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24(1), 18-23 (2015)CrossRefGoogle ScholarZygomalas, A., Kehagias, I., Giokas, K., Koutsouris, D.: Miniature surgical robots in the NOTES era and less dreams or reality? *Surgical innovations* 22(1), 97-107 (2015)CrossRefGoogle ScholarDe Donno, A., Zorn, L., Zanne, P., Nageotte, F., de Mathelin, M.: Introducing STRAS: A new flexible robotic system for minimally invasive surgical surgery. In: *IEEE International Conference on Robotics and Automation*, p. 1213-1220 (2013)Google ScholarConrad, B.L., Jung, J., Penning, R.S., Zinn, M.R.: Interleaved continuum-rigid manipulation: an increased approach to robotized minimally invasive flexible catheter procedures. In: *IEEE International Conference on Robotics and Automation*, p. 718-724 (2013)Google ScholarBasdogan, C., De, S., Kim, J., Muniyandi, M., Kim, H., Srinivasan, M.A.: Haptics minimally invasive during surgical modeling and training. *Computer graphics and applications* 24(2), 56-64 (2004)CrossRefGoogle ScholarColes, T.R., Meglan, D., John, N.: The role of Haptics in medical training simulators: study of modern events. *IEEE transactions haptics* 4(1), 51-66 (2011)CrossRefGoogle ScholarZendejas, B., Brydges, R., Hamstra, S.J., Cook, D.A.: Evidence of simulation training in laparoscopic surgery: systematic review. *Surgery* 257(4), 586-593 (2013)CrossRefGoogle ScholarHong, M.B., Jo, Y.-H.: Design and evaluation of 2-DOF-compliant force-detecting capabilities for minimally invasive robotic surgery. *Ieee on robotics* 28(4), 932-941 (2012)CrossRefGoogle ScholarHe, C., Wang, S., Sang, H., Li, J., Zhang, L.: Force sensing of multiple-DOF cable-driven instruments for minimally invasive robotic surgery. *International Journal of Medical Robotics and Computer Surgery* 10(3), 314-324 (2014)CrossRefGoogle ScholarMarcus, H.J., Zareinia, K., Gan, L.S., Yang, F.W., Lama, S., Yang, G.Z., Sutherland, G.R.: Forces exerted during microneurosurgery: cadaver study. *International Journal of Medical Robotics and Computer Surgery* 10(2), 251-256 (2014)CrossRefGoogle ScholarPayne, C.J., Latt, W.T., Yang, G.Z.: New manual force-strengthening device for micromanipulation. In: *IEEE International Conference on Robotics and Automation*, pp 1583-1588 (2012)CrossRefGoogle ScholarGonenc, B., Feldman, E., Gehlbach, P., Handa, J., Taylor R.H., Iordachita, I.: Robot-assisted vitreoretinal surgery: Force sensor microrealizing integrated with manual micromanipulator. In: *IEEE International Conference on Robotics and Automation*, 1399-1404 (2014)Google ScholarBurgner, J., Rucker, D.C., Gilbert, H.B., Swaney, P.J., Russell 3rd, P.T., Weaver, K.D., Webster III, R.J.: Transcervical Surgery Telerobotic System. *IEEE/ASME transactions mechatronics* 19(3), 996-1006 (2013)CrossRefGoogle ScholarBedell, C., Lock, J., Goline, A., Dupont, P.E.: Optimising the design of concentric tube robots based on tasks and anatomical limitations. In: *IEEE International Conference on Robotics and Automation Process*, p. 398-403 (2011)Google ScholarHerrick, R.J., Herrrell, S.D., Webster, III, R.J.: Multi-handed robotic transurethral laser prostate surgery system. In: *IEEE International Robotics and Automation Conference Proceedings*, p. 2850-2855 (2014)Google ScholarBowthorpe, M., Tavakoli, M., Becher, H., Howe, R.: Smith predictor-based robot management for ultrasonically controlled teleoperative beating heart surgery. *IEEE Journal of Biomedical and Health Informatics* 18(1), 157-166 (2014)CrossRefGoogle ScholarHe, X., Balicki, M., Gehlbach, P., Handa, Yu, Taylor, R., Iordachita, I.: New dual-force sensor locking instrument with robotic cooperative assistant for vitreoretinal surgery. In: *IEEE International Conference on Robotics and Automation*, p. 213-218 (2013)Google ScholarYu, H., Shen, J.-H., Joos, K.M., Simaan, N.: Design, calibration and preliminary testing of oct-eld retinal surgery. In: *IEEE International Conference on Robotics and Automation*, p. 225-231 (2013)Google ScholarRanzani, T., Silvestri, M., Argiolas, A., Vatteroni, M., Menciassi, A.: New troto, multi-directional, magnetic activated laparoskop. In: *Robotics and automation procedures*, p. 1199-1204 (2013)Google C.A., Smith, S., S., A., Ketterl, T., Sun, Y., Ross, S., Rosemurgy, A., Savage, P.P., Gitlin, R.D.: MARVEL: Wireless miniature mounted robotic videoscope for accelerated laparoscopy. In: *IEEE International Conference on Robotics and Automation Process*, p. 2926-2931 (2012)Google ScholarIrikemoto, S., Amor, H.B., Minato, T., Jung, B., Ishiguro, H.: Physical human-robot interaction: mutual learning and adaptation. *IEEE Robotics and Automation magazine* 19, 24-35 (2012)CrossRefGoogle ScholarMarcus, H., Nandi, D., Darzi, A., Yang, G.Z.: Surgical robotics through the keyhole: From today's translation barriers to tomorrow's endangered robots. *IEEE biomedical engineering transactions* 60(3), 674-681 (2013)CrossRefGoogle ScholarOden, R.: Systemic therapeutic exercises for managing paralysis in hemiplegia. *Journal of the American Medical Association* 298(12), 828-833 (1918)CrossRefGoogle ScholarSterr, A., Saunders, A.: Distribution of CI therapy: theory, evidence and practice. *NeuroRehabilitation* 21(2), 97-105 (2006)Google ScholarBrown, J.A.: Restoring engine function after a stroke. *Progress in Brain Research* 157, 223-228 (2006)CrossRefGoogle ScholarRamachandran, V., Hirstein, W.: Phantom Limb Perception. D. O. Hebb lecture. *Brain* 121(Pt9), 1603-1630 (1998)Google ScholarBobath, B.: Evaluation and treatment of adult hemiplegic. *Elsevier Health Sciences* (1990)Google ScholarKrott, M., Voss, D., Hipshman, H., Buckley, J., Mead, S.: Proprioceptive neuromuscular relief: patterns and techniques. *Hoover Medical Department, Harper & Row* (1968)Google ScholarMaciejasz, P., Eschweiler, J., Gerlach-Hahn, K., Jansen-Troy, A., Leonhardt, S.: Robotic devices for upper limb rehabilitation study. *Journal of Neuroengineering and Rehabilitation* 11, 3 (2014)CrossRefGoogle ScholarDiaz, I., Gil, J.J., Sanchez, E.: Lower Limb Robotic Rehabilitation: Literature Review and Challenges. *Journal of Robotics* 2011, 1-11 (2011)CrossRefGoogle ScholarHogan, N., Krebs, H.I., Charnnarong, J., Srikrishna, P., Sharon, A.: MIT-MANUS: Workplace II manual therapy and training. In: *Telemanipulator Technology*, vol. 1833, pp. 28-34 (1993)Google ScholarKrebs, H.I., Ferraro, M., Buerger, S.P., Newberry, M.J., Makiyama, A., Sandmann, M., Lynch, D., Volpe, B.T., Hogan, N.: Pilot study of MIT-Manus spatial expansion. *Journal of Neuroengineering and Rehabilitation* 5, 5 (2008)CrossRefGoogle ScholarRiener, R., Nef, T., Colombo, G.: Robot helps neurorehabilitation of the upper extremities. *Medical and biological engineering and computing* 43 (1), 2-10 (2005)CrossRefGoogle ScholarNet, T., Quintero, G., Muller, R., Riener, R.: Effects of arm training robotic device ARMin I chronic stroke: Three isolated cases. *Neurodegenerative diseases* 6(5-6), 240-251 (2009)CrossRefGoogle ScholarJezernik, S., Colombo, G., Keller, T., Frueh, H., Morari, M.: Robotic Orthosis Lokomat: Rehabilitation and Research Tool. *Neuromodulation* 6 (2), 108-115 (2003)CrossRefGoogle ScholarKreuer, C., Muller, F., Husemann, B., Heller, S., Quintero, J., Koenig, E.: The impact of different lokomat walking conditions on the energy cost of hemiparetic patients and healthy individuals. *Gait and posture* 26(3), 372-377 (2007)CrossRefGoogle ScholarHidler, J., Nichols, D., Pelliccio, M., Brady, K., Campbell, D.D., Kahn, J.H., Hornby, T.G.: Multicenter randomized clinical trial evaluating lokomat's effectiveness in Neurorehabilitation and Nerve Repair 23(1), 5-13 (2009)CrossRefGoogle ScholarCobenaBaldas-Maestro, M., Esclarin-Ruz, A., Casado-Lopez, R.M., Munoz-Gonzalez, A., Perez-Mateos, G., Gonzalez-Valdizan, E., Martin, J.L.R.: A: Lokomat robotic helps compared to ground training over 3 to 6 months for incomplete spinal cord damage: Randomized controlled trial. *Neurorehabilitation and Neural Repair* 26(9), 1058-1063 (2012)CrossRefGoogle ScholarSanchez, R., Reinkensmeyer, D., Shah, P., Liu, J., Rao, S., Smith, R., Cramer, S., Rahman, T., Bobrow, J.: Monitoring movement of the arm for home therapy after a stroke. In: *IEEE Engineering Medical and Biology Society Annual International Conference Process*, pp. 4787-4790 (2004)Google ScholarSanchez, R.J., Liu, J., Rao, S., Shah, P., Smith, R., Rahamn, T., Cramer, S.C., Bobrow, J.E., Reinkensmeyer, D.J.: Automation of hand movement training after a heavy impact: functional exercises with quantitative feedback on IEEE transactions in neural systems and rehabilitation engineering 14 (3), 378-389 (2006)CrossRefGoogle ScholarGijbels, D., Lamers, I., Kerhofs, L., Alders, G., Knippenberg, E., Feys, P.: Armeo Spring as a training tool to improve the functionality of the upper extremities in the case of multiple sclerosis: pilot study. *Journal of Neuroengineering and Rehabilitation* 8, 5 (2011)CrossRefGoogle ScholarBovolenta, F., Sale, P., Dall'Armi, V., Clerici, P., Franceschini, M.: GRobot assists upper limb therapy in patients with stroke lesions. *Brief report of clinical experience. Journal of Neuroengineering and Rehabilitation* 8, 18 (2008)CrossRefGoogle ScholarFreivogel, S., Mehrholz, Yu, Husak-Sotomayor, T., Schmalohr, D.: Gait training with the newly developed LokoHelp system is possible for non-outpatient patients after stroke, spinal cord and brain injury. *Feasibility study. Brain injuries* 22(7-8), 625-632 (2008)CrossRefGoogle ScholarFreivogel, S., Schmalohr, D., Mehrholz, Yu: Improved walking ability and reduced therapeutic stress with electromechanical gait device. *Journal of Rehabilitation Medicine* 41(9), 734-739 (2009)CrossRefGoogle ScholarWest, G.R.: Powered gait orthosis and method using the same. U.S. patents 6,689,075 (February 10, 2004)Google ScholarVolpe, B.T., Krebs, H., Hogan, N., Otr, L., Diels, C., Aisen, M.: A new approach to stroke rehabilitation: robot assisted sensorimotor stimulation. *Neurology* 54, 1938-1944 (2000)CrossRefGoogle ScholarFreeman, C.T., Hughes, A.M., Burridge, J.H., Chappell, P.H., Lewin, P.L., Rogers, E.: Robotic workstation for upper limb stroke rehabilitation with FES. *Medical Engineering and Physics* 31(3), 364-373 (2009)CrossRefGoogle ScholarZhihao, Z., Yuan, Z., Ninghua, W., Fan, G., Kunlin, W., Qining, W.: Thanks to the robot assists in the rehabilitation system by designing the ankle joint with contracture and/or spasms based on proprioceptor neuromuscular relief. In: *IEEE International Conference on Robotics and Automation*, p. 736-741 (2014)Google ScholarFeil-Seifer, D., Mataric, M.J.: Definition of socially auxiliary robotics. In: *IEEE International Rehabilitation Robotics Conference meetings*, 465-468 (2005)Google ScholarLobo-Prat, J., Kooren, P.N., Stienen, A.H.A., Herder, J.L., Koopman, B.F.J.M., Veltink, P.H.: Non-invasive control interfaces for the detection of active mobility aids. *Magazine and rehabilitation* 11, 168 (2014)CrossRefGoogle ScholarDahl, T.S., Boulos, M.N.K.: Robots in the field of health and social care: additional home care and telehealth care technology. *Robotics* 3(1), 1-21 (2013)CrossRefGoogle ScholarMy Spoon. (received on 10 February 2015) Neater Arm support. (received on 10 February 2015) Hasegawa, Y., Oura, S., Takahashi, Yu: Exoskeleton Meal Relief System (EMAS II) in patients with progressive muscle disease. *Advanced Robotics* 27(18), 1385-1398 (2013)CrossRefGoogle ScholarKiguchi, K., Hayashi, Y.: EMG-based control of the upper limb power auxiliary exoskeleton robot. *IEEE transactions in systems, man, and cybernetics, Part B: Cybernetics* 42(4), 1064-1071 (2012)CrossRefGoogle ScholarKatz, S., Ford, A.B., Moskowitz, R.W., Jackson, B.A., Jaffe, M.W.: Disease Research Age: ADL Index: Standardized Measure of Biological and Psychosocial Function. *Journal of the American Medical Association* 185(12), 914-919 (1963)CrossRefGoogle ScholarNilsson, M., Ingvar, J., Wikander, J., von Holst, H.: Soft supplementary muscle system to improve neurological rehabilitation ability. In: *IEEE EMBS Biomedical Engineering and Scientific Conference Procedures*, p. 412-417 (2012)Google ScholarHeo, P., Kim, Yu: Power-Assistive Finger Exoskeleton with a Palmar Opening at the Fingerpad. *IEEE biomedical engineering transactions* 61(11), 2688-2697 (2014)CrossRefGoogle ScholarTEK robotic mobilization device. (received on 15 February 2015) Nakajima, S.: Proposal for a personal mobility vehicle capable of driving in a rough area. Disability and rehabilitation: Assistive technologies 9(3), 248-259 (2013)MathSciNetCrossRefGoogle ScholarReWalk - More than walking. (received on 15 February 2015) Esquenazi, A., Talaty, M., Packel, A., Saulino, M.: ReWalk-powered exoskeleton to restore outpatient function in persons with thoracic level motor complete spinal cord injury. *American Journal of Physical Medicine & Rehabilitation* 91(11), 911-921 (2012)CrossRefGoogle ScholarCarpino, G., Accotto, D., Tagliamonte, N.L., Ghilardi, G., Guglielmelli, E.: Underwear portable robots to restore physiological gait: modern and motifs. MEDIC methodology & Education for Clinical Innovation – New Series 21(2), 72-80 (2013)Google ScholarEkso Bionics – exoskeleton bin suit or wearable robot to help people walk again. (received on 16 February 2015) Strausser, K.A., Kazerooni, H.: Development and testing of human-machine interface for mobile medical exoskeleton. In: *IEEE International Conference on Advanced Robots and Systems*, p. 4911-4916 (2011)Google ScholarRex Bionics – into the future. . (received on 16 February 2015) Quintero, H.A., Farris, R.J., Goldfarb, M.: Method of autonomic control of exoskeletons of the lower extremities in persons with paraplegia. *Journal of Medical Devices* 6(4), 041003 (2012)CrossRefGoogle ScholarIndego – Powering People Forward. (received on 17 February 2015) Ronse, R., Vitello, N., Lenzi, T., van den Kieboom, J., Carrozza, M.C., Ijspeert, A.J.: Humanrobot synchronous: flexible support for adaptive oscillators. *IEEE transactions in biomedical engineering* 58(4), 1001-1012 (2011)CrossRefGoogle ScholarRoy, S., De Luca, G., Cheng, M., Johansson, A., Gilmore, L., De Luca, C.: Electromechanical surface EMG sensor stability. *Medical & Biological Engineering & Computing* 45(5), 447-457 (2007)CrossRefGoogle ScholarKamavuako, E.N., Englehart, K.B., Jensen, W., Farina, D.: Synchronous and proportional force rating in several degrees of freedom from muscle to emg. *IEEE biomedical engineering transactions* 59(7), 1804-1807 (2012)CrossRefGoogle Scholar

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