

## Damaged implant removal Challenges and solutions (Option 1)





### **1** Destroyed coupling mechanism

Insert conical extraction bolt (a) in screw head and try to remove screw

### 2 Broken screw removal procedure

Remove bone around screw with appropriate sized hollow reamer (**b**)

Use extraction tube (**c**) to remove screw shaft

## Learning outcomes



### **Problem 1**

Destroyed hexagonal coupling mechanism of screw head



a

- Identify the function of different instruments to aid screw removal
- Remove screw with destroyed coupling mechanism
- Remove broken screw

## Take-home message

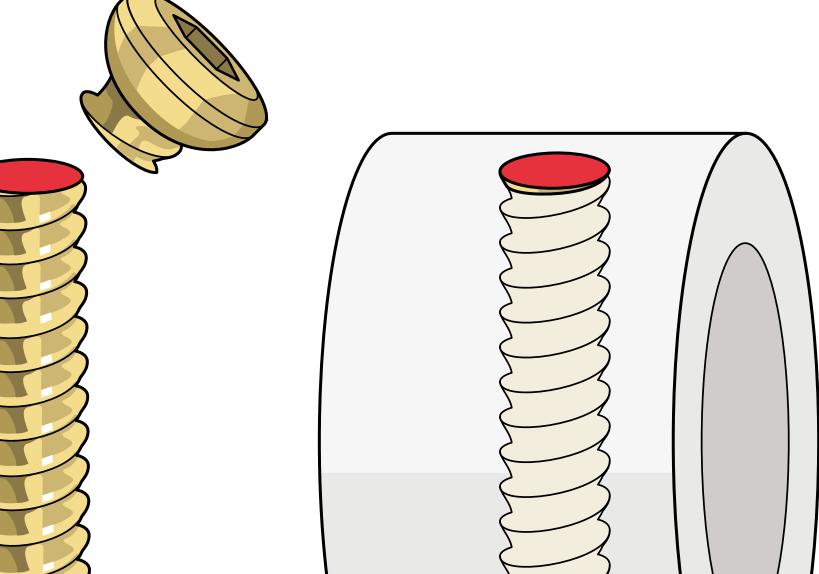
- Use undamaged screw driver
- Clean hexagonal coupling mechanism of screw head
- Everything in the removal set is left threaded



Destroyed

### **Problem 2**

### Broken screw, screw shaft stuck inside bone

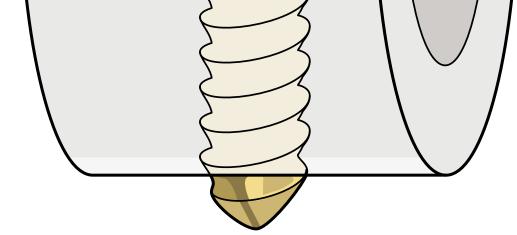






С





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# Damaged implant removal **Challenges and solutions (Option 2)**





# 1 Destroyed coupling mechanism

Insert conical extraction bolt (**a**) in screw head and try to remove screw

# 2 Broken screw removal procedure

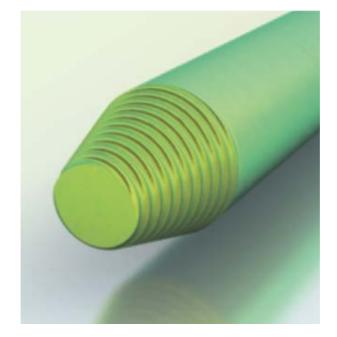
Remove bone around screw with appropriate sized hollow reamer (**b**)

## Learning outcomes

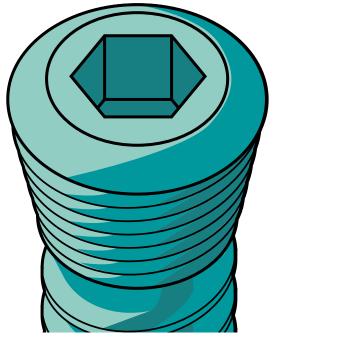
 Identify the function of different instruments to aid screw

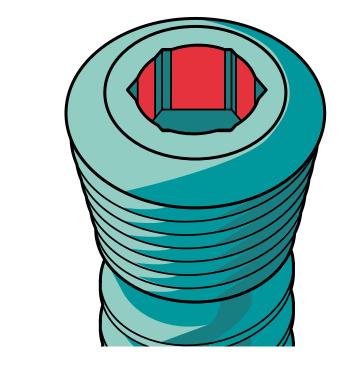
### **Problem 1**

Destroyed hexagonal coupling mechanism of screw head



a





removal

- Remove screw with destroyed coupling mechanism
- Remove broken screw

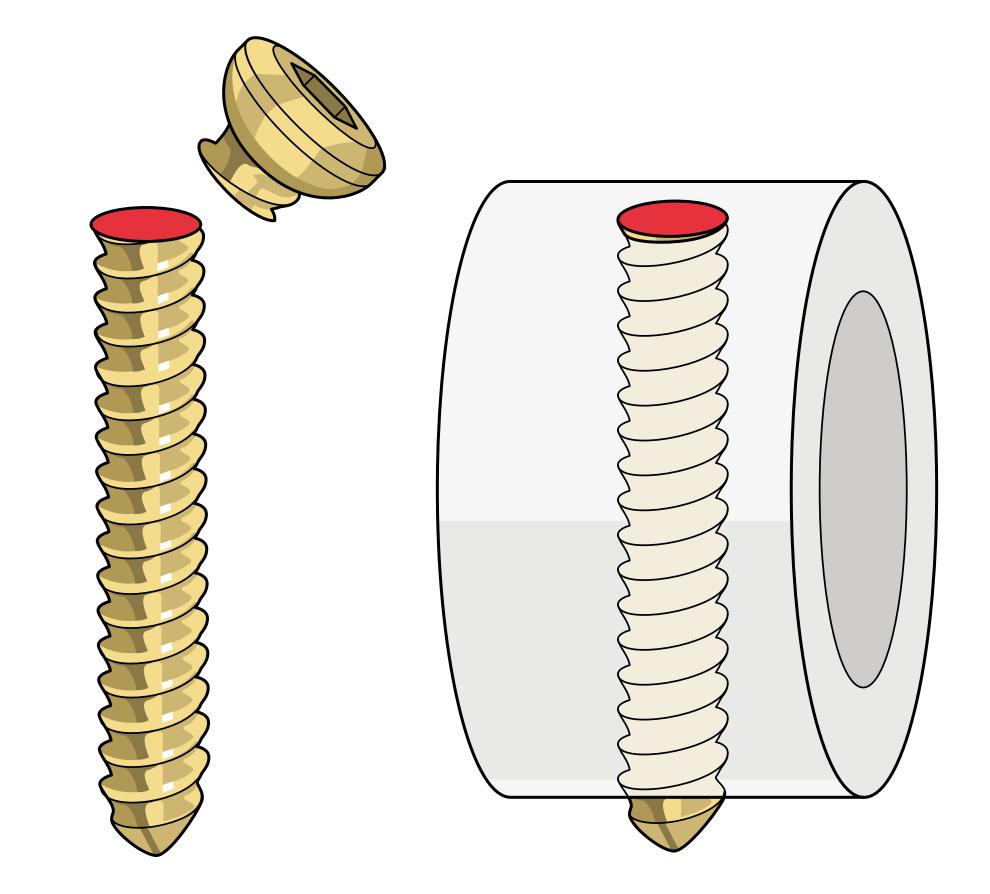
## Take-home message

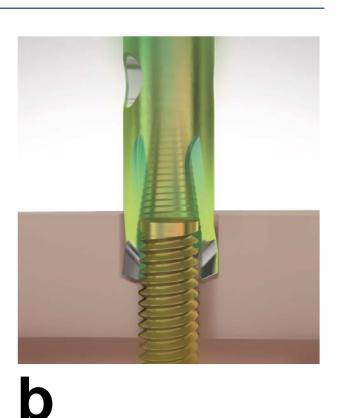
- Use undamaged screw driver
- Clean hexagonal coupling mechanism of screw head
- Do not use a power drill



### **Problem 2**

### Broken screw, screw shaft stuck inside bone





# This option is available in Europe and the Middle East only.

station K2/2 | version 2.2 | 01.11.2019