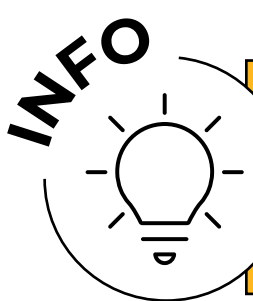




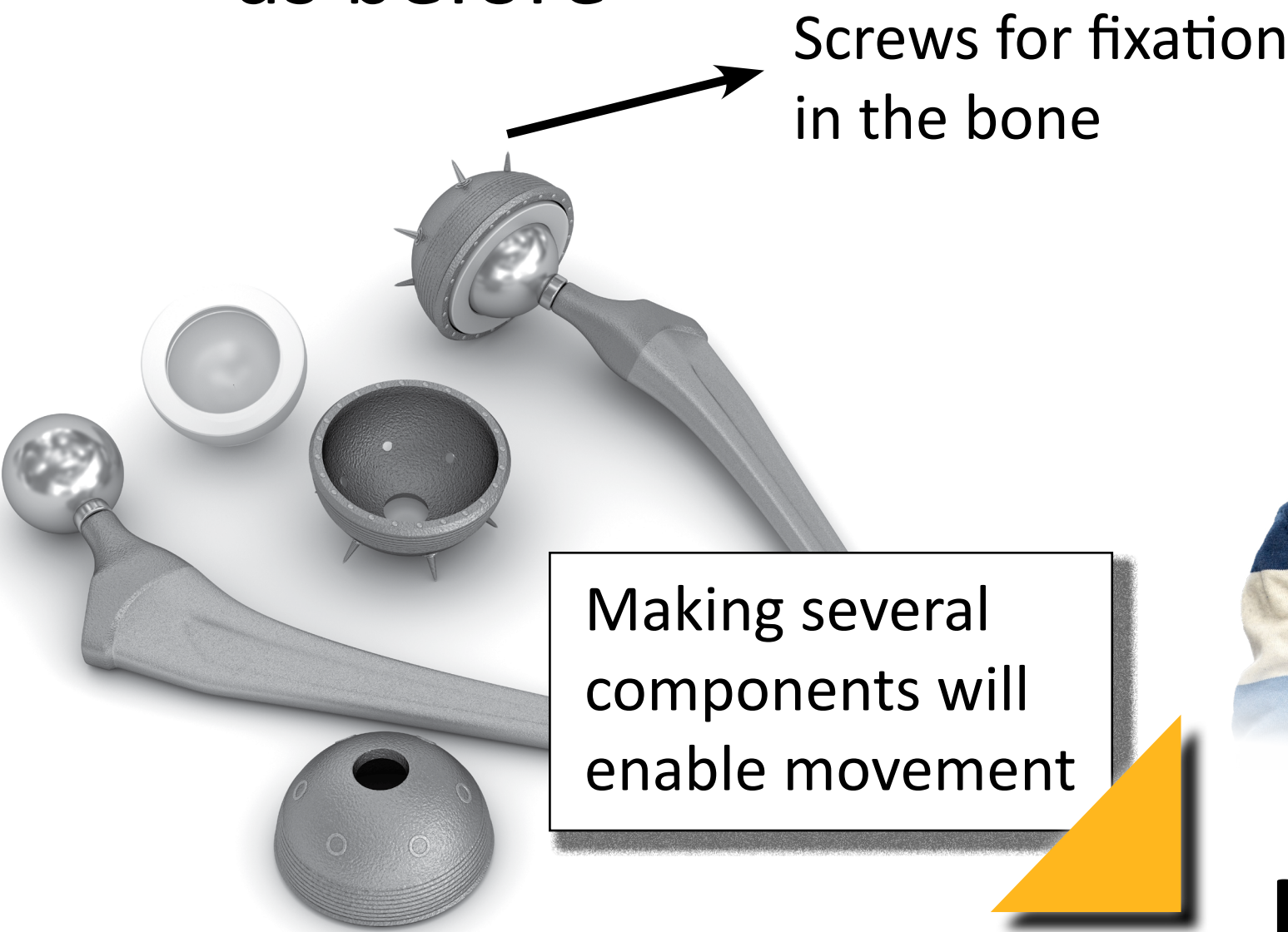
1. It needs to be the same size and shape like the natural hip bone



This is called CAD
(Computer Aided Design)



2. Grandma would love to be able to move her hip as before



Did you say
"screws"?

3. But which materials do we use?

"Bio-medical materials"



... so materials that are used in medical applications, like in or on a human body.

"non-toxic"

... so not to cause any problems when they come into contact with the body

similar to bone

(in this case)

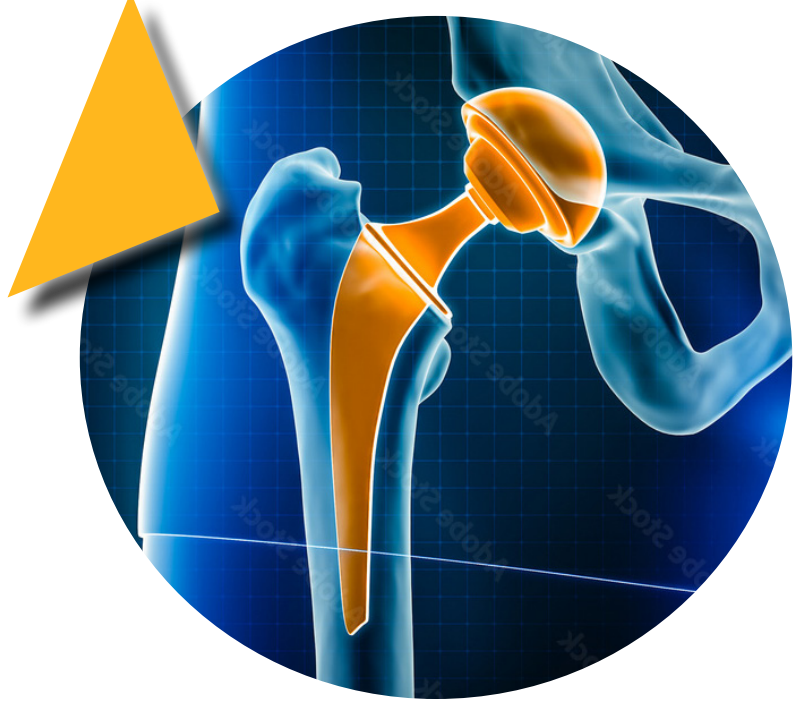
... so able to withstand typical loads and movement, but should also be light

Liner
acting as cushion

Cup
to be screwed into the pelvis

Head
smooth surface for rotation

Stem
to be inserted into the bone



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