Hymenal Tags of the Newborn

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Evaluation of female newborn genitalia should always be carried out at pre-discharge visit in hospital nurseries in order to exclude gross malformations, potentially compatible with genetic and/or endocrine syndromes. Being aware of normal inter-individual anatomical variability of external genitalia in female newborns - as well as ethnic-related peculiarities - is important to avoid unnecessary tests, perform a correct evaluation, and reassure parents. This paper provides a small gallery of the most typical possible presentations of hymenal tags in female newborns, as encountered in our pediatric dermatology practice in the last five years. The aim of the paper is to highlight the benignity of this condition, most often autoregressive in the first year of life, in order to prevent neonatologists and general practitioners from prescribing unnecessary tests and allow parental reassurance.

Key words: Hymenal tags; Neonatology; Dermatology

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Abbreviations
HTs: hymenal tags; HPV: human papillomavirus

BRIEF REPORT

Evaluation of female newborn genitalia should always be carried out at pre-discharge visit in hospital nurseries in order to exclude gross malformations, potentially compatible with genetic and/or endocrine syndromes. Being aware of normal inter-individual anatomical variability of external genitalia in female newborns - as well as ethnic-related peculiarities - is important to avoid unnecessary tests, perform a correct evaluation, and reassure parents61.

At birth, hymen may appear annular (with a central or ventrally displaced orifice), septated, or cribriform; other normal hymenal features of the newborn include clefts, intravaginal or external ridges, tags, and periurethral bands61.

Among such normal variants, hymenal tags (HTs) deserve a special mention. HTs may present as sessile or pedunculated elements, protruding from the vaginal ostium for a variable length (as long as some centimeters); they may be pyramidal in shape (ie, progressively tapering from root to tip) or present as thin tubular structures with a bulging extremity; their spatial relationship with small labia also
Figure 1, A-G. Some possible presentations of hymenal tags (HTs) at birth, as encountered in our pediatric dermatology practice in the last five years.

shows a certain grade of variability. Figure 1 resumes some of the aforementioned most typical presentations of HTs, as encountered in our pediatric dermatology practice in the last five years.

Differentials of HTs include human papillomavirus (HPV)-related mucosal proliferation\cite{2}, malignancies, and abuse\cite{3}.

HTs represent a normal feature of external genitalia in female newborns; in most cases, tags show spontaneous involution between birth and the first year of age, due to the physiological regression of hymenal tissue in this period\cite{4}.

HTs require no specific treatment.

CONCLUSIONS AND FINAL REMARKS

HTs in all their variants represent a benign condition, most often autoresolutive in the first year of life. Neonatologists and general practitioners should be able to recognize it promptly and refrain from prescribing unnecessary tests, allowing parental reassurance.

Contributorship Statement

Angela Di Candia wrote the first draft of the manuscript; Valeria Silecchia, Enrico Valerio, Giuseppe Furcolo, Silvia Palatron, Mario Cutrone, and Ramon Grimalt obtained the iconographic documentation and contributed to the critical revision of the manuscript.

REFERENCES

Figures

Figure 1, A-G. Some possible presentations of hymenal tags (HTs) at birth, as encountered in our pediatric dermatology practice in the last five years.