CLAIMS

1. Device for guided bone regeneration, intended for the reconstruction of an oral bone defect, composed of zirconium dioxide and having a shape covering said oral bone defect, said device comprising at least one window arranged in the wall thereof and intended for the insertion and condensation of a biomaterial.

2. Device according to claim 1, characterized in that it additionally contains at least one further constituent selected from yttrium oxide, hafnium oxide and aluminum oxide.

3. Device according to any of claims 1 or 2, characterized in that it has a shape selected from a shell, a plate and a net.

4. Device according to any one of the preceding claims, comprising at least one perforation for stabilizing said device, said perforation being intended to receive an osteosynthesis screw.

5. Device according to any of the preceding claims, having a thickness of between 0.6 mm and 1.8 mm.

6. Method of manufacturing a device as defined in any one of claims 1 to 5, comprising a step of constructing said device according to a 3D representation obtained by a dento-maxillary imaging technique of the bone defect.

7. Method according to claim 6, wherein said 3D representation of said bone defect is digitally schematized on software adapted to quantify the bone substance to be regenerated.

8. Method according to any of claims 6 or 7, wherein said medical imaging technique is a Cone Beam Volumetric Tomography technique.

9. Method according to any one of claims 6 to 8, wherein said digital patterning results in a pattern, to which an optional additional layer of 1 mm thickness is added.