spain*
[b] *Facultad de Medicina, Universidad de Valladolid, Valladolid, Spain*

Fig. 1.

* Corresponding author.
E-mail address: alvarofuentesmartin@gmail.com (Á. Fuentes-Martín).
@alvar0fuentes
[1] https://www.researchgate.net/profile/Alvaro-Fuentes-Martin.

https://doi.org/10.1016/j.arbres.2025.02.003

Please cite this article as: Á. Fuentes-Martín, J. Soro-García and Á. Cilleruelo-Ramos, Facial Blushing Treated by Thoracic Sympathectomy: Visual Evidence, Archivos de Bronconeumología, https://doi.org/10.1016/j.arbres.2025.02.003

An 18-year-old male patient diagnosed with severe facial blushing, refractory to conservative treatment, was selected for bilateral sequential thoracic sympathectomy following a multidisciplinary discussion. The patient's preference to undergo the procedures separately, to minimize risks and facilitate recovery, was respected. The video highlights the striking postoperative outcome following the left-sided sympathectomy performed via uniportal video-assisted thoracoscopic surgery (uVATS) (Fig. 1). The selective interruption of the sympathetic nerve at the T2 level is demonstrated in the postoperative images provided by the patient, showing a clear contrast between the untreated side of the face, which remains visibly red, and the treated left side, which exhibits complete resolution of the facial blushing. This case, supported by visual evidence of the clinical outcome, underscores the effectiveness of thoracic sympathectomy in the treatment of facial blushing, aligning with findings reported in previous studies on the use of this technique.[1,2]

Informed consent

We confirm that we have obtained all consents required by applicable law for the publication of any personal details or images of patients, research subjects or other individuals that are used in the materials submitted to Elsevier. We have retained a written copy of all such consents and we agree to provide Elsevier with copies of the consents or evidence that such consents have been obtained if requested by Elsevier.

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AI Declaration

During the preparation of this work, the authors used generative pre- trained transformer 4 (GPT-4) in order to check grammar, translation and spelling. After using this tool, the authors reviewed and edited the content as needed and take full responsibility for the content of the publication.

Funding

None declared.

Conflicts of Interest

The authors state that they have no conflict of interests.

Appendix A. Supplementary Data

Supplementary data associated with this article can be found, in the online version, at doi:10.1016/j.arbres.2025.02.003.

References

1. Licht PB, Pilegaard HK, Ladegaard L. Sympathicotomy for isolated facial blushing: a randomized clinical trial. Ann Thorac Surg. 2012;94(2):401–5, http://dx.doi.org/10.1016/j.athoracsur.2012.03.076. Epub 2012 May 24. PMID: 22633477.
2. Kuijpers M, van Zanden JE, Harms PW, Mungroop HE, Mariani MA, Klinkenberg TJ, et al. Minimally invasive sympathicotomy for palmar hyperhidrosis and facial blushing: current status and the hyperhidrosis expert center approach. J Clin Med. 2022;11(3):786, http://dx.doi.org/10.3390/jcm11030786. PMID: 35160238; PMCID: PMC8836383.