

WHAT IS CLAIMED IS:

1. A lipid binding protein-based complex for use in a method of treating an acute condition, wherein the method comprises administering a high dose of the lipid binding protein-based complex to a subject in need thereof, optionally wherein the acute condition comprises acute inflammation.

2. The lipid binding protein-based complex for use according to claim 1, wherein in the method, the high dose is administered over a period of three days to approximately two weeks, optionally wherein the high dose is administered over a period of three days, four days, five days, six days, seven days, eight days, nine days, 10 days, eleven days, 12 days, 13 days, 14 days or 15 days.

3. The lipid binding protein-based complex for use according to claim 1 or claim 2, wherein the high dose is the aggregate of two to ten individual doses, optionally wherein the high dose is an aggregate of three, four, five, six, seven, eight, nine or 10 individual doses.

4. The lipid binding protein-based complex for use according to claim 3, wherein in the method a plurality of individual doses are administered daily or twice daily.

5. The lipid binding protein-based complex for use according to claim 3 or claim 4, wherein in the method a plurality of individual doses are administered two to three days apart.

6. The lipid binding protein-based complex for use according to any one of claims 3 to 5, wherein each individual dose is effective to increase the subject's HDL levels.

7. The lipid binding protein-based complex for use according to any one of claims 3 to 6, wherein each individual dose is effective to increase the subject's ApoA-I levels.

8. The lipid binding protein-based complex for use according to any one of claims 1 to 7, wherein the high dose is effective to improve the subject's vascular endothelial function, optionally wherein vascular endothelial function is measured by circulating VCAM-1 and/or ICAM-1.

9. The lipid binding protein-based complex for use according to any one of claims 1 to 8, wherein the high dose is effective to reduce serum levels of one or more inflammatory markers in the subject.

10. The lipid binding protein-based complex for use according to any one of claims 1 to 9, wherein the subject has CRS or is at risk of CRS.

11. The lipid binding protein-based complex for use according to claim 10, wherein the subject is at risk of CRS.
12. The lipid binding protein-based complex for use according to claim 11, wherein the subject is at risk of CRS due to an infection.
13. The lipid binding protein-based complex for use according to claim 12, wherein the infection is a viral infection.
14. The lipid binding protein-based complex for use according to claim 13, wherein the viral infection is a coronavirus infection.
15. The lipid binding protein-based complex for use according to claim 14, wherein the coronavirus is COVID-19.
16. The lipid binding protein-based complex for use according to any one of claims 1 to 9, wherein the subject has or is at risk of developing sepsis.
17. The lipid binding protein-based complex for use according to claim 16, wherein the high dose is effective to reduce the severity of the sepsis.
18. The lipid binding protein-based complex for use according to any one of claims 1 to 17, wherein the high dose is effective to reduce the likelihood that the subject will develop acute kidney injury (AKI).
19. The lipid binding protein-based complex for use according to any one of claims 1 to 18, wherein the high dose is effective to delay the onset of AKI.
20. The lipid binding protein-based complex for use according to any one of claims 1 to 18, wherein the high dose is effective to prevent AKI.
21. The lipid binding protein-based complex for use according to any one of claims 1 to 17, wherein the subject has or is at risk of developing acute kidney injury (AKI).
22. The lipid binding protein-based complex for use according to claim 21, wherein the AKI is sepsis-related AKI.
23. The lipid binding protein-based complex for use according to claim 21, wherein the AKI is ischemia/reperfusion AKI.
24. The lipid binding protein-based complex for use according to claim 21, wherein the AKI is cardiac surgery-associated (CSA) AKI.

25. The lipid binding protein-based complex for use according to claim 21, wherein the AKI is hepatorenal syndrome (HRS) AKI.
26. The lipid binding protein-based complex for use according to any one of claims 21 to 25, wherein the subject has AKI.
27. The lipid binding protein-based complex for use according to claim 26, wherein the high dose is effective to reduce the severity of the AKI.
28. The lipid binding protein-based complex for use according to any one of claims 21 to 25, wherein the subject is at risk for AKI.
29. The lipid binding protein-based complex for use according to claim 28, wherein the high dose is effective to reduce the likelihood that the subject will develop AKI.
30. The lipid binding protein-based complex for use according to claim 28 or claim 29, wherein the high dose is effective to delay the onset of AKI.
31. The lipid binding protein-based complex for use according to claim 28 or claim 29, wherein the high dose is effective to prevent AKI.
32. The lipid binding protein-based complex for use according to any one of claims 28 to 30, wherein if the subject develops AKI, the high dose is effective to reduce the severity of the AKI.
33. The lipid binding protein-based complex for use according to any one of claims 1 to 32, wherein the lipid binding protein-based complex is a reconstituted HDL or HDL mimetic.
34. The lipid binding protein-based complex for use according to any one of claims 1 to 32, wherein the lipid binding protein-based complex is an Apomer or a Cargomer.
35. The lipid binding protein-based complex for use according to any one of claims 1 to 34, wherein the lipid binding protein-based complex comprises a sphingomyelin.
36. The lipid binding protein-based complex for use according to any one of claims 1 to 35, wherein the lipid binding protein-based complex comprises a negatively charged lipid.
37. The lipid binding protein-based complex for use according to claim 36, wherein the negatively charged lipid is 1,2-dipalmitoyl-sn-glycero-3-[phospho-rac-(1-glycerol)] (DPPG) or a salt thereof.

38. The lipid binding protein-based complex for use according to claim 33, wherein the lipid binding protein-based complex is CER-001, CSL-111, CSL-112, CER-522 or ETC-216.

39. The lipid binding protein-based complex for use according to claim 38, wherein the lipid binding protein-based complex is CER-001.

40. The lipid binding protein-based complex for use according to any one of claims 1 to 39, wherein in the method the lipid binding protein-based complex is administered systemically, optionally by infusion.

41. The lipid binding protein-based complex for use according to any one of claims 1 to 40, wherein each individual dose of the lipid binding protein-based complex administered is 4-40 mg/kg (on a protein weight basis).

42. The lipid binding protein-based complex for use according to any one of claims 1 to 41, wherein in the method the high dose is administered according to an induction regimen, optionally followed by a consolidation regimen.

43. The lipid binding protein-based complex for use according to claim 42, wherein the induction regimen comprises administering the lipid binding protein-based complex once daily or twice daily.

44. The lipid binding protein-based complex for use according to claim 42 or claim 43, wherein the consolidation regimen comprises administering the lipid binding protein-based complex once daily or once every two days.

45. The lipid binding protein-based complex for use according to any one of claims 1 to 44, wherein the subject is not treated with a maintenance regimen in the method.

46. The lipid binding protein-based complex for use according to any one of claims claim 42 to 45, wherein the consolidation regimen comprises administering one or more doses of the lipid binding protein-based complex to the subject one or more days after administration of the final dose of the induction regimen.

47. The lipid binding protein-based complex for use according to any one of claims 42 to 46, wherein the method comprises an induction regimen comprising twice daily administration of the lipid binding protein-based complex on days 1, 2, and 3 and a consolidation regimen comprising two doses of the lipid binding protein-based complex on day 6.

48. The lipid binding protein-based complex for use according to any one of claims 42 to 47, wherein each individual dose of the lipid binding protein-based complex administered in the induction regimen is 4-40 mg/kg (on a protein weight basis).

49. The lipid binding protein-based complex for use according to any one of claims 42 to 48, wherein the dose of the lipid binding protein-based complex administered in the consolidation regimen is 5 to 15 mg/kg (on a protein weight basis).

50. The lipid binding protein-based complex for use according to any one of claims 42 to 48, wherein the dose of the lipid binding protein-based complex administered in the consolidation regimen is 15 to 25 mg/kg (on a protein weight basis).

51. The lipid binding protein-based complex for use according to any one of claims 1 to 50, wherein the method further comprises administering an antihistamine to the subject prior to each individual dose.

52. The lipid binding protein-based complex for use according to of any one of claims 1 to 51, wherein the subject is receiving or has received one or more additional therapies and/or wherein the method further comprises administering to the subject one or more additional therapies.