IIS-G1-U3 Electromedical Mesh

The IIS-G1-U3 is utilised in medical applications, especially alongside the IIS-G1-U2 Medicinal Reservoir Autoinjector. Most common applications are as a defribrillator, pacemaker or atrophy prevention device. It was originally designed as a specialist module for usage with the IIS-G1 "Last Resort" Self-Contained Survival Apparatus, but is more widely used standalone.

Description

The IIS-G1-U3 appears similar to Dataweave visually, but is clearly for different functionality and does not need to be spliced between other materials. Many small circular circuits can be seen on the material and have chrome contacts on one side, that being the interior side. The exterior side comes with a matte, insulative finish, but this can be removed if being integrated by special means into an exosuit. Every few rows of contacts there is a cable port for external power and data connections.

Usage

The IIS-G1-U3 is a mesh roll that can be applied directly to the skin or pre-applied inside a bodysuit or mech interior. When stored as a roll, the mesh is tearaway and can therefore be used as easily as bandages. For this reason, the capacitors come pre-charged. The interior contacts track cardiac rhythm and provide shocks where necessary. Each contact has a sensor, capacitor and data cables linking it to surrounding sensors. By collaboration with surrounding contacts, the IIS-G1-U3 can track bioelectrical activity across the entire area applied.

The IIS-G1-U3 can provide defibrillator-like shocks to its user, as well as an external pacemaker for those with failing hearts. In cases where its user is disabled or immobilised by other means for extended periods, shocks can be delivered to prevent musclar atrophy. This is especially useful with the IIS-G1 "Last Resort" Self-Contained Survival Apparatus in the case an occupant is trapped and does not have the ability to utilise a IIS-G1-U1 Peltier Bodysuit.

For extended use, an external power supply needs to be connected via one of the ports that are positioned every few rows of contacts. Data can also be transferred down this line for feedback to outside systems. The IIS-G1 "Last Resort" Self-Contained Survival Apparatus can be connected in this manner.

OOC Notes

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