

7. A collapsible personnel isolation apparatus according to claim 1 wherein the ports comprise a pass-through port formed in a portion of the flexible wall, the pass through port being provided for isolated exchange of items from the exterior to the interior.

8. A collapsible personnel isolation apparatus according to claim 1 further comprising: a filter and blower assembly for chemical and biological environments, the filter and blower assembly being in air transport communication with the ventilation port.

9. A collapsible personnel isolation apparatus according to claim 1 wherein the closure device comprises a zipper.

10. A collapsible personnel isolation apparatus comprising:

- a flexible wall defining an interior region for receiving a patient;
- at least one internal support adapted for supporting contact with the flexible wall to hold it away from the patient;
- a ventilation port for transmission of air between the interior region and exterior of the apparatus and for providing biochemical isolation between the interior region and exterior;
- a zipper enclosure; and

wherein a plurality of access ports are provided in a lower portion of the flexible wall below the zipper to avoid moving the ports with respect to the patient when the apparatus is opened and closed.

11. A collapsible personnel isolation apparatus comprising:

- a flexible wall defining an interior region for receiving a patient;
- at least one internal support adapted for supporting contact with the flexible wall to hold it away from the patient;
- a ventilation port for transmission of air between the interior region and exterior of the apparatus and for providing biochemical isolation between the interior region and exterior; and
- a flexible base connected to the flexible wall to define the interior, the flexible base being thicker than the flexible wall.

12. A collapsible personnel isolation apparatus according to claim 11 wherein the flexible base comprises a plurality of handholds formed therein for carrying the personnel isolation apparatus when it is loaded with a patient.

13. A collapsible personnel isolation apparatus according to claim 12 wherein the flexible base further comprises apparatus formed in the flexible base for engagement by elastic tension members for strapping the flexible base about a stretcher to provide support when carrying a patient within the interior.

14. An erectable isolation pod for transporting and treating persons, the pod comprising:

- a collapsible lower base portion positioned to be laid on the ground and uncovered to allow a person to lie down on the base;
- a collapsible upper cover portion to be positioned over the patient laying on the base and to be joined to the base portion to enclose the patient;
- a substantially airtight closure device joining the lower base portion and the upper cover portion to enclose the patient in a substantial airtight interior region;
- a portable air filtration unit connected to an air port in the joined base portion and cover portion for the transmission of air between the interior region and exterior of the pod while the portable air filtration unit and the patient are being transported to a hospital;

ports in pod to allow treatment of the patient in the interior region of the pod by care givers on the exterior of the pod;

the closure device extending along substantially at least one side of the pod and along substantially at least one short end of the pod.

15. An isolation pod in accordance with claim 14 wherein the closure device comprises a zipper and joins together at least one long side and a head end and a foot end of the base portion and cover portion to enclose the patient in the pod.

16. An isolation pod in accordance with claim 14 comprising:

- at least one internal support within the pod to hold the cover portion away from the patient; and
- an air blower for blowing air into the pod to provide the patient with air and to provide compressed air in the interior region to hold the cover portion from the patient.

17. An isolation pod in accordance with claim 14 comprising:

- a stretcher-like pod sized to be used as a stretcher or with stretcher poles.

18. A stretcher kind of collapsible isolation apparatus for use in transporting and treating a patient in an isolated interior chamber in the apparatus, the apparatus comprising:

- a bottom portion to receive a patient laid on his back on an interior side of the bottom portion;
- the bottom portion sized to be used as or with a stretcher to transport the patient;
- a cover portion for joining to the bottom portion to define the isolated interior chamber in the apparatus and about the patient;
- the bottom and cover portions defining a collapsible apparatus that may be expanded to receive a patient;
- ports in the cover portion to allow treatment of the patient within the interior chamber by a care giver on the exterior of the cover portion while the patient is being transported;

a portable air ventilation and filtration device mounted on one end of the base to be transportable on the stretcher with the base;

an air filter on the ventilation and filtration device for connection to ports for the chamber in a first mode to filter air flowing into the hollow interior chamber and for connection in a second mode to filter air flowing from the interior chamber.

19. A stretcher kind of apparatus in accordance with claim 18 comprising:

- patient restraining belts mounted within the bottom portion to restrain the patient while being transported on a stretcher.

20. A stretcher kind of apparatus in accordance with claim 19 comprising:

- connectors on the base portion for connection thereof to a stretcher.

21. A stretcher kind of apparatus in accordance with claim 18 wherein:

- the air ventilation and filtration device comprises a pair of filters;
- a common hose connected to the pair of filters and being in fluid communication with a first port for the chamber when filtering air flowing into the chamber and being in fluid communication with a second port for the chamber when filtering air flowing from the chamber.