

Ötzi

The body in the ice: Ötzi

Oldest body in the world

Helmut & Erika Simon
found a body in the
Alps while hiking in 1991



The Alps

The body in the ice: Ötzi

Warming climate



Melting ice
and snow



Body became
partially exposed

Ötzi preserved in ice

Ötzi

Presumed to be a
20th century hiker

Dated 3000 BC



5000 years old



Ötzi's body

Ötzi

Many possessions
were also preserved



Axe



Ötzi's axe

Ötzi

Many possessions
were also preserved



Axe



Clothes



Ötzi's
hide coat



Ötzi's
leggings

Ötzi

Many possessions
were also preserved



Axe



Clothes



Dagger



Ötzi's dagger

Ötzi

Injured

Thought to be in
Austrian territory

Actually in Italian territory



**Flint arrowhead in
Ötzi's left shoulder**

Ötzi

Injured

Thought to be in
Austrian territory

Actually in Italian territory

Now in Bolzano, Italy



Summary

- 1 Techniques used to determine time of death
- 2 *Rigor Mortis, Algor Mortis & Livor Mortis*
- 3 Circumstantial evidence
- 4 State of putrefaction & forensic entomology
- 5 FUN analysis, bone fluorescence, ^{14}C dating
- 6 Estimates are subject to errors