|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Manuscript title** | **Year of publication** | **Subjects Age** | **Type of publication** | **Country** | **How MACS used** | **Study design** |
| The Manual Ability Classification System (MACS) for children with cerebral palsy: scale development and evidence of validity and reliability1 | 2006 | 4-18 y | Original article | Sweden, Australia | Psychometric testing | Measurement(Reliability and validity study)\* |
| Reliability of the Manual Ability Classification System for children with cerebral palsy2 | 2006 | 4-18 y | Original article | United Kingdom | Psychometric testing | Measurement(Reliability study)\* |
| Do the abilities of children with cerebral palsy explain their activities and participation3 | 2006 | 6-12 y | Original article | United Kingdom | Independent variable | Descriptive |
| Measurement tools: new opportunities for with cerebral palsy4 | 2006 |  | Commentary |  | Informative |  |
| Using the MACS to facilitate communication about manual abilities of children with cerebral palsy5 | 2006 |  | Commentary  |  | Informative | Commentary |
| Association between gross motor function (GMFCS) and manual ability (MACS) in children with cerebral palsy. A population-based study of 359 children6 | 2007 |  | Original article | Sweden | Independent variable | Correlational study |
| Life Sciences; Study findings on life sciences in children are outlined in reports from university of Bergen7 | 2008 |  | Newsletter |  |  |  |
| Hand function in cerebral palsy. Report of 367 children in a population based longitudinal health care program8 | 2008 | 4-14 y | Original article | Sweden | Independent variable | Descriptive study |
| Classification of motor functional performance in children with cerebral palsy9 | 2008 | 1-14 y | Original article | Brazil | Independent variable | Correlational study |
| Muscle Strength examination of hand and motor skills of hand in cerebral palsy10 | 2008 | 8-26 y | Original article | Czech Republic | Independent variable | Correlational study |
| Diversity of participation in children with cerebral palsy11 | 2008 | 10.9-12.9 y | Original article | Australia | Sample descriptor | Descriptive study |
| Observer reliability of the Gross Motor Performance Measure and the Quality of Upper Extremity Skills Test, based on video recordings12 | 2008 | 2-15 y | Original article | Norway | Sample descriptor | Measurement |
| Tactile sensory abilities in cerebral palsy: deficits in roughness and object discrimination13 | 2008 | Not sure | Original article | United States | Sample Descriptor | Descriptive |
| Basic motor capacity in relation to object manipulation and general manual ability in young children with spastic cerebral palsy14 | 2009 | 3-6 y | Original article | Germany | Independent variable | Comparative Non experimental |
| Effects of constraint-induced movement therapy in children with hemiplegia: A single case experimental study15 | 2009 | 8-11 y | Original article | Brazil | Sample descriptor | Experimental study |
| Transition to adulthood: validation of the Rotterdam Transition Profile for young adults with cerebral palsy and normal intelligence16 | 2009 | 16-22 y | Original article | Nether-lands | Sample descriptor | Measurement and correlation |
| Feasibility of a Day-Camp Model of Modified Constraint-Induced Movement Therapy With and Without Botulinum Toxin A Injection for Children With Hemiplegia17 | 2009 | 8-17 y | Original article | Sweden | Sample descriptor | Experimental study |
| Measurements of manual function in childrenWith CP and epilepsy using grossMotor function measure scale and levels18 | 2009 | Not given | Conference presentation  |  | Independent variable | Correlation |
| Manual function and functional developmentDiagnosing in children with CP showingMental impairment19 | 2009 |  | Conference presentation – abstract |  | Independent variable | Correlation |
| Relationship among the Manual Ability Classification System (MACS), the Gross Motor Function Classification System (GMFCS), and the functional status (WeeFIM) in children with spastic cerebral palsy20 | 2009 | 4-15 y | Original article | Turkey | Independent variable | Correlation |
| Stability of parent reported manual ability and gross motor function classification of cerebral palsy.21 | 2009 | 11-12 y | Conference presentation |  | Psychometric testing | Measurement(Reliability study)\* |
| Handwriting skill of school-children with unilateral cerebral palsy.22 | 2009 | 7-12 y | Conference presentation |  | Sample descriptor | Non experimental study (Comparative) |
| Activity focused and goal directed therapy for children with cerebral palsy – Do goals make a difference?23 | 2009 | 1-6 y | Original study | Sweden | Sample descriptor | Experimental study |
| Participation in play activities of children with cerebral palsy24 | 2009 |  | Dissertation | United States | Sample descriptor | Descriptive study |
| Functional skills, MACS and GMFCS in children with cerebral palsy.25 | 2009 | 3-15 y | Conference presentation |  | Independent variable | Correlational study |
| Predictors of verbal working memory in children with cerebral palsy26 | 2009 | Mean: 7 y | Original Study | Nether-lands | Sample descriptor | Descriptive |
| Home literacy environment: Characteristics of children with cerebral palsy27 | 2009 | Mean: 6 y | Original study | Nether-lands | Independent variable | Comparative |
| Classification of manual abilities in children with cerebral palsy under 5 y of age: how reliable is the Manual Ability Classification System?28 | 2009 | 1-5 y | Original study | Nether-lands | Psychometric testing | Measurement(Reliability study)\* |
| Functional outcome at school age of preterm infants with periventricular hemorrhagic infarction29 | 2009 | 4-12 y (MACS measured) | Original study | Nether-lands | Independent variable | Descriptive |
| Use of neurophysiological measures to better understand hand function in young people with hemiplegia cerebral palsy30 | 2009 | Mean: 15 y | Conference presentation abstracts |  | Sample descriptor | Correlational study |
| Development of a parent-report computer-adaptive test-assess physical functioning in children with cerebral palsy II: upper-extremity skills31 | 2009 | 2-21 y | Original article | United States, Canada | Psychometric testing (Standard criteria) | Measurement |
| Psychometric properties of the Pediatric Motor Activity Log used for children with cerebral palsy32 | 2009 |  | Original article | Australia | Psychometric testing (Standard criteria) | Measurement |
| Hemiplegia; Research from University of Queensland provides new data on hemiplegia33 | 2009 |  | Newsletter |  |  |  |
| Assessment of functional levels in children with, Serebral palsili cocuklarin fonksiyonel seviyelerinin deterlendirilmesi.34 | 2010 | Mean: 6.45 y | Abstract - conference presentation |  | Independent variable | Descriptive study |
| Reliability and cross-cultural validation of the Turkish version of Manual Ability Classification System (MACS) for children with cerebral palsy35 | 2010 | 4-18 y | Original article | Turkey | Psychometric testing | Measurement(Reliability study)\* |
| INCITE: A randomised trial comparing constraint induced movement therapy and bimanual training in children with congenital hemiplegia36 | 2010 | 5-16 y | Original article | Australia | Sample descriptor | Experimental study |
| Relationship between neuromuscular body functions and upper extremity activity in children with cerebral palsy37 | 2010 | 8-18 y | Original article | Norway | Sample descriptor | Correlational study |
| Temporal-spatial parameters of the upper limb during a Reach & Grasp Cycle for children38 | 2010 |  | Original article | United States | Independent variable | Descriptive, & correlation |
| Action planning in typically and atypically developing children (unilateral cerebral palsy)39 | 2010 | 3-6 y | Original article | Nether-land | Sample descriptor | Descriptive |
| Quantifying bilateral motor deficits in childhood onset hemidystonia40 | 2010 | 11-21 y | Conference presentation |  | Sample descriptor | Measurement |
| How is cursor control during computer use by adolescents with cerebral palsy (CP) related to their MACS levels?41 | 2010 | 13-25 y | Conference presentation |  | Sample descriptor | Descriptive |
| Youth With Cerebral Palsy With Differing Upper Limb Abilities: How Do They Access Computers?42 | 2010 |  | Original article | New Zealand, Canada | Sample descriptor | Descriptive |
| Adapted version of constraint-induced movement therapy promotes functioning in children with cerebral palsy: a randomized controlled trial43 | 2010 | Mean: 5 y 6 mo, and 6 y 7 mo | Original article | Brazil | Sample descriptor | Randomized Control Trial |
| Manual Ability Classification System for children with cerebral palsy.44 | 2010 |  | Conference presentation. |   | Informative | Descriptive |
| Development of hand function - Results from the three first y of The Cerebral Palsy Follow-up Program (CPOP) in Norway.45 | 2010 |  | Conference presentation |  | Sample descriptor | Descriptive |
| Botulinum toxin A injections to upper limbs in children with cerebral palsy: Duration of effect.46 | 2010 | Mean: 9.9 y | Conference presentation |  | Independent variable | Experimental study  |
| Functional assessment and the development of manual function in children with cerebral palsy, depending on the presence of epilepsy and cognitive impairment.47 | 2010 |  | Conference presentation |  | Independent variable | Descriptive |
| Functional Outcomes After Upper Extremity Surgery for Cerebral Palsy: Comparison of High and Low Manual Ability Classification System Levels48 | 2010 | Mean: 22 y | Original article | Korea | Independent variable | Prognostic |
| Magnetic resonance imaging demonstrating reorganization of upper limb function in neonatal stroke.49 | 2010 | 9 y | Conference presentation  |  | Sample descriptor | Case report |
| Longitudinal development of hand function in children with unilateral cerebral palsy50 | 2010 | 18 mo-5 y 4 mo | Original article | Sweden | Independent variable  | Descriptive |
| Hand function in relation to brain lesions and corticomotor-projection pattern in children with unilateral cerebral palsy51 | 2010 | 7-16 y | Original article | Sweden | Sample descriptor | Correlational study |
| The effect of combined training-constraint and bimanual use on hand function of children with cerebral palsy hemiparesis52 | 2010 | 6-9 y | Conference presentation |  | Sample descriptor | Experimental study |
| The terms diplegia, quadriplegia, and hemiplegia should be phased out53 | 2010 |  | Letter to editor |  | Informative | Letter to editor |
| Stability of caregiver-reported manual ability and gross motor function classifications of cerebral palsy54 | 2010 | 11 y 8 mo-12 year 8 mo | Original article | Australia | Psychometric testing | Measurement(Reliability)\* |
| Impact of transition to high school on leisure participation of adolescents with cerebral palsy.55 | 2010 | Time 1 - Mean: 11 y, 10m;Time 2 – Mean: 13 y, 9 mo  | Conference presentation |  | Sample descriptor | Comparative study |
| The role of knowledge brokers in the implementation of evidence-based measures in multidisciplinary teams: An example of the GMFCS and MACS56 | 2010 |  | Conference presentation |  | Independent variable | Comparative study |
| The relationship of MACS and BFMF in children with cerebral palsy.57 | 2010 |  | Conference presentation |  | Independent variable | Correlational study |
| Manual Ability Classification System for Children With Cerebral Palsy in a School Setting and Its Relationship to Home Self-Care Activities58 | 2010 |  | Original article | Nether-land | Independent variable | Correlational study |
| The relationship between unimanual capacity and bimanual performance in children with congenital hemiplegia.59 | 2010 | 5-16 y | Original article | Australia | Sample descriptor | Correlational study |
| Goal-directed functional therapy: A longitudinal study on gross motor function in children with cerebral palsy60 | 2010 | 1-6 y | Original article | Sweden | Sample descriptor | Experimental study |
| Characterization of adults with cerebral palsy61 | 2010 | 18 y and above | Original article | Brazil | Independent variable | Descriptive study |
| Comparison of gross motor and manual ability functions in children with spastic and dyskinetic cerebral62 | 2010 |  | Conference presentation |  | Independent variable | Descriptive study |
| Motor functional levels of children with cerebral palsy from the 'activity limitation' perspective of the International Classification of Functioning, Disability and Health.63 | 2010 |  | Conference presentation |  | Independent variable | Correlational study |
| The importance of motor functional levels from the activity limitation perspective of ICF in children with cerebral palsy... International Classification of Functioning, Disability, and Health64 | 2010 | 4-15 y | Original Research | Turkey | Independent variable | Correlational study |
| The long term effect of kinesiotaping on the hand function in a case with hemiparesis cerebral palsy, Hemiparetik serebral palsili bir olguda kinesiotaping uygulamasinin uzun donemde el fonksiyonu uzerindeki etkisi.65 | 2010 | 4 y | Conference  |  | Dependent variable | Case study |
| Parents' and therapists' perceptions of the content of the Manual Ability Classification System, MACS66 | 2010 | 8-12 y | Original article | Sweden | Psychometric testing | Qualitative study(validity study) |
| Self-care and mobility skills in children with cerebral palsy, related to their manual ability and gross motor function classifications67 | 2010 | 3-15 y | Original article | Sweden | Independent variable  | Correlational study |
| Upper limb function and deformity in children with spastic cerebral palsy68 | 2010 | 1-17 y | Conference presentation |  | Independent variable  | Descriptive, and Correlational study |
| Effectiveness of modified constraint-induced movement therapy in children with unilateral spastic cerebral palsy: a randomized controlled trial.69 | 2010 | 2.5-8 y | Original article | Nether-lands | Sample descriptor | Experimental study |
| A randomised trial comparing constraint induced movement therapy and bimanual training in children with congenital hemiplegia.70 | 2010 |  | Book section |  |  |  |
| Classification systems in cerebral palsy71 | 2010 |  |  |  | Informative | Review |
| Comparison between clinical evaluation and quality of life in a pediatric population with cerebral palsy treated with botulinum toxin type A.72 | 2010 |  | Conference presentation |  | Independent variable | Descriptive/ Correlational study |
| The relationship between unimanual capacity and bimanual performance in children with congenital hemiplegia73 | 2010 | 5-16 y | Original article | Australia | Sample descriptor | Correlational study |
| Reliability of kinematic measures of functional reaching in children with cerebral palsy74 | 2010 | 6-11 y | Original article | Canada | Sample descriptor | Measurement |
| Classifying cerebral palsy subtypes75 | 2010 |  | Perspective |  | Informative | Review |
| Change in basic motor abilities, quality of movement and everyday activities following intensive, goal-directed, activity-focused physiotherapy in a group setting for children with cerebral palsy76 | 2010 | 3-9 y | Original article | Norway | Sample descriptor | Experimental study |
| The effect of kinesio taping at the thumb and the wrist in children with cerebral palsy, hemiplegia.77 | 2010 | Mean: 5.9 y | Conference presentation |  | Sample descriptor | Experimental study |
| Efficacy of upper limb botulinum toxin A injections and occupational therapy on the bimanual performance of children with congenital hemiplegia78 | 2010 | 2-11 y | Conference Presentation |  | Sample descriptor | Experimental study |
| Manual ability and its relationship with daily activities in adolescents with cerebral palsy79 | 2010 | 12-16 y | Original article | Nether-lands | Independent variables | Descriptive, Correlational study |
| Using the manual ability classification system in young adults with cerebral palsy and normal intelligence80 | 2010 | 18-24 y | Original article | Nether-lands | Psychometric testing | Measurement(Reliability study)\* |
| Epilepsy in hemiplegic cerebral palsy due to perinatal arterial ischaemic stroke81 | 2010 | 4-20 y | Original article | Australia | Sample descriptor | Descriptive study |
| Sexuality of young adults with cerebral palsy: Experienced limitations and needs.82 | 2010 | 20-24 y | Conference presentation |  | Sample descriptor | Descriptive study |
| Importance of peers and dating in the development of romantic relationships and sexual activity of young adults with cerebral palsy83 | 2010 | 18-22 y | Original article | Nether-lands | Sample Descriptor | Descriptive study |
| Characterization of spasticity in cerebral palsy: Dependence of catch angle on velocity84 | 2010 | 7-16 y | Original article | United States | Sample descriptor | Descriptive/comparative study |
| Individualized, home-based interactive training of cerebral palsy children delivered through the Internet85 | 2011 | 9-13 y | Original article | Denmark | Sample descriptor | Experimental study |
| Gross motor and hand function in children with cerebral palsy and their relation with daily living activities86 | 2011 | 4-12 y | Conference presentation |  | Independent variable | Correlational study |
| The effect of combining daily restraint with bimanual intensive therapy in children with hemiparetic cerebral palsy: A self-control study87 | 2011 | 6-9 y old | Original article | Israel | Sample descriptor | Experimental study |
| Unilateral cerebral palsy: a population-based study of gait and motor function88 | 2011 | Mean: 11 y 4 mo | Original article | Australia | Independent variable | Descriptive/ Correlational study |
| Botulinum toxin a injections to the upper limbs in children with cerebral palsy: duration of effect89 | 2011 | Mean: 9.9 y | Original article | Israel | Independent variable | Experimental study |
| Visual assessment in children with cerebral palsy: implementation of a functional questionnaire90 | 2011 | 3-20 y | Original article | Israel | Sample descriptor | Descriptive/Measurement |
| Sequence learning in cerebral palsy91 | 2011 | 4-14.7 y | Original article | Italy | Sample descriptor | Comparative, descriptive |
| Mirror therapy in children with hemiplegia: a pilot study92 | 2011 | 6-14 y | Original article | Switzer-land | Sample descriptor | Experimental study |
| Developing and validating the Communication Function Classification System for individuals with cerebral palsy93 | 2011 | 2-18 y | Original article | United States, Canada | Sample descriptor | Measurement |
| Function and neuroimaging in cerebral palsy: a population-based study94 | 2011 | 4-8 y | Original article | Sweden | Independent variable | Descriptive study |
| Wearable wrist activity monitor as an indicator of functional hand use in children with cerebral palsy95 | 2011 | 6-12 y | Original article | Canada | Sample descriptor | Descriptive/correlation |
| The effect of intensive bimanual training on coordination of the hands in children with congenital hemiplegia96 | 2011 | 4-10 y | Original article | United States | Sample descriptor | Experimental study |
| The effect of combining daily restraint with bimanual intensive therapy in children with hemiparetic cerebral palsy: A self-control study97 | 2011 | 6-9 y | Original article | Israel | Sample description  | Experimental study |
| Development of handwriting skill in children with unilateral cerebral palsy (CP)98 | 2011 | 8-13 y | Original article | Sweden | Independent variable | Descriptive/ Correlational study |
| Do manual ability and fine motor function agree in different levels of the GMFCS?99 | 2011 |  | Conference presentation |  | Independent variable | Correlational study |
| Anisotropy of transcallosal motor fibres indicates functional impairment in children with periventricular leukomalacia100 | 2011 | 10-18 y | Original article | Germany | Sample descriptor |  |
| Randomized trial of constraint-induced movement therapy and bimanual training on activity outcomes for children with congenital hemiplegia101 | 2011 |  | Book section |  |  |  |
| Exploring the relationship of family goals and scores on standardized measures in children with cerebral palsy, using the ICF-CY102 | 2011 | 1-6 y | Original article | Sweden | Sample descriptor | Correlational study |
| Modified constraint-induced therapy for children with hemiplegic cerebral palsy: a randomized trial.103 | 2011 | 19 mo-7 y 10 mo | Original article | Australia | Sample descriptor | Experimental study |
| Upper limb function and deformity in cerebral palsy: a review of classification systems104 | 2011 |  |  |  | Informative | Review |
| Mirror therapy in children with hemiplegia: a pilot study.105 | 2011 |  | Book section |  |  |  |
| Agreement between parents and clinicians for the motor functional classification systems of children with cerebral palsy106 | 2011 | 4-18 y | Original article | Turkey | Psychometric testing | Measurement(Reliability)\* |
| Modified Constraint-Induced Movement Therapy combined with Bimanual Training (mCIMT-BiT) in children with unilateral spastic cerebral palsy: how are improvements in arm-hand use established?107 | 2011 |  | Book section |  |  |  |
| Emergent literacy activities, instructional adaptations and school absence of children with cerebral palsy in special education108 | 2011 |  | Original article | Nether-land | Independent variable | Descriptive/Correlational |
| The pediatric upper limb motion index: A quantitative analysis of upper limb function during the Reach & Grasp Cycle.109 | 2011 | 5-18 y | Conference presentation |  | Independent variable | Measurement study/ correlational study |
| Randomized trial of constraint-induced movement therapy and bimanual training on activity outcomes for children with congenital hemiplegia110 | 2011 | 5-16 y | Original article  | Australia | Sample descriptor | Experimental study |
| Time demands of caring for children with cerebral palsy: what are the implications for maternal mental health?111 | 2011 | 6-17 y | Original article | Australia | Sample description | Correlational study |
| Self-care activities in school-age children with cerebral palsy: Development and determinants.112 | 2011 | Mean: 6 y 3 mo | Conference presentation |  | Independent variable | Descriptive study |
| Development of daily activities in school-age children with cerebral palsy113 | 2011 | 6 y 3 mo | Original article | Nether-lands | Independent variable | Descriptive/Correlational study |
| Visual feedback of the non-moving limb improves active joint-position sense of the impaired Limb in Spastic Hemiparetic Cerebral Palsy114 | 2011 | Mean age: 12.6 y | Original study | United Kingdom | Independent variable | Descriptive |
| The determinants of daily function in children with cerebral palsy115 | 2011 | 4-15 y | Original article  | Taiwan | Independent variable | Descriptive |
| Development of handwriting skill in children with unilateral cerebral palsy (CP)116 | 2011 | 8-13 y | Original article | Sweden | Independent variable | Descriptive/Correlational study |
| Day-to-day variability of energy intake in young children with cerebral palsy.117 | 2011 | Mean: 2 y 4 mo | Conference presentation |  | Sample descriptor | Descriptive study |
| Modified constraint-induced therapy for children with hemiplegic cerebral palsy: a randomized trial118 | 2011 |  | Original article | Australia | Sample descriptor | Experimental study |
| Clinical Trial Research; Study Results from George Institute for Global Health Broaden Understanding of Clinical Trial Research119 | 2012 |  | Newsletter |  |  |  |
| Personal and environmental factors contributing to participation in romantic relationships and sexual activity of young adults with cerebral palsy120 | 2012 | 20-25 y | Original article | Nether-lands | Sample descriptor | Descriptive study |
| Effect of an intensive and sequenced rehabilitation protocol on the functional outcome after single event multilevel surgery in cerebral palsy.121 | 2012 | 5-15 y | Conference presentation |  | Dependent variable  | Experimental study |
| Tactile function in children with unilateral cerebral palsy compared to typically developing children122 | 2012 | 8-18 y | Original article | Australia | Sample description | Descriptive study |
| The pediatric upper limb motion index and a temporal-spatial logistic regression: quantitative analysis of upper limb movement disorders during the Reach & Grasp Cycle123 | 2012 |  | Original article  | United States | Psychometric testing (Standard criteria) | Measurement method |
| Quantification and comparisons of motion metrics for finger tapping performed by children with cerebral palsy before and after therapy with two motion tracking camera systems124 | 2012 |  | Dissertation | United States | Sample descriptor | Experimental study |
| Constraint-induced movement therapy for children with hemiplegia after traumatic brain injury: a quantitative study125 | 2012 | 8.8-12.9 y | Original article | Italy | Dependent variable  | Experimental study |
| Looking to the future: adolescents with cerebral palsy talk about their aspirations - a narrative study126 | 2012 | 14-16 y | Original article | Australia | Sample descriptor | Narrative Review (Qualitative study) |
| Clusters of daily functioning and classification levels: agreement of information in children with cerebral palsy127 | 2012 | 4-13 y | Original article | Brazil | Independent variable | Correlational study |
| Effectiveness of resistance training in combination with botulinum toxin-A on hand and arm use in children with cerebral palsy: a pre-post intervention study128 | 2012 | 9-17 y | Original article | Norway | sample descriptor | Experimental study |
| Botulinum toxin-a use in paediatric hypertonia: Canadian practice patterns129 | 2012 |  | Original article | Canada | Independent variable | Descriptive study |
| Vojta therapy for a 12 year-old child with cerebral palsy130 | 2012 | 12 y  | Case report | Germany | Dependent variable | Case study |
| Functional priorities in daily life for children and young people with dystonic movement disorders and their families131 | 2012 | 3-18 y | Original article | United Kingdom  | Independent variable | Descriptive/Correlational study |
| Corticospinal tract integrity and motor function following neonatal stroke: A case study132 | 2012 | 11 y | Case report | Australia | Sample descriptor | Case report |
| Inter-relationships of functional status in cerebral palsy: analyzing gross motor function, manual ability, and communication function classification systems in children133 | 2012 |  | Original article  | United States  | Independent variable | Correlational study |
| Group-based upper limb strength training in children with cerebral palsy: A prospective single group pilot study134 | 2012 | Mean: 8 y, 7 mo | Conference presentation |  | Sample descriptor | Experimental study |
| Planning and coordination of a reach–grasp–eat task in children with hemiplegia135 | 2012 | 4-10 y | Original article | United States | Sample descriptor | Descriptive study |
| Application of a hermeneutic phenomenologically orientated approach to a qualitative study136 | 2012 | 12-14 y | Original article | Australia | Sample descriptor | Qualitative study (Phenomenology) |
| Upper limb impairments and their impact on activity measures in children with unilateral cerebral palsy137 | 2012 | 5-15 y | Original article | Belgium | Independent variable | Descriptive |
| Arm and hand function in children with unilateral cerebral palsy: a one-year follow-up study138 | 2012 | 5-15 y | Original article  | Belgium | Independent variable | Descriptive – longitudinal study |
| Motion capture of the upper extremity during activities of daily living in patients with spastic hemiplegic cerebral palsy139 | 2012 | 20-59 y | Original article | Germany | Independent variable | Descriptive/ Correlational study |
| Therapy management of the upper limb in children with cerebral palsy: A cross-sectional survey140 | 2012 |  | Original article | Ireland  | Independent variable  | Descriptive study\* |
| Manual Ability Classification System (MACS); Evidence of stability over time.141 | 2012 | Mean: 6 y 6 mo | Conference presentation |  | Psychometric testing | Measurement\* |
| Exploration of the relationship between the Manual Ability Classification System and hand-function measures of capacity and performance142 | 2012 | 5-17 y | Original article | Sweden | Independent variable | Correlational study/ measurement |
| Predicting the Effects of Cerebral Palsy Severity on Self-Care, Mobility, and Social Function143 | 2012 | 0-19 y | Original article | United States | Sample descriptor | Measurement  |
| Reliable Classification of Functional Profiles and Movement Disorders of Children with Cerebral Palsy144 | 2012 | 4-11 y | Original article | Australia | Psychometric testing | Measurement(Reliability)\* |
| Twenty weeks of computer-training improves sense of agency in children with spastic cerebral palsy145 | 2012 | Mean: 11.6 | Original article  | Denmark |  Sample selection  | Experimental study |
| Impact of intensive upper limb rehabilitation on quality of life: a randomized trial in children with unilateral cerebral palsy146 | 2012 | 5-16 y | Original article  | Australia | Sample descriptor | Experimental study |
| Functional outcome of a new surgical approach in severe cerebral palsy (GMFCS IV and V).147 | 2012 | Mean: 9 y 6 mo | Conference presentation |  | Dependent variable  | Experimental study |
| Virtual reality based therapy for post operative rehabilitation of children with cerebral palsy148 | 2012 | Mean: 8.88 & 10.38 | Original article | India | Dependent variable  | Experimental study |
| A systematic evaluation of the effect of thumb opponens splints on hand function in children with unilateral spastic cerebral palsy149 | 2012 | 2-7 y  | Original article | Nether-land | Sample descriptor | Experimental study |
| The ICF-CY perspective on the neurorehabilitation of cerebral palsy: A single case study150 | 2012 | 12 y | Case study | Italy | sample descriptor | Case study |
| Agreement of classification systems in children with spastic cerebral palsy151 | 2012 | 4-15 y | Conference presentation |  | Independent variable | Correlational study |
| The Pediatric Motor Activity Log-Revised: Assessing real-world arm use in children with cerebral palsy152 | 2012 | 2-8 y | Original article | United States | Sample descriptor | Measurement |
| Assessment tools and classification systems used for the upper extremity in children with cerebral palsy153 | 2012 |  |  |  | Informative | Review |
| Motor learning curve and long-term effectiveness of modified constraint-induced movement therapy in children with unilateral cerebral palsy: A randomized controlled trial154 | 2013 | 2.5-8 y | Original article | Nether-lands | Sample descriptor | Experimental study |
| Functional priorities in daily life for children and young people with dystonic movement disorders and their families155 | 2013 | 3.5-18.1 y | Original article | United Kingdom | Sample descriptor |  Descriptive /correlational study |
| A multi-site study of functional outcomes following a themed approach to hand-arm bimanual intensive therapy for children with hemiplegia156 | 2013 | 7-15 y | Original article | Israel, United Kingdom | Sample descriptor | Experimental study |
| Assessment of upper-limb capacity, performance, and developmental disregard in children with cerebral palsy: validity and reliability of the revised Video-Observation Aarts and Aarts module: Determine Developmental Disregard (VOAA-DDD-R)157 | 2013 | 2.5 y -8 y | Original article | Nether-lands | sample descriptor | Measurement |
| Reliability and validity of the Korean version of the Manual Ability Classification System for children with cerebral palsy158 | 2013 |  | Original article | Korea | Psychometric testing | Measurement(Reliability study)\* |
| The Relationship Between Manual Ability and Ambulation in Adolescents with Cerebral Palsy159 | 2013 | 12-19 y | Original article | Canada | Independent variable | Correlational article |
| Relation among the gross motor function, manual performance and upper limb functional measures in children with spastic cerebral palsy160 | 2013 | Mean: 7.2 and 7.5 y | Original article | Korea | Independent variable | Descriptive/Correlational study |
| Cross-cultural validation of the Persian version of the Manual Ability Classification System for children with cerebral palsy161 | 2013 | 4-18 y |  | Iran  | Psychometric testing | Measurement(Reliability)\* |

Measurement\* - studies that explored the psychometric properties of the MACS, Measurement – studies that explored the psychometric properties of measures or tools other than the MACS, PT = Physiotherapist, OT = Occupational Therapist, GMFCS = Gross Motor Function Classification System, MACS = Manual Ability Classification System

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