Blue Nevus of the Prostate: Is It Truly a Rare Lesion?

To the Editors:

In reference to the 2 recently published cases of multifocal blue nevus of the prostate,1,2 we have 2 further cases of this lesion to add to the literature. The first one is a 69-year-old man who suffered from a residual prostatic adenocarcinoma after internal radiation therapy. A radical prostatectomy and bilateral pelvic lymphadenectomy was then performed. Histopathological examination of the whole prostatic gland revealed a residual adenocarcinomatous component and a bifocal blue nevus of the prostate characterized by exclusively stromal aggregates of fusiform and dendritic cells containing melanin pigment (Figure 1).

The second case is a 81-year-old man with symptoms related to urinary obstruction. After performing transurethral resection of the prostate, the specimen was sent to us for pathological examination. In addition to prostatic benign fibroleiomyoadenomatous hyperplasia, <5% of the fragments showed multiple foci of blue nevus of the prostate consisting of melanin-containing cells with spindled, elongated, or dendritic appearance interspersed in the fibromuscular stroma of the prostate and never involving glands. Some fragments showed separate foci of pigmented cells, thus revealing the multifocality of the lesion (Figure 2).

In summary, we presented the 35th and 36th cases of blue nevus of the prostate in the English literature, and the third and fourth cases of multifocal ones.1,2 Based on the literature review reported by Dailey and colleagues3 and by Ponte and colleagues,1 this lesion seem to be a very rare finding. Nevertheless, in our institution we have observed 4 cases of blue nevus of the prostate in the last 3 years, and all of them were multifocal. We thus wonder if this lesion is truly rare or if it is simply overlooked by pathologists or perhaps not reported.

Nataniele Piol, M.D.
Bruno Spina, M.D.
Riccardo Banchero, M.D.
Massimo Maffezzini, M.D.
Carlo Toncini, M.D.

From the Departments of Anatomical Pathology and of Urology, Ospedale Policlinico San Martino, Genoa, Italy, and University of Genoa, Genoa, Italy.

Address correspondence to: Nataniele Piol, M.D., Department of Integrated Surgical and Diagnostic Sciences, University of Genoa, Via de Toni 14, 16132 Genoa, Italy (natanielegioele@alice.it).
References

Financial Disclosure: The authors have no connection to any companies or products mentioned in this letter.

Keywords: blue nevus; melanin; melanocytes; multifocal; prostate. (Anal Quant Cytopathol Histopathol 2018;40:54–55)