of age, 75–80% of whom are men, urothelial carcinoma being the predominant form(4,6). Urothelial carcinoma can be multifocal/multicentric, can occur in the upper or lower urinary tract, and is often recurrent(5). Smoking is implicated in 50–65% of all cases in men and in 20–30% of all cases in women(6). Other, less common causes include chemotherapy, exposure to aromatic or heterocyclic amines, radiotherapy, and chronic infection(2,4–6).

Multiple primary malignancies are defined as those that are confirmed, independent, and of non-metastatic origin(7). They are classified as synchronous if they are identified within the first six months after the appearance of the first lesion or as metachronous confirmed, independent, and of non-metastatic origin(2,4–6). The overall prevalence of multiple primary malignancies is 0.7–11.7%, increasing proportionally with patient age(2,4–7). It is estimated that 75% of cases occur in individuals over 50 years of age(7). These values are on the rise due to the effectiveness of treatments, the variety of therapeutic techniques now available, the improvement of diagnostic methods, the increased longevity of the population, and contemporary lifestyles(4,7). Hayat et al.(2) reported a probability of developing a second malignancy, depending on the primary tumors diagnosed, ranging from 1% (history of hepatic neoplasia) to 16% (previous bladder tumors)(2). Braisch et al.(4) observed that 1.2–2.5% of cancer patients who were smokers developed another distinct malignant lesion within the first year of follow-up.

In smokers, multiple primary malignancies can affect several organs, notably the lungs, upper aerodigestive tract, and kidneys, as well as the upper and lower urinary tract. Other potential sites include the thyroid gland, stomach, colon, rectum, and pancreas(4,6,8).

Dural fistula with bilateral arterial supply, mimicking a brainstem tumor

Dear Editor,

A 73-year-old woman presented with a history of at least four episodes of deep vein thrombosis. In the last five months, she had experienced severe ataxia, difficulty in swallowing, bilateral tinnitus, and symptoms related to intracranial hypertension, such as nausea and vomiting. Magnetic resonance imaging (MRI) revealed a hyperintense signal on T2-weighted images and an enlarged brainstem, the swelling extending to the thalamus, cerebellar peduncles, and to the cervical portion of the spinal cord (Figures 1A and 1B). The images could erroneously indicate a diagnosis of brainstem tumor, glioma in particular, due to the infiltrative pattern of the lesion and the increased organ volume. However, thorough evaluation with advanced imaging techniques, such as magnetic susceptibility-weighted sequences, demonstrated an extensive network of dilated peripheral veins, together with pronounced collateral circulation. Cerebral angiography showed a dural arteriovenous fistula (DAVF) with bilateral arterial supply via branches of the maxillary arteries. Venous drainage was mostly through the rectum and galenic system (Figures 1C and 1D). Involvement of the brainstem and cervical spinal cord was due to venous congestive injury. The classical surgical approach was precluded by the deep, inaccessible location, whereas endovascular therapy was precluded by the extensive involvement and bilateral nature of the fistula-sustaining arterial supply. The patient underwent gastrostomy and was discharged to palliative home care.

Vascular lesions are often difficult to diagnose(1–8). DAVFs, which are characterized by abnormal communication between

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Figure 1. A: Axial slice in a susceptibility-weighted sequence showing numerous large-caliber superficial veins, representing venous congestion. B: Coronal slice in a fluid-attenuated inversion recovery sequence showing a hyperintense signal and increased brainstem volume, mimicking a brain tumor. C,D: Digital angiography with subtraction technique, revealing the bilateral nature of the arterial supply (white arrows) and the nidus (black arrows) formed by the fistula.
Plasmacytoma of the trachea: a surprising diagnosis

Dear Editor,

A 68-year-old man presented with a complaint of dyspnea on moderate exertion, and physical examination revealed stridor. The patient reported having previously been treated for chronic obstructive pulmonary disease and adenocarcinoma of the prostate, which was treated with 39 radiotherapy sessions. He had a history of smoking with a smoking history of 150 pack-years (3 pack/day for 50 years), having quit 4 years prior. He was a former smoker with a smoking history of 150 pack-years (3 packs/day for 50 years), having quit 4 years prior. We performed contrast-enhanced computed tomography (CT) of the neck and chest, which showed an expansive, well-defined nodular mass in the distal trachea, near the carina, without enhancement or signs of invasion of the tracheal walls (Figures 1 and 2). Bronchoscopy was requested for tumor resection, and symptom resolution was observed after the resection. The histopathological study identified an outer layer with the appearance of plasmacytoid cells, sometimes with a central eosinophilic nucleolus—“cartwheel appearance”—and hyaline intracytoplasmic inclusions suggestive of Russell bodies. The immunohistochemical profile demonstrated positivity for CD3, CD20, CD45, kappa light chain, and CD138 in plasmacytes. In the context of the clinical status and test results, the findings were consistent with solitary extramedullary plasmacytoma.

Diseases involving the trachea or the main bronchi are not common\(^1\)-\(^4\). Less common still are tracheal tumors, which account for only 1–2% of all respiratory tract tumors\(^5,6\), affecting mainly the lower third of the tract\(^7\). Such tumors can be locally

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Figure 1. A: Axial CT scan, without contrast, showing an extensive, well-defined nodular mass in the distal trachea, measuring 2.1 × 1.3 × 1.7 cm, without signs of tracheal wall invasion. B: Coronal CT scan, without contrast, showing an expansive, well-defined nodular mass in the distal trachea, at the level of the carina, without signs of tracheal wall invasion.