

NOVA: Iceman Murder Mystery

<http://www.pbs.org/wgbh/nova/ancient/iceman-murder-mystery.html>

1. Why are these mummified human remains named Otzi?
2. When were these mummified human remains discovered?
3. What items were found with Otzi?
4. Based on carbon dating, when did Otzi die?
5. What are two risks to letting Otzi's body defrost?
6. What materials is Otzi's shoe made of?
7. What weapons did Otzi carry with him on his journey?
8. Why is the material composition of the ax so significant?
9. What surprising development did the CT scan reveal about the possible cause of Otzi's death?
10. What have we learned about Otzi's age, height and occupation since his discovery?
11. Why does Dr. Eduard Egarter Vigl have a dilemma when he is asked for permission to make a new incision to reach the Stone Age arrowhead lodged in Otzi's shoulder?

12. What does the pollen from different trees at different elevations still located in his intestines tell us about Otzi's movements before his death?

13. What is the meaning of the deep cut across Otzi's right palm?

14. What are the contents of Otzi's stomach? What was his last meal?

15. How many samples did the scientists recover from Otzi?

16. What is the first step to isolating Otzi's DNA?

17. What is the biggest issue in analyzing ancient DNA?

18. What did Dr. Harkins' team discover when they tested Otzi's DNA?

The Science Team:

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