

Quiz

A five years old girl reported to the dermatology clinic because of swelling of both feet. On examination, she had a stunted growth with swollen feet more on left than right, fig (1). Dorsum of the left foot showed a sinus which discharged clear sticky serous fluid on pressure, fig (2). It was noted that the toe nails were hypoplastic. Both hands were also swollen with hypoplastic finger nails, (fig 3). The mother mentioned that the nails were slow in their growth. The child also had a short webbed neck, fig (4). The condition was observed since birth. The child has normal intelligence - mother and father are first relatives and no other member of the family is similarly affected.

What is your diagnosis ?

Answer :

The child has Turner syndrome. The most common sex chromosome abnormality ($45, X, 0$) with an incidence of 11.8 in every 100,000 live female births. The syndrome is characterized by short webbed neck with wide spread cutaneous laxity, low set ears, ptosis and epicanthal folds. There is lymphoedema of both hands and feet with hypoplastic nails. Other lymphatic malformation may lead to ascites and pleural effusion. Such children have stunted growth with gonadal dysgenesis and sexual immaturity and no secondary sex characters. The ovaries are formed of stroma and affected women are sterile. The syndrome may be associated with hearing loss, renal or cardiovascular anomalies, increased risk to type I Diabetes Mellitus and increased risk of endometrial cancer and gonadal malignancy. The neck may show cystic hydroma which is a congenital abnormality of the back of the neck and is usually a fatal manifestation.



Fig 2. Sinus on dorsum of left foot discharging serous fluid



Fig 3. Swollen hands with hypoplastic nails



Fig 1 : Swollen left foot with hypoplastic toes



Fig 4. Short webbed neck

THE GULF JOURNAL OF DERMATOLOGY & VENERELOGY

NOTES FOR CONTRIBUTORS



The Gulf Journal Of Dermatology and Venereology is published biannually by The League Of Dermatologists in the G.C.C. States, and will accept original articles on different fields of Dermatology, STD's and Andrology.

Manuscripts

- * Should be addressed to the Editor, Dr. Hassan Al Abdulla, P.O. Box 3050, Hamad Medical Corporation, Doha, Qatar. Fax: (+974) 393058
- * Two copies of all elements of the paper are requested All the matter should be typed, double-spaced with wide margins, on one side of each sheet only.
- * The paper should have the following arrangement: 1. Title page; 2. Abstracts; 3. Text; 4. References; 5. Legends; 6. Tables; 7. Figures and 8. Arabic summary of the abstract and title if possible. Title page should bear the author(s) name(s), degrees, affiliation(s), and the address to which reprints are to be sent.

Tables and Figures

- * Refer to figures as Fig. and give Arabic numeral.
- * Submit 2 copies of each photograph and drawing on glossy paper of good quality.
- * Use black ink for charts (line drawings).
- * Identify figures on back by author's name and number of figure.
- * Start tables at top of new page.

References

- * All references in text must be identified by superscript Arabic numerals in the order in which they appear in the manuscript. When referring to a reference, type the last name of the author followed by its reference number. If referring to two authors, use both Last names, otherwise type the last name of first author followed by "et al".
- * In Reference page, list the references in order of appearance in the manuscript. When referring to a periodical type last name followed by initials, title of paper, periodical name abbreviated as in the original one, year of publication, volume, pages. Type all authors if 3 or less, otherwise type the first 3 authors followed by "et al.". e.g. Breathnach AS, Wyllie LM. Electron microscopy of melanocytes and melanosomes in freckled human epidermis. *J Invest Dermatol* 1964;42:389-394. When referring to books, type name of author(s) (as above), title, edition, place, publisher, year, page referring to. e.g Mckusick VA. Mendelian inheritance in man. 7th Ed. Baltimore: John Hopkins University, 1986: 1228. If the book has contributors, type the name of author(s), title, in: e&ors, title of book, place, publisher, year, page referred to e.g. Vickers CF. Topical corticosteroids. In: Fitzpatrick TB, Eisen AZ, Wolff K, et al. eds. *Dermatology in general medicine*. New York: McGraw-Hill, 1987: 2540-2545.
- * If manuscripts are prepared on IBM PC or compatible computer using word for windows, a 3-1/2 or 5-1/4 inch diskette copy of the article will be appreciated by the publisher.