

Reviewer#1:

Specific Comments To Authors: the language could be refined better

Reply: The English grammar had heavy revisions.

Reviewer#2:

Specific Comments To Authors: 1. The study is a valuable case series, but I see the CONSORT items are not fully applied. Some items are not properly done into the paper. Please recheck the CONSORT and apply all the items entirely.

Reply: I have rechecked the CONSORT and apply all the items entirely.

2. Please add to the limitations the lack of randomization and the retrospective nature of the study.

Reply: Retrospective studies are subject to selective bias and recall bias, are inconsistent, and the definition of symptoms and diseases may change. The clinical retrospective study is summarized and designed on the basis of the existing case data. The integrity and accuracy of case data are not controlled by the experimental design, and confounding factors and bias are inevitable. Therefore, only clever statistical methods can be used to avoid or minimize the influence.

3. Also please explain the lack of any control groups.

Reply: The prerequisite for appropriate control is the basis for comparison between the control group and the experimental group. Due to the insufficient sample size of the control group, this study adopted the method of self before and after control.

4. Please explain the sample size calculation method and parameters. Why 30 patients and not 35 or 40 for example? Explain in detail.

Reply: 2.5Calculation of sample size

In this experiment, Pg/OLP was used as the main analysis index, and the hypothesis test of the population mean of the two groups was used. According to the results of published literature, $\alpha=0.05$ (bilateral test), the degree of

assurance $=1-\beta=0.8$ were selected, and the sample sizes of the experimental group and the control group were equal. The following formula was used:

$$n = \frac{(Z_{1-\alpha/2} + Z_{1-\beta}) \times (\sigma_1^2 + \sigma_2^2)}{\delta^2}$$

In the formula: $Z_{1-\alpha/2}=1.96$, $Z_{1-\beta}=0.84$, $\sigma_1^2=3.25$, $\sigma_2^2=4.53$, $\delta=72.55-75.68$

Pg/OLP was used to calculate 25 patients in each group. Considering that the shedding rate is 10%, 28 cases are required for the experimental group and control group, which can ensure the scientific design of the study. Considering the actual number of patients who had completed clinical work and met the inclusion criteria, 30 patients were finally selected

5. All of such items like above are already in the CONSORT checklist. Currently, the CONSORT items are not really applied properly. Please read it again and carefully apply its items.

Reply: I have read it again and carefully apply its items.

6. Since this is a case series, you should also apply the CARE checklist for case reports. Please apply all CARE items and attach the filled out CARE checklist with the revision.

Reply: I have apply the CARE checklist for case reports

7. The English grammar needs heavy revisions.

Reply: The English grammar had heavy revisions.

8. Figures 3 and 4 had low quality. They need to be upgraded to publication quality. Currently, it is visible that they are screenshots from Word text boxes.

Reply: Figures 3 and 4 have been redone to improve their quality(now figures 4 and 5).Figure 2 reuploads the higher-quality image, and Figure 3 shows the supplementary image.

9. Figures 3 and 4 are also difficult to understand. Please explain them fully in their legends.

Reply: Figures 3 and 4 have been reexplained in detail