Claims

What is claimed is:

1. A stabilizing device, the stabilizing device comprising:
a base plate;
a carriage;
at least one clamp for receiving one or more medical devices; and
wherein at least one of the base plate and the carriage includes at least one rail.

2. The stabilizing device of claim 1 wherein the at least one clamp is attachable to the at least one rail such that the at least one clamp can slide along the rail but is prevented from detaching from the rail.

3. The stabilizing device of claim 1 wherein the base plate includes the at least one rail, and wherein the carriage is moveably attached to the at least one rail of the base plate and is prohibited from moving away from the base plate by the at least one rail.

4. The stabilizing device of any one of claims 1-3 wherein the at least one rail comprises a plurality of locking teeth for engaging a latch member of at least one of the carriage and the at least one clamp.

5. The stabilizing device of any one of claims 1-3 wherein at least one of a release button, knob, and/or lever is actuatable to enable the carriage and/or the at least one clamp to move laterally along the at least one rail.

6. The stabilizing device of any one of claims 1-5 wherein:
the base plate comprises two mounting rails; and
the carriage comprises fixed and moveable retaining lips for securing the carriage between the two mounting rails.

7. The stabilizing device of any one of claims 1-6 wherein the carriage comprises an adjustment mechanism for moving the at least one clamp laterally along the carriage.

8. The stabilizing device of claim 7 wherein actuating a button, knob, and/or lever of the at least one clamp is configured to disengage the at least one clamp from the adjustment mechanism of the carriage.

9. The stabilizing device of any one of claims 7-8 wherein the adjustment mechanism comprises a worm drive that engages a pin of a traveler for attaching the clamp.

10. The stabilizing device of any one of claims 7-9 wherein the clamp further comprises at least one of release button, knob, and/or lever for disengaging the clamp from the adjustment mechanism.

11. The stabilizing device of any one of claims 1-10 wherein the carriage comprises a first mounting rail and a second mounting rail.

12. The stabilizing device of claim 11 wherein the clamp includes a fixed mounting flange and a movable mounting flange.

13. The stabilizing device of claim 12 wherein the fixed mounting flange and the movable mounting flange are disposable in recesses in the first mounting rail and the second mounting rail.

14. A stabilizing device for holding a medical device, the stabilizing device comprising:
a base plate having at least one rail extending upward;
a carriage moveably attached to the at least one rail of the base plate and is prohibited from moving away from the base plate by the at least one rail; and
a clamp for receiving the medical device, wherein the clamp is moveably attached to the carriage.

15. The stabilizing device of claim 14 wherein the at least one rail of the base plate comprises a plurality of locking teeth for engaging a latch member of the carriage.

16. The stabilizing device of any one of claims 14 and 15 wherein the at least one rail of the base plate is received within a mounting channel of the carriage.

17. The stabilizing device of any one of claims 14-16 wherein depressing a release button of the carriage enables the carriage to move laterally along the at least one rail.

18. The stabilizing device of any one of claims 14-17 wherein depressing the release button of the carriage enables the carriage to be removed from the at least one rail.

19. The stabilizing device of any one of claims 14-18 wherein:
the base plate comprises two mounting rails; and
the carriage comprises fixed and moveable retaining lips for securing the carriage between the two mounting rails.

20. The stabilizing device of any one of claims 14-19 wherein the carriage further comprises an adjustment mechanism for moving the clamp laterally along the carriage.

21. The stabilizing device of claim 20 wherein depressing a release button of the clamp disengages the clamp from the adjustment mechanism of the carriage.

22. The stabilizing device of any one of claims 20-21 wherein the adjustment mechanism comprises a worm drive that engages a pin of a traveler for attaching the clamp.

23. The stabilizing device of any one of claims 20-22 wherein the clamp further comprises a release lever for disengaging the clamp from the adjustment mechanism.

24. The stabilizing device of claim 23 wherein the release lever can be retained in a released condition.

25. The stabilizing device of any one of claims 20-24 wherein the clamp comprises a fixed jaw and a moveable jaw that is biased in a closing direction toward the fixed jaw.

26. The stabilizing device of any one of claims 20-25 wherein the clamp further comprises a free rotate lever that can be moved into an engaged condition where the clamp is partially opened to facilitate the rotation of the medical device within the clamp.