Reviewer’s report

Title: Penoscrotal edema: A case report and literature review

Version: 1 Date: 05 Sep 2018

Reviewer: Piotr Bryniarski

Reviewer's report:

I read the paper entitled „Scrotal edema: A case report and literature review“ by Tian Lin et al. with great interest and find this study important for urologists as scrotal oedema is quite rare and demanding entity. I have several minor concerns which I would like to share with authors.

1. Authors wrote that scrotal neck is most suitable source of reconstruction with flaps, however very often the whole scrotum is involved and require excision. I would recommend the authors to write that other skin parts may be of use like posterior scrotal flaps, superiorly based flap of the pubic area for testicular coverage, and split-skin graft to the penis.

2. Authors wrote: "Lower limb lymphoscintigraphy confirmed the presence of slow lymphatic reflux in the lower extremities and both the inguinal and iliac lymph nodes" - I would like the authors to focus on this issue. I understand that there has to be a lymph vessel rupture due to the presence of lymphangioma where lymph spreads into surrounding structures causing oedema. I would recommend to add scans of lymphoscintigraphy showing lymphatic leakage and dermal backflow. The other question is the reflux to iliac lymph nodes - as I understand correctly lymphangiomas must be even higher than iliac lymph nodes to cause reflux there. As abovementioned scan of lymphoscintigraphy with description would significantly enriched the paper.

3. The authors wrote: "The affected skin and subcutaneous tissues were excised followed by a split-thickness graft to the penis and scrotum" However I cannot see split-thickness grafts in figures. Instead I can see flaps cut in the middle in Y shape. Please indicate with arrows where the grafts were positioned and what was the source of grafts.

4. The authors wrote: "satisfactory sexual (?) and penile function". In 15-year old boy I would recommend to say satisfactory erectile function.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes
**Does the work include the necessary controls?**
If not, please specify which controls are required in your comments to the authors.

Unable to assess

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