Supplementary Online Content


**eMaterial.** New Butterfly Graft Survey

**eFigure.** Photograph of the Most Noticeable Butterfly Graft

This supplementary material has been provided by the authors to give readers additional information about their work.
**eMaterial. New Butterfly Graft Survey**

**Title:** Analysis of Post-operative Photos with and without the Modified Butterfly Graft used to Treat Nasal Obstruction

**Introduction:** The butterfly graft is an ear cartilage graft that is sometimes used in rhinoplasty to treat nasal obstruction. The graft was first described in 2002 by Dr. Ted Cook at OHSU. Dr. Tom Wang has made modifications to the graft that decrease its visibility while maintaining function. The butterfly graft has been previously criticized for its visibility, creating a change in the appearance of the nose. Below is an illustration of the nose with the butterfly graft in place (arrow pointing at graft).

![Illustration of nose with butterfly graft](image)

We would appreciate your input. You will be presented pictures of patients who have undergone rhinoplasty either with or without the butterfly graft used. Pictures will be shown from three views (frontal, oblique, side.) You will be asked to decide if based on the picture, you think the patient did or did not have a butterfly graft used during rhinoplasty.

Thank you for participating in this research study. The time estimated to complete this survey is 5 minutes.

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1. What is your age?
   a. <20 years old
   b. 20-40
   c. 41-60
   d. >60

2. What is your gender?
   a. Male
b. Female

3. What is your occupation?
   a. Unemployed
   b. Retired
   c. Student
   d. Medical/Dental/Allied Health Profession
   e. Business
   f. Legal
   g. Education
   h. Other

4. Have you ever heard of the butterfly graft before?
   a. Yes
   b. No

5. Based on the photos below, do you think this patient had a butterfly graft?
   a. Yes
   b. No
   c. Undecided

6. Based on the photos below, do you think this patient had a butterfly graft?
a. Yes
b. No
c. Undecided

7. Based on the photos below, do you think this patient had a butterfly graft?

a. Yes
b. No
c. Undecided

8. Based on the photos below, do you think this patient had a butterfly graft?
9. Based on the photos below, do you think this patient had a butterfly graft?

   a. Yes
   b. No
   c. Undecided

10. Based on the photos below, do you think this patient had a butterfly graft?
11. Based on the photos below, do you think this patient had a butterfly graft?

a. Yes  
b. No  
c. Undecided

12. Based on the photos below, do you think this patient had a butterfly graft?

a. Yes  
b. No  
c. Undecided
a. Yes
b. No
c. Undecided

13. Based on the photos below, do you think this patient had a butterfly graft?

a. Yes
b. No
c. Undecided

14. Based on the photos below, do you think this patient had a butterfly graft?

a. Yes
b. No  
c. Undecided

15. Based on the photos below, do you think this patient had a butterfly graft?

a. Yes  
b. No  
c. Undecided

16. Based on the photos below, do you think this patient had a butterfly graft?

a. Yes  
b. No  
c. Undecided

17. Based on the photos below, do you think this patient had a butterfly graft?
18. Based on the photos below, do you think this patient had a butterfly graft?

a. Yes
b. No
c. Undecided

19. Based on the photos below, do you think this patient had a butterfly graft?

a. Yes
b. No
c. Undecided
20. Based on the photos below, do you think this patient had a butterfly graft?

a. Yes  
b. No  
c. Undecided

21. Based on the photos below, do you think this patient had a butterfly graft?

a. Yes  
b. No  
c. Undecided
22. Based on the photos below, do you think this patient had a butterfly graft?

a. Yes
b. No
c. Undecided

23. Based on the photos below, do you think this patient had a butterfly graft?

a. Yes
b. No
c. Undecided
eFigure. Photograph of the Most Noticeable Butterfly Graft

The butterfly in the photo was correctly identified on 91% of survey responses.