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Congenital anomalies of the genitourinary system can help in diagnosis of the primary site of metastatic cancer: Case report

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Background: Congenital anomalies of the genitourinary system (GUS) are very common and predispose patients to many complications, including infection, obstruction, stasis, calculus formation and impaired renal function. Congenital GUS anomalies may be also accompanied by specific types of cancer and therefore their presence could help in the diagnosis of the primary site of a metastatic tumor.

Case presentation: In this article, the authors present a 58-year old male patient with metastatic adenocarcinoma in whom congenital anomalies of the GUS proved helpful for the diagnosis of the primary site of cancer originating in seminal vesicles.

Conclusion: We are reporting an extremely rare case of primary adenocarcinoma arising probably from the left seminal vesicle associated with ipsilateral renal agenesis. The lesion was detected on ultrasound and contrast enhanced CT and confirmed histologically with ultrasound guided biopsy. Serum markers i.e., CA19-9 and CA125 were elevated, while PSA and CEA were within normal limits. Such a constellation of markers strengthened the diagnosis. Our patient unfortunately presented very late in the course of the disease, we decided to initiate anti-androgen therapy and best supportive care in a hospice setting. Only early detection seems to be the key factor which may result in improved cure rates for cancer of the seminal vesicles. We also perform a literature search for current concepts related to the diagnosis and clinical management of primary adenocarcinoma of seminal vesicles.

Biography

Aleksandra Czerw is an expert in the field of health economics, organization and management in the protection of health, medical services marketing. He is an Assistant Professor at the Public Health Faculty of the Medical University of Warsaw, Poland. He is the author of numerous developments in the field of the strategic management including strategic analysis in the health protection sector, Member of the regional and local analyses centers. He is also a medicinal product marketing strategies Consultant, author of more than 100 national and international publications, active Member of numerous associations including: Polish Public Health Society, Polish Health Science Society, Polish Pharmaceutical Society, Polish Pharmacoeconomic Society and Polish Economic Society.

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