Claims

1. Artificial bone, comprising

a bionic bone, a supporting pillar and a three-dimensional (3D) porous scaffold structure;

wherein said supporting pillar and said 3D porous scaffold structure are connected to said bionic bone, and said 3D porous scaffold structure is set to cover said supporting pillar;

wherein said supporting pillar is attachable to an original bone via a coupling end, and wherein the coupling end is covered by said 3D porous scaffold structure.

2. The artificial bone of Claim 1, wherein a shape of a free end of said supporting pillar is changeable according to a patient’s actual situation.

3. The artificial bone of Claim 2, wherein said supporting pillar includes two columns and a prism between the two columns.

4. The artificial bone of Claim 3, wherein a cross section of said prism is rectangular in shape.

5. The artificial bone of Claim 4, wherein a cross sectional area of said prism is smaller than a cross sectional area of said columns.

6. The artificial bone of Claim 1, wherein shape and size of pores of said 3D porous scaffold structure are changeable according to a patient’s actual situation.

7. The artificial bone of any of Claim 1-6, wherein said bionic bone and

said supporting pillar, said 3D porous scaffold structure are an integral structure; or, said supporting pillar and said 3D porous scaffold structure are connected to said bionic bone through screw thread, respectively; or, said supporting pillar and said 3D porous scaffold structure are connected to said bionic bone by sintering, respectively.