

Over the past years Movendo Technology completed a great number of clinical studies covering the main areas of orthopedics, neurology, geriatrics and sports, thanks to the collaboration with our clinical partners worldwide.

Design and development of a novel core, balance and lower limb rehabilitation robot: hunova.

Accepted at IEEE Int Conf Rehabil Robot, (24-28 June 2019, Toronto). Saglia J.A., De Luca A., Squeri V., Ciaccia L., Sanfilippo C., Ungaro S., De Michieli L.

Robot-based assessment of sitting and standing balance: preliminary results in Parkinson's disease.

Accepted at IEEE Int Conf Rehabil Robot, (24-28 June 2019, Toronto). Marchesi G., Casadio M., Ballardini G., De Luca A., Squeri V., Vallone F., Giorgini C., Crea P., Pilotto A., Sanfilippo C., Saglia J., Canessa A.

Effect of a robotic training focused on balance and core stability in Parkinson's disease: a pilot study, Innovation in Rehabilitation Technologies (IRT).

(5 March 2019, Genoa). Vallone F., Cella A., De Luca A., Giorgini C., Squeri V., Crea P., Giorgeschi A., Neri F., Saglia J.A., Sanfilippo C., Pilotto A.

Robotic balance assessment to predict falls in community-dwelling older subjects: a prospective 12-month follow-up study, Innovation in Rehabilitation Technologies (IRT).

(5 March 2019, Genoa). Cella A., De Luca A., Guerrero K.L.Q., Squeri V., Vallone F., Giorgeschi A., Zigoura E., Senesi B., Tavella E., Aguzzoli P., Parodi S., De Michieli L., Saglia J., Sanfilippo C., Pilotto A.

Balance robotic evaluation with hunova in older people: correlation with Short Physical Performance Battery (SPPB).

14th EUGSM International Congress of the European Geriatric Medicine Society, (10-12 October 2018, Berlin) Cella A., Squeri V., De Luca A., Zigoura E., Vallone F., Senesi B., Giorgeschi A., Quispe Guerrero KL., Garofalo V., De Michieli L., Saglia J., Sanfilippo C., Pilotto A.

Evaluation and rehabilitation training with hunova robotic system for the recovery of dynamic postural stability: open randomized interventional protocol, on patients after ACL surgical reconstruction.

XLVI SIMFER National Congress, (20-23 September 2018, Ancona). Francesco Vallone, Guido Damiani, Maria Laura D'Angelo, Alice De Luca, Valentina Squeri, Lorenzo De Michieli, Jody Alessandro Saglia, Carlo Sanfilippo, Natalia Corrieri, Claudia Giorgini, Paola Aguzzoli, Gabriele Carnevali, Valentina Garofalo, Rinzivillo Francesco, Mazzola Claudio (Genoa).

Dynamic postural evaluation and proprioceptive training with hunova: preliminary results in a RCT study in patients with ambulatory deficit following traumatic lesions of lower limbs.

XLVI SIMFER National Congress, (20-23 September 2018, Ancona). Elisa Taglione, Assunta Graziano, Maria Laura D'Angelo, Valentina Squeri, FD'Angelo, E. De Marco, R. Filippetti, F. Pasqualetti, A. Rapalli, Jody Alessandro Saglia, Carlo Sanfilippo, Matteo Laffranchi, Paolo Catitti, Lorenzo De Michieli (Volterra PI).

Efficiency of a robotic treatment focused on balance and core stability in patients with Parkinson: a pilot study.

XLVI SIMFER National Congress, (20-23 September 2018, Ancona). Claudia Giorgini, Francesco Vallone, Paola Crea, Alice De Luca, Valentina Squeri, Natalia Corrieri, Paola Aguzzoli, Alberto Cella, Camilla Prete, Barbara Senesi, Angela Giorgeschi, Jody Saglia, Carlo Sanfilippo, Alberto Pilotto (Genoa).

Evaluation of static and dynamic balance with hunova robotic system in post-stroke.

XLVI SIMFER National Congress, (20-23 September 2018, Ancona). Giovanni Cannaviello, Chiara Lorenzon, Chiara Giovanzana, Maria Colombo, Marina Gaffuri, Eleonora Guanziroli, Franco Molteni (Costa Masnaga LC).

Utilization of the robotic platform for balance training in the upper motor neuron syndrome.

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Robotic evaluation of balance in elderly patients: correlation with the functional parameters.

XLVI SIMFER National Congress, (20-23 September 2018, Ancona). Francesco Vallone, Valentina Squeri, Alice De Luca, Alberto Cella, Giacomo Siri, Ekaterini Zigoura, Angela Giorgeschi, Erica Tavella, Matteo Puntoni, Mara Avella, Valentina Garofalo, Paola Aguzzoli, Lorenzo De Michieli, Jody Saglia, Carlo Sanfilippo, Pilotto Alberto (Genoa).

Robotic evaluation of fall risk in older people: results on trunk parameters in static and dynamic balance conditions by hunova robot.

12TH ISPRM WORLD CONGRESS – ISPRM (08 - 12 July 2018, Paris). Squeri V., De Luca A., Vallone F., Cella A., Siri G., Zigoura E., Giorgeschi A., Tavella E., Puntoni M., Avella M., Garofalo V., Aguzzoli P., De Michieli L., Saglia J., Sanfilippo C., Pilotto A.

Proprioceptive and motor training using the high performance robotic device Hunova: protocol of a randomized, controlled trial in patients with lower limb post-traumatic conditions.

12th ISPRM WORLD CONGRESS – ISPRM (08 - 12 July 2018, Paris). Taglione E.

The use of the robotic device Hunova® as a rehabilitation tool for functional balance in individuals with Spinal Cord Injury.

12th ISPRM WORLD CONGRESS – ISPRM (08 - 12 July 2018, Paris). Leo A., Zarbo M., Cassinis A., Spinelli M.

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Fall risk assessment in elderly people using hunova, a robotic rehabilitation device.

Osteoporosis International, 2017, vol. 28 (SUPPL 1), (no. 127), pp. S425-S425. DOI <https://doi.org/10.1007/s00198-017-3950-2>. Squeri V., Cella A., Saglia J.A., Giusti A., Prete C., Vallone F., Senesi B., Zigoura E., Tavella E., Ciaccia L., Avella M., Garofalo V., Aguzzoli P., Sanfilippo C., Pilotto A.

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31° SIGOT National Congress (8-9 June 2017, Genoa). Squeri V., Bei G., Ciaccia L., Lino M., Sanfilippo C., Saglia J., Ungaro S., Ianes A.

Fall Risk Assessment in elderly people using hunova, a robotic rehabilitation device.

31° SIGOT National Congress (8-9 June 2017, Genoa). Squeri V., Cella A., Deluca A., Saglia J., Giusti A., Prete C., Vallone F., Senesi B., Zigoura E., Tavella E., Ciaccia L., Avella M., Garofalo V., Aguzzoli P., Sanfilippo C., Pilotto A.

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44° SIMFER National Congress (23-26 October 2016, Bari). Taglione E., De Marco E., Pasqualetti F., Rapalli A., Squeri V., Masia L., Caldwell D. G., Catitti P., Saglia J. A.

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