CLAIMS

1. Use of a medically acceptable fucan composition in the manufacture of a medicament for treating a fibrous capsule formation in a patient at a site of an implant on or within the patient.

2. Use of a medically acceptable fucan composition in the manufacture of a medicament for treating a foreign body response in a patient at a site of an implant on or within the patient.

3. Use of a medically acceptable fucan composition in the manufacture of a medicament for treating a capsular contracture in a patient at a site of an implant on or within the patient.

4. Use of a medically acceptable fucan composition in the manufacture of a medicament for treating a biofilm infection in a patient at a site of an implant on or within the patient.

5. The use of any of claims 1 to 4, wherein the implant is composed of at least one of a non-synthetic, biologic, naturally derived and synthetic material.

6. The use of any of claims 1 to 5, wherein the implant comprises at least one of a bone plate, fracture fixation device, hip prostheses, knee prostheses, shoulder prostheses, ankle prostheses, elbow prostheses, artificial ligament, artificial tendon, cellular therapy, gene therapy, pacemaker encapsulation, catheter, stent, artificial heart valve, artificial artery, drug reservoir device for sustained release, diabetes monitor, insulin pump, skin repair device, breast implant, cochlear replacement, ocular lens, vascular graft, nerve conduit, surgical mesh, organ, tissue and cell.

7. The use of any one of claims 1 to 6, wherein the implant is composed of at least one of: autograft, allograft, fibrin, poly(lactic acid), poly(lactic-co-glycolic acid), alginate, carrageenan, hyaluronan, heparin, synthetic polyurethane, polyester, silicone, aluminium, steel, titanium, cobalt, chromium, nickel, gold, silver, platinum, metal alloy, calcium phosphate, hydroxyapatite, inorganic salt derivatives, alumina, zirconia, bioactive glass, porcelain, carbon, cyclic olefin copolymer, polycarbonate, polyetherimide, polyvinylchloride, polyethersulfone, polyethylene, polytetrafluoroethylene, polyetheretherketone,

polypropylene, silicone, hydrogel, cellulose, starch, protein, peptide, DNA, RNA, collagen, gelatin, silk, chitin, chitosan, glucose, heart valve, blood vessel and liver tissue.

8. The use of any one of claims 1 to 7, wherein at least one surface of the implant is to be coated with a therapeutically effective amount of the medically acceptable fucan composition before the implant is delivered to the patient.

9. The use of any one of claims 1 to 7, wherein at least one surface of the implant is to be coated with a therapeutically effective amount of the medically acceptable fucan composition after the implant is delivered to the patient.

10. The use of any one of claims 1 to 7, wherein a therapeutically effective amount of the medically acceptable fucan composition is to be embedded within the implant before the implant is delivered to the patient.

11. The use of any one of claims 1 to 7, wherein a therapeutically effective amount of the medically acceptable fucan composition is to be embedded within the implant after the implant is delivered to the patient.

12. The use of any one of claims 1 to 7, wherein a therapeutically effective amount of the medically acceptable fucan composition is to be co-administered with the implant.

13. The use of any one of claims 1 to 7, wherein a therapeutically effective amount of the medically acceptable fucan composition is to be administered before the implant is delivered to the patient.

14. The use of any one of claims 1 to 7, wherein a therapeutically effective amount of the medically acceptable fucan composition is to be administered after the implant is delivered to the patient.

15. The use of any of claims 12 to 14 wherein the administration occurs at the site of the implant.

16. A composition comprising an implant and a medically acceptable fucan composition.

17. The composition of claim 16 wherein the medically acceptable fucan composition is configured for treating a fibrous capsule formation around the implant.

18. The composition of claim 16 wherein the medically acceptable fucan composition is configured for treating a foreign body response around the implant.

19. The composition of claim 16 wherein the medically acceptable fucan composition is configured for treating a capsular contracture around the implant.

20. The composition of claim 16 wherein the medically acceptable fucan composition is configured for treating a biofilm infection around the implant.