Claims

What is claimed is:

1. A slurry for use in the induction of cryolipolysis in a subject:

wherein the slurry is injected into the subject at a treatment site selected from the group consisting of (i) a deep subcutaneous fat layer, (ii) a superficial subcutaneous fat layer, and (iii) the deep subcutaneous fat layer and the superficial subcutaneous fat layer; thereby inducing cryolipolysis in the selected treatment site by the slurry.

2. The slurry for use according to claim 1, wherein the slurry is injected into

(i) the deep subcutaneous fat layer only,

(ii) the superficial subcutaneous fat layer only,

(iii) the deep subcutaneous fat layer followed by the superficial subcutaneous fat layer,

(iv) the superficial subcutaneous fat layer followed by the deep subcutaneous fat layer, or

(v) the deep subcutaneous fat layer and the superficial subcutaneous fat layer simultaneously.

3. The slurry for use according toclaim 1, wherein the slurry is injected into the deep subcutaneous fat layer only.

4. The slurry for use according to claim 1, wherein the treatment site comprises a plurality of injection sites.

5. The slurry for use according to claim 4, wherein the plurality of injection sites form a pattern.

6. The slurry for use according to claim 5, wherein the pattern is a plow pattern, a grid pattern, a fan pattern, a single bolus injection, or a multiple bolus injection.

7. The slurry for use according to claim 4, wherein 2L or less of slurry is injected per injection site.

8. The slurry for use according to claim 1, wherein a cannula is used to inject the slurry.

9. The slurry for use according to claim 8, wherein the cannula comprises a needle comprising a gauge size of about 8G to about 25G.

10. The slurry for use according to claim 9, wherein the needle comprises a fenestrated needle.

11. The slurry for use according to claim 1, wherein the method further comprises tightening of tissue of the subject.

12. The slurry for use according to claim 1, wherein the method further comprises disrupting fibrous tissue within the treatment site or sites.

13. The slurry for use according to claim 12, wherein the method comprises inducing cryolipolysis in a plurality of sublayers and/or compartments within the selected treatment site by the slurry.

14. The slurry for use according to claim 1, wherein the method comprises inducing cryolipolysis in one or more sublayers and/or compartments within the selected treatment site by the slurry.

15. The slurry for use according to claim 1, wherein the method further comprises treatment of a metabolic dysfunction, insulin resistance, type II diabetes, or systemic inflammation or inflammatory disorders.

16. The slurry for use according to claim 1, wherein the method treats excess fat, obesity, and loose skin.

17. The slurry for use according to claim 1, wherein the method treats lipedema,

lipodystrophy, decrum's disease, lymphedema, lipomatosis, familial multiple lipomatosis, Proteus syndrome, Cowden Syndrome, Modeling disease (benign symmetric lipomatosis), familial angiolipomatosis, lymphatic leakage, de novo adipogenesis, increase in adipocyte cell size, adipocyte proliferation due to excessive leakage of lymphatic including leakage of free fatty acids containing lymph.

18. The slurry for use according to claim 1, wherein the method further comprises administering an anesthetic to the subject prior to injecting the slurry.

19. The slurry for use according to claim 18, wherein the anesthetic is a topical anesthetic.

20. The slurry for use according to claim 1, wherein the method does not comprise administering an anesthetic to the subject prior to injecting the slurry.

21. The slurry for use according to claim 1, wherein the method further comprises applying pressure to the treatment site.

22. The slurry for use according to claim 12, wherein the method further comprises applying pressure to the treatment site.

23. The slurry for use according to claim 1, wherein the slurry has a temperature of about -25°C to about 10°C.

24. The slurry for use according to claim 1, wherein the slurry comprises ice particles.

25. The slurry for use according to claim 24, wherein a percentage of ice particles in the slurry comprises about 2% to about 70%.

26. The slurry for use according to claim 1, wherein the method further comprises active warming of a treatment site that was not selected.

27. The slurry for use according to claim 26, wherein active warming is carried out with a heating source, infrared radiation, radiofrequency, or combination thereof.

28. The slurry of claim 24, wherein the slurry further comprises liquid water and one or more additives.

29. The slurry of claim 24, wherein the one or more additives comprise one or more of a salt, sugar and a thickener.

30. The slurry of claim 29, wherein the one or more additives is selected from the group consisting of sodium chloride, glycerol, glycerin, polyethylene glycol, dextrose, xanthan gum, and sodium carboxymethylcellulose (CMC).

31. The slurry of claim 30, wherein the one or more additives comprise an agent affecting the tonicity.

32. The slurry of claim 31, wherein the agent affecting the tonicity is selected from the group consisting of salts, cations, anions, sugars, and sugar alcohols.

33. The slurry of claim 24, wherein the osmolality of the slurry is less than about 2,200 milli-Osmoles/kilogram.

34. The slurry of claim 24, wherein the osmolality of the slurry is less than about 600 milli-Osmoles/kilogram.