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(57) Abstract :

Disclosed herein is an adjustable resistance- based physiotherapy system for upper limb rehabilitation (100) comprises a supporting frame (102) configured to support a user's upper limb during physiotherapy exercises. The system also includes a resistance generating unit (104) configured to provide variable resistance to movement of the user's upper limb. The system also includes a limb engagement unit (106) configured to enable a therapist or the user to selectively modify the resistance level according to rehabilitation requirements. The system also includes a user interface (108) configured to allow a therapist or user to adjust resistance settings. The system also includes a monitoring module (110) configured to track exercise parameters.

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