CLAIMS

~~What is claimed is:~~

1. A securing mechanism for a space access device, comprising:

a housing comprising a plurality of outwardly projecting members, said housing being configured to engage an outer surface of a space access device, said space access device being configured to be inserted in a biological opening of a subject, said plurality of outwardly projecting members being configured to contact a surface of said opening and apply a pressure to said surface opening less than approximately 10000 kPa when said space access device is inserted in said opening, said plurality of outwardly projecting members providing at least one fluid flow path therethrough when said space access device is disposed in said opening~~a plurality of outwardly projecting members having a plurality of contact points that are configured to contact a surface of an opening or space when disposed on an outer surface of a space access device that is inserted in said opening or space,~~

~~said securing mechanism being configured to apply a pressure to a contact surface within said opening less than approximately 10000 kPa~~.

2. A securing mechanism for a space access device, comprising:

a housing comprising a plurality of outwardly projecting members, said housing being configured to engage an outer surface of a space access device, said space access device comprising an earpiece that is configured to transmit sound, said space access device being configured to be inserted in an ear canal of a subject, said plurality of outwardly projecting members being configured to contact a surface of said ear canal and apply a pressure to said ear canal surface less than approximately 10000 kPa when said space access device is inserted in said opening ear canal, said plurality of outwardly projecting members providing at least one fluid flow path therethrough when said space access device is disposed in said ear canal~~an outwardly projecting member having at least one contact point that is configured to contact a surface of an opening when disposed on an outer surface of a space access device that is inserted in said opening,~~

~~said securing mechanism being configured to apply a pressure to a contact surface within said opening less than approximately 10000 kPa~~.

~~3. A space access device that is configured for insertion in a biological opening, said space access device including a housing and a securing mechanism, said securing mechanism being disposed on at least an outer portion of said housing, said securing mechanism being configured to contact a surface of an opening and secure said space access device in said opening when said device is inserted therein.~~

~~4. The space access device of Claim 3, wherein said securing mechanism includes at least one fluid flow path therethrough.~~

~~5. The space access device of Claim 3, wherein said securing mechanism includes at least one outwardly projecting member having a contact point that is configured to contact a surface of said opening when said space access device is inserted in said opening.~~

~~6.~~3. The space access device of Claim ~~5~~1, wherein at least one of said plurality of outwardly projecting members comprises a pharmacological agent coating, said pharmacological agent coating being disposed on an outer surface of said at least one of said outwardly projecting members, said pharmacological agent coating comprising an anti-inflammatory composition~~said securing mechanism includes at least one fluid flow path through said securing mechanism and said contact surface~~.

~~7. The space access device of Claim 3, wherein said securing mechanism includes a plurality of outwardly projecting members having a plurality of contact points that are configured to contact a surface of said opening when said space access device is inserted in said opening.~~

~~8. The space access device of Claim 7, wherein said securing mechanism applies a pressure to said opening contact surface less than approximately 10000 kPa.~~

~~9. The space access device of Claim 7, wherein said securing mechanism applies a pressure to said opening contact surface in the range of approximately 0.01 kPa - 10 kPa.~~

~~10. The space access device of Claim 3, wherein said space access device comprises an anatomical space access device.~~

~~11. The space access device of Claim 3, wherein said space access device comprises an in-ear head set.~~

~~12. The space access device of Claim 3, wherein said space access device comprises a hearing instrument.~~