CLAIMS

What is claimed is:

1. A stabilization device for integrated catheters, comprising:

a platform having a skin-facing side and catheter-securing side of the platform;

a pair of catheter fasteners positioned on the catheter-securing side of the platform, the pair of catheter fasteners including a first catheter fastener separated and disconnected from a second catheter fastener, the pair of catheter fasteners configured to secure a hub of an integrated catheter having an extension port; and

a pair of stabilization wings positioned under the platform and extending from a transverse axis of the platform, the pair of stabilization wings configured to mitigate rotation of the integrated catheter about a longitudinal axis thereof when the integrated catheter is secured by the pair of catheter fasteners on the platform and the stabilization device is adhered to a patient.

2. The stabilization device of claim 1, wherein the platform is configured with a degree of flexibility enabling the platform to conform to a contour of the patient at a stabilization site thereof.

3. The stabilization device of either claim 1 or 2, wherein the skin-facing side of the platform has an adhesive thereon configured to adhere to skin of the patient.

4. The stabilization device of claim 1, further comprising a pad of a foam-like material having a skin-facing side and a platform-facing side of the pad, the pad configured with a degree of compressibility enabling the pad to conform to a contour of the patient at a stabilization site thereof.

5. The stabilization device of claim 4, wherein the skin-facing side of the pad has an adhesive thereon configured to adhere to skin of the patient.

6. The stabilization device of any claim of claims 1-5, wherein the separation between the first catheter fastener and the second catheter fastener is configured

~~catheter fasteners are spaced apart from each other~~ to accommodate the extension port of the integrated catheter between the pair of catheter fasteners when the integrated catheter is secured by the pair of catheter fasteners on the platform.

7. The stabilization device of any claim of claims 1-6, wherein the first ~~at least one~~ catheter fastener of the pair of catheter fasteners is a 'C'-shaped clip connected to the catheter-securing side of the platform.

8. The stabilization device of any claim of claims 1-6, wherein ~~at least one~~the first catheter fastener of the pair of catheter fasteners is a clamp having a first jaw connected to the catheter-securing side of the platform and a second jaw connected to the first jaw by a living hinge.

9. The stabilization device of any claim of claims 1-8, wherein the platform includes a plurality of through holes configured to enable moisture between the stabilization device and the patient to escape through the through holes when the stabilization device is adhered to the patient.

10. The stabilization device of any claim of claims 1-9, wherein the transverse axis of the platform is an axis of symmetry of the platform.

11. A stabilization device for integrated catheters, comprising:

a polymer-based platform having a skin-facing side and catheter-securing side of the platform;

a pair of catheter fasteners positioned on the catheter-securing side of the platform, the pair of catheter fasteners including a first catheter fastener separated and disconnected from a second catheter fastener, the pair of catheter fasteners configured to secure a hub of an integrated catheter having an extension port; and

a pair of stabilization wings positioned under the platform and extending from a transverse axis of the platform, the pair of stabilization wings configured to mitigate rotation of the integrated catheter about a longitudinal axis thereof when the integrated catheter is secured by the pair of catheter

fasteners on the platform and the stabilization device is adhered to a patient, the platform having twofold symmetry about the transverse axis of the platform.

12. The stabilization device of claim 11, wherein:

the platform is configured with a degree of flexibility enabling the platform to conform to a contour of the patient at a stabilization site thereof, and

the skin-facing side of the platform has an adhesive thereon configured to adhere to skin of the patient.

13. The stabilization device of claim 11, further comprising a pad of a foam-like material having a skin-facing side and a platform-facing side of the pad, the pad configured with a degree of compressibility enabling the pad to conform to a contour of the patient at a stabilization site thereof, wherein the skin-facing side of the pad has an adhesive thereon configured to adhere to skin of the patient.

14. The stabilization device of any claim of claims 11-13, wherein the separation between the first catheter fastener and the second catheter fastener is configured ~~catheter fasteners are spaced apart from each other~~ to accommodate the extension port of the integrated catheter between the pair of catheter fasteners when the integrated catheter is secured by the pair of catheter fasteners on the platform.

15. The stabilization device of any claim of claims 11-14, wherein:

~~at least one catheter fastener of the pair of catheter fasteners~~the first catheter fastener is a 'C'-shaped clip connected to the catheter-securing side of the platform, and

wherein the 'C'-shaped clip is configured with a degree of flexibility enabling an opening of the 'C'-shaped clip to initially expand when the hub of the integrated catheter is inserted into the opening and subsequently contract when the hub of the integrated catheter is inserted past the opening.

16. The stabilization device of any claim of claims 11-15, wherein:

~~at least one~~the first catheter fastener of the pair of catheter fasteners is a clamp having a first jaw connected to the catheter-securing side of the platform and a second jaw connected to the first jaw by a living hinge, and

wherein the clamp is configured with a snap between the first jaw and the second jaw configured to snap the first and second jaws together after the hub of the integrated catheter is inserted into the clamp.

17. The stabilization device of any claim of claims 11-16, wherein the platform includes a plurality of through holes configured to enable moisture between the stabilization device and the patient to escape through the through holes when the stabilization device is adhered to the patient.

18. A method for stabilizing integrated catheters, comprising:

securing a hub of an integrated catheter in a pair of catheter fasteners positioned on a catheter-securing side of a platform of a stabilization device, the pair of catheter fasteners spaced apart and disconnected from each other to accommodate an extension port of the integrated catheter between the pair of catheter fasteners, wherein the stabilization device comprises a pair of stabilization wings positioned under the platform and extending from a transverse axis of the platform, the pair of stabilization wings configured to mitigate rotation of the integrated catheter about a longitudinal axis thereof when the integrated catheter is secured by the pair of catheter fasteners on the platform and the stabilization device is adhered to a patient;

removing an adhesive backing from a skin-facing side of the stabilization device to expose an adhesive; and

adhering the stabilization device to skin at a stabilization site near a percutaneous insertion site of the~~a~~ patient, thereby stabilizing the integrated catheter and decreasing risk of mechanical phlebitis.

19. The method of claim 18, wherein the step of securing the hub of the integrated catheter in the pair of catheter fasteners includes expanding an opening of at least one

'C'-shaped clip of the pair of catheter fasteners upon inserting the hub into the 'C'-shaped clip and allowing the opening of the 'C'-shaped clip to contract upon inserting the hub past the opening of the of the 'C'-shaped clip.

20. The method of claim 18, wherein the step of securing the hub of the integrated catheter in the pair of catheter fasteners includes enclosing the hub within at least one clamp of the pair of catheter fasteners and snapping the clamp closed around the hub, the clamp having a first jaw connected to the catheter-securing side of the platform and a second jaw connected to the first jaw by a living hinge.