

Year 2004-2005

Department of Prosthetics and Orthotics:

1. Modular Below Knee Prosthesis.
2. The Modular Above Knee Prosthesis.

Physical Medicine and Rehabilitation Development:

1. Early Surgical Intervention C P.
2. Deformity correction by Ilizarov method.
3. CTEV plaster technique by Ponseti method C P.
4. UMEX fixator method in neglected CTEV in the age group of 2 to 8 years.

Year 2005-2006

Department of Prosthetics and Orthotics:

1. Modular Below Knee Prosthesis.
2. The Modular Above Knee Prosthesis.

Year 2006-2007

Department of Prosthetics and Orthotics:

1. Modular Below Knee Prosthesis.
2. The Modular Above Knee Prosthesis.

Year 2007-2008

Department of Prosthetics and Orthotics:

1. Modular Below Knee Prosthesis.
2. The Modular Above Knee Prosthesis.

Department of Physiotherapy:

1. Effect of plaster cast immobilization in Tendo Achilles tightness in C P Children
2. Influence of lower limb motor function, balance and Respiratory muscle performance on Cardiovascular endurance in stroke patients
3. Physiotherapy protocol for the management of shoulder subluxation in low tone hemiplegia patients
4. Effect of wedges on weight bearing symmetry in chronic stroke patients.
5. Comparison of integrated neuromuscular in habitation technique on Myofascial trigger points.
6. Comparison of the non-invasive physiotherapeutic approaches in lumber segmental instability.
7. Comparative study of applied relaxation and multimodal treatment in computer operator with chronic neck pain.
8. Effects of 2 minutes and 10minuts of stretching on hamstring tightness in normal individuals-a comparative study.

Department Physical Medicine and Rehabilitation:

1. Early surgical intervention CP.
2. Deformity correction by Ilizarov method.
3. CTEV plaster technique by Ponseti method CP.

Department Prosthetics and Orthotics:

1. Modular Above Knee Prosthesis.
2. Use of the technology of modular bellow knee prosthesis.

Department of Occupational Therapy:

1. Effect of Arm Ergometer training on Cardiac endurance and functional status in adult treatment in tetraplegia.
2. Absence of 4th FDS in dominant hand as prediction of grip strength among normal young adult.
3. A method to measure reaching capacity of children with CP.

Department of Physiotherapy:

1. Comparison of the non-invasive Physiotherapeutic approaches in Lumber Spondylolisthesis.
2. Effects of Manual Therapy in the Management of VBI.
3. Effect of Lumber Mobilization on Hamstrings muscle flexibility in patient with non-specific Low back pain with unilateral radiation.
4. Effect of closed kinetics exercises in crouch gait CP.
5. Effect of medial arch support and medial arch support with Heel raise on angle in individual with symptomatic hyper pronated foot.
6. Effect of electrical stimulation in individuals with Truncal obesity.
7. Myofascial trigger point in head and neck muscle in headache.
8. Effect of balance training on functional outcome measure in patient with OA knee.
9. Effect of Iontophoresis in myofascial trigger point.
10. Physiotherapy management of adhesive capsulitis comparing to manual therapy technique.
11. Spinal shrinkage and recovery in persons with and without lumber disc herniation.
12. The effect of manual therapy in individuals with patellofemoral osteoarthritis.
13. Effectiveness of short leg cast and neuromuscular electrical stimulation on functional performance in spastic CP.

Department of Physical Medicine and Rehabilitation (PMR)

1. Calcaneal lengthening for Plano Valgus Feet – 23.
2. Metacarpal lengthening for thumb amputee in Congenital short thumb deformity – 11.
3. Congenital Vertical Talus – 12
4. Flap for Pressure Sores in SCI Patients – 25

Department of Prosthetics and Orthotics

1. Modular Above Knee Prosthesis
2. Modular Below Knee Prosthesis.
3. Single Axis Foot Ankle Assembly.
4. Modular Hip Disarticulation Prosthesis.

Research activities undertaken by Department of Physiotherapy

1. Mechanical Neck pain – A Comparison of Two Manual therapy techniques.
2. Comparison between effects of Muscle stretching and joint mobilization on pressure pain threshold of Upper trapezius latent trigger points in pain free subjects.
3. Effects of three different types of foot orthoses on angle of pelvic tilt in asymptomatic subjects with bilateral pronated feet.
4. Effect of cervicothoracic mobilization in distal radius fractures after plaster removal.
5. The efficacy of acupuncture versus manual therapy in patient with chronic non-specific Low back pain.
6. Comparison of efficacy of high voltage pulsed current and Iontophoresis in healing of pressure ulcers in patient with spinal cord injury.
7. Effects of physiotherapy protocol in patients with thoracolumbar junction syndrome.
8. Effects of weight bearing versus non weight bearing exercises in muscle strength and function outcome in patients with knee osteoarthritis.
9. Effect of balance retraining under cognitive task oriented condition on static and dynamic postural stability on patients with chronic Hemiplegia (>6 months).
10. Prevalence of Neck pain in computer professionals. Relationship of forward head posture with disability and severity of neck pain.

11. To compare the effectiveness of strength training and endurance training on wheelchair propulsion velocity in spinal cord injury (paraplegia).
12. Physiotherapy protocol in the management of spondylolisthesis.
13. Upper quadrant dysfunctions in low back pain with or without radiation – A correlation study.

Department of Occupational Therapy.

1. Clinical implication of limb length discrepancy in stroke: A case study.
2. Functional forearm stabilizer splint for C5 tetraplegics.
3. Graded Supinator Splint.
4. Effect of music therapy on play fullness of children with sensory processing disorder.
5. Influence of sensory motor activities protocol based on the theory of sensory integration on hand writing skills in children with ADHD.
6. Effect of scapular taping in upper extremity function and shoulder pain in adult hemiplegics.
7. Understanding perceived needs of the parents with developmental disabilities as partners in family centered care.
8. Effect of Developmental Coordination Disorder co morbidity in visual perceptual skill training in children with ADHD.
9. Effectiveness of balance training using visual feedback in improving ADL functions in stroke patients.
10. Comparative study: A static splinting and dynamic splinting on hand dexterity on post colles fracture.
11. Age related changes in ADL in children with diplegic CP.
12. Effect of fine motor activities in improving quality of upper extremity motor skills and ADL in spastic diplegic CP.
13. Effect of training with floor ladder on weight distribution and balance in unilateral BK amputee with prosthesis.
14. Effectiveness of trunk control training on ADL performance in adult stroke patients.

2010-2011

Research activities undertaken by Department of Physical Medicine and Rehabilitation (PMR)

1. Early surgical intervention in C.P.
2. Ilizarov instrumentation in multiplane deformity correction & lengthening.
3. CTEV plaster technique by ponseti method.

4. UMEX fixator method in neglected CTEV in the age group of 2 to 8 years.
5. LRS in deformity & difficult Pseudoarthrosis and lengthening of limb.
6. THR in AVN/End stage arthritis in young & adult.
7. Lasso procedure in Hansen's Claw deformity.

Department of Prosthetics and Orthotics

1. Modular Above Knee Prosthesis
2. Modular Below Knee Prosthesis

Department of Physiotherapy

1. Mechanical Neck pain – A Comparison of Two Manual therapy techniques
2. Effect of Cervico Thoracic Mobilization in distal radius fractures after plaster removal.
3. Effects of physiotherapy protocol in patients with thoracolumbar junction syndrome.
4. Physiotherapy protocol in the management of spondylolisthesis.
5. Upper quadrant dysfunctions in low back pain with or without radiation – A correlation study.

Department of Occupational Therapy

1. Effect of shoulder position along with therapeutic exercises on inferior subluxation of shoulder: A Case Report.
2. Graded Static Elbow Conformer Orthosis for Treatment of Elbow Flexion Contracture Due to Upper Motor Neuron Lesion: a Case Study.

2011-2012

Department of Physical Medicine and Rehabilitation (PMR)

1. Early surgical intervention in C.P.
2. Ilizarov instrumentation in multiplaner deformity correction & lengthening.
3. CTEV plaster technique by ponseti method.
4. UMEX fixator method in neglected CTEV in the age group of 2 to 8 years.
5. LRS in deformity & difficult Pseudoarthrosis and lengthening of limb.
6. THR in AVN/End stage arthritis in young & adult.
7. Lasso procedure in Hansen's Claw deformity.

Department of Prosthetics and Orthotics

1. Modular Above Knee Prosthesis.
2. Modular Below Knee Prosthesis.

Department of Physiotherapy

1. Effects of thoracic mobilization on respiratory parameters in patients with chronic low back pain.
2. Comparison of two quadriceps strengthening exercises in patients with osteoarthritis knee.
3. Comparison of trunk electrical stimulation and trunk strengthening exercises in improving postural control during sitting in children with spastic quadriplegia.
4. Effect of cervicothoracic mobilization in chronic mechanical neck pain.
5. A comparative study of two different types of electrical stimulation on strength gain in ankle dorsi flexors of hemiplegic patient.
6. Effect of task related circuit training on locomotor task performance (gait) in chronic stroke patients.
7. Effect of specific breathing exerciser protocol on respiratory and motor outcomes in patients with spastic cerebral palsy.
8. Prolapsed Intervertebral Disc –Comparison between two manual therapy approaches.
9. Efficacy of mobilization in unilateral incomplete sacralization in patients with low back pain.
10. Comparison of effectiveness of mobilization and prolonged loading for increasing flexion range in post-operative knee joint stiffness.
11. Effect of contrast bath on distal radius fracture immediately after cast removal.
12. Physiotherapy protocol in the management of spondylolisthesis.
13. Upper quadrant dysfunctions in low back pain with or without radiation – A correlation study.
14. Comparing the effect of manual therapy & conventional therapy in lumbar spondylosis with chronic low back pain.
15. Effect of TENS on spasticity & lower limb function in hemiparetic subjects.
16. Relationship of Levels of Mandibular Dysfunction with Forward Head Posture among Symptomatic Subjects.
17. The effect of cervicothoracic mobilization on patient's with supraspinatus tendonitis.

18. Comparison between maitland joint mobilization and soft tissue mobilization of subscapularis in improving gleno- humeral range of motion in patients with adhesive capsulitis.
19. Effect of hip abductor muscle strengthening and conventional physiotherapy in medial compartment knee osteoarthritis – a comparative study.
20. Comparison of biofeedback [visual, auditory] & conventional therapy in improving head control in children with spastic cerebral palsy.
21. Effect of electrical stimulation in reduction of shoulder subluxation in hemiplegia- a comparative study.
22. Comparison between the sustained static stretch and progressive static stretch for reducing the spasticity of hip adductors in spastic diplegic cerebral palsy.
23. Effect of ventilatory facilitation and chest wall development strategies in the improvement of trunk postural control in cerebral palsy children.
24. Comparison between two physiotherapeutic techniques in patients with spondylolisthesis.

Department of Occupational Therapy

1. The Effect of relaxation technique on the upper extremity functional task performance in stroke patient with depression.
2. Development of a protocol for management of Erb's Palsy.
3. Effect of adaptive sitting position on manual ability of children with CP.
4. A study on effect of (in vivo Vs simulation training) on acquisition of call making skills in moderate MR children.
5. Comparison between bimanual practice & strengthening program to improve.
6. Task oriented approach Vs Video modelling in developing tooth brushing skills among children with Autism: A comparative study.
7. Effect of training in independent wheelchair transfers & lower body dressing skills in paraplegics on Quality of life in primary care givers.
8. Effect of sensory diet on ASD children to improve playfulness.
9. Effect of CBT on depression in chronic traumatic SCI client.
10. Effect of Lycra Garment for the Upper Extremity on fine motor skills in children with spastic Diplegic CP.
11. Effect of two cognitive perceptual approaches (Transfer of Training & Affolter) on stroke patients and its impact on ADL: A comparative study.
12. To find out the effect of modified CIMT in OBPI children to improve upper extremity function.

13. Effect of Oral Sensory Therapy in controlling drooling in children with Spastic Diplegic CP.

2012-2013

Sl. No.	Research	Completion Status
Department of Prosthetics and Orthotics		
01	Modular Above Knee Prosthesis	Completed and the design handed over to ALIMCO
02	Modular Below Knee Prosthesis	Designed and developed By SVNIRTAR and manufactured by ALIMCO
Department of Physiotherapy		
03	Comparing the effect of manual therapy & conventional therapy in lumbar spondylosis with chronic low back pain	June 2011 – September 2012
04	Effect of TENS on spasticity & lower limb function in hemiparetic subjects	January 2011 – September 2012
05	Relationship of Levels of Mandibular Dysfunction with Forward Head Posture among Symptomatic Subjects	December 2010 – September 2012
06	The effect of cervicothoracic mobilization on patient's with supraspinatus tendonitis	January 2011 – September 2012
07	Effect of hip abductor muscle strengthening and conventional physiotherapy in medial compartment knee osteoarthritis – a comparative study.	December 2010 – August 2012

08	Comparison of biofeedback [visual, auditory] & conventional therapy in improving head control in children with spastic cerebral palsy	—
09	Effect of electrical stimulation in reduction of shoulder subluxation in hemiplegia- a comparative study	December 2010- August 2012
10	“Comparision between the sustained static stretch and progressive static stretch for reducing the spasticity of hip adductors in spastic diaplegic cerebral palsy”.	January2011- September 2012
11	Effect of ventilatory facilitation and chest wall development strategies on improvement of trunk postural control in cerebral palsy children.	November 2010 – August2012
12	Comparison between two physiotherapeutic techniques in patients with spondylolisthesis	January2008–May 2012
13	Upper quadrant dysfunctions in low back pain with or without radiation-A correlation study:	December2010- September2011
Department of Occupational Therapy		
14	Effect of Handle technique & SI intervention on children with Autism: A comparative study.	July 2009 – July 2012
15	A study to find the relationship between the weight bearing rate on the paretic side & balance in independently ambulating hemiparetic clients in the Indian population.	January 2010-July 2012
16	A comparative study between task related circuit training & target oriented balance training to improve balance & its effect on function & mobility in chronic stroke patients.	January 2011-January2013
17	Interrater reliability of bimanual hand function evaluation scale in normally developing children.	May 2012- December 2012
18	Developed on Orthotic device to enhance Tenodesis function of hand in Tetraplegics.	July 2011-October2012

19	Assistive feeder	January 2011-July2012
20	Receprocal crawler	February 2012 - December2012
21	Effect of adaptive sitting position on manual ability of children with CP	April 2011 – July 2012
22	A study on effect of (in vivo vs simulation training) on acquisition of call making skills in moderate MR children.	February 2011-June2012
23	Comparison between bimanual practice & strengthening program to improve upper extremity motor function in stroke.	April 2011 – August2012
24	Task oriented approach vs video modeling in developing tooth brushing skills among children with Autism: A comparative study.	January 2011-May2012
25	Effect of training in independent wheelchair transfers & lower body dressing skills in paraplegics on quality of life of primary care givers.	April 2011 – August2012
26	Effect of sensory diet on ASD children to improve playfulness.	May 2011 – July2012
27	Effect of CBT on depression in chronic traumatic SCI client	March 2011 – May2012
28	Effect of Lycra Garment for the upper extremity on fine motor skills in children with spastic diplegic CP.	April 2011-June2012
29	Effect of two cognitive perceptual approaches (Transfer of training & Affolter) on stroke patients & its impact on ADL: A comparative Study.	April 2011-June2012
30	To find out the effect of modified CIMT in OBPI children to improve upper extremity function.	April 2011-August2012
31	Effect of oral sensory therapy in controlling drooling in children with spastic diplegic CP.	April 2011-June2012

details are mentioned below.

Sl. No.	Research	Current Status
Department of Physical Medicine and Rehabilitation		
01	Early surgical intervention in C.P.	Duration will be two years (approx.).
02	Ilizarov instrumentation in multiplaner deformity correction & lengthening	Likely to continue for another five years
03	CTEV plaster technique by ponseti method	Likely to continue for another two years
04	UMEX fixator method in neglected CTEV in the age group of 2 to 8 years	Likely to continue for another five years
05	LRS in deformity & difficult Pseudoarthrosis and lengthening of limb	Likely to continue for another three years
06	THR in AVN/End stage arthritis in young & adult	Study duration will be five years
07	—	Likely to continue for another two years/as long as desired by Govt. of India.
Department of Physiotherapy		
08	Correlation of hip, knee & ankle strength & spasticity on gait performance in individual with stroke	January 2011 – Continuing
09	The effect of thoracic-lumber mobilization on chronic ankle and foot pain	March 2011 – Continuing
10	Effect of passive cycling in lower limb spasticity in stroke patient	April 2011- Continuing
11	The effect of chronic low back pain on respiratory parameter	March 2011 – Continuing
12	Effect of Iontophoresis and Manual therapy on Pressure Pain Threshold and cervical side flexion ROM in subject with upper trapezius trigger point	April 2011- Continuing
13	Correlation of aging, lesion location, cognition and perception of verticality with dynamic balance in chronic hemiplegics	April 2011- Continuing

14	Identifying most common problems in functioning in low back pain patients in indian setup using the international classification of functioning, disability and health as a reference	May 2011- Continuing
15	Compare effect of two Core Stabilization - directed to trunk muscle vs breathing with upper limb exercise, in treatment of Chronic Low Back Pain	April 2011- Continuing
16	Effect of trunk muscle training with SEBT grid in patients with chronic low back pain	May 2011- Continuing
17	Effect of vestibular stimulation on standing balance in spastic diplegic cerebral palsy	March 2013- Continuing
18	Effect of auditory & visual biofeedback with sensory-level electrical stimulation of the tibialis anterior muscle on active rom & selective motor control of ankle of children with spastic cerebral palsy	March 2013- Continuing
19	Effects of static cycling versus outdoor cycling on balance, endurance and walking ability of children with cerebral Palsy – A comparative study	March 2013- Continuing
20	Comparative study of disability percentage by ministry of social justice and empowerment and ICF in low back pain	March 2013- Continuing
21	Effect of sustained static passive stretch on the reduction of spasticity in spastic cerebral palsy	March 2013- Continuing

Department of occupational therapy

22	Comparison between MCIMT and motor imagery on affected Lt. upper extremity in chronic stroke.	April 2012 – Continuing
23	A functional evaluation tool for obstetric brachial plexus palsy: Bimanual hand function evaluation scale	March – 2012 Continuing
24	Effect of sensory diet through outdoor play on functional behavior in children with ADHD	January 2012 – Continuing
25	To compare the effect of verbal & videotape feedback on upper body dressing skills of stroke survivor	April -2012 Continuing

26	Effect of repeated muscle vibration on standing balance in children with spastic diplegic cerebral palsy.	May- 2012 Continuing
27	Effect of inhibitive weight bearing splint on hand function in stroke survivors – A comparative study.	April-2012 Continuing
28	Effect of wrist and thumb kinesiotaping on functional grasp in children with spastic hemiplegic cerebral palsy presenting thumb in palm position.	February-2012Continuing
29	Effectiveness of combined approach of Cranio- Sacral Therapy (CST) & sensory – integration therapy (SIT) on reducing symptoms in children with Autism.	April 2012 – Continuing
30	Effect of leg ergometer on balance & functional mobility in chronic stroke patients.	March 2012 – Continuing
31	Effect of elicited imitation techniques along with sensory integration therapy on socialization in autistic children.	February 2012 – Continuing
32	Impact of spinal cord injury on sexual expression in group of Indian male.	March 2012 –Continuing
33	Comparison between single task and dual task training on functional mobility in post stroke patients.	April 2012 – continuing
34	The effect of constraint induced movement therapy (CIMT) and Hand Arm Bimanual intensive therapy (HABIT) in improving hand function among children with hemiplegic cerebral palsy.	January2012 –Continuing
35	Effect of conducting education on gross motor skills of children with spastic Diplegic	March 2012 – continuing

... by Department of Physical Medicine and

Department of Physical Medicine and Rehabilitation (PMR)

1. Early surgical intervention in C.P.
2. Ilizarov instrumentation in multiplaner deformity correction & lengthening.
3. CTEV plaster technique by ponseti method.
4. UMEX fixator method in neglected CTEV in the age group of 2 to 8 years.
5. LRS in deformity & difficult Pseudoarthrosis and lengthening of limb.
6. THR in AVN/End stage arthritis in young & adult.
7. Lasso procedure in Hansen's Claw deformity.

Department of Prosthetics and Orthotics

1. Modular Above Knee Prosthesis.
2. Modular Below Knee Prosthesis.

Department of Physiotherapy

1. Correlation of Hip, Knee & Ankle Strength & spasticity on gait Performance in individual with stroke.
2. Effect of passive cycling movement in lower limb on spasticity in stroke patient.
3. Low back pain and its relation with duration and comparison of lung function of normal and chronic severity of chronic Low back pain.
4. The effect of iontophoresis and manual therapy on pressure pain threshold and cervical side flexion ROM in subject with upper trapezius trigger point.
5. Correlation of aging, lesion location, cognition and perception of verticality with dynamic balance in chronic hemiplegics.
6. Identification of aspects of functioning, disability and health relevant to patients experiencing low back pain: a qualitative study using the international classification of functioning, disability and health.

7. Compare effect of two core stabilization- directed to trunk muscle vs. breathing with upper limb exercise, in treating of chronic low back pain.
8. The effect of trunk muscle training with SEBT GRID in patients with chronic low back pain.
9. The effect of vestibular stimulation on standing balance in spastic paraplegic C.P.
10. The effect of auditory and visual biofeedback with sensory- level electrical stimulation of the tibialis anterior muscle on active rom and selective motor control of the ankle of children with spastic cerebral palsy.
11. The effect of static cycling vs outdoor cycling on balance, endurance and walking ability of children with cerebral palsy-: A comparative study.
12. Comparative study of disability percentage by MOSJ&E and ICF in low back pain.
13. Comparison of effects of TRICEP SURAE stretching by TS stretching device vs manual stretching in spastic CP paraplegics.
14. The effect of thoracic and thoraco-lumbar mobilization on chronic ankle and foot pain.
15. Effect of physiotherapy on functional outcome measure in hemiplegia due to stroke.
16. Effect of whole body vibration on spasticity, balance and gait speed in children with spastic paraplegic cerebral palsy.
17. Effectiveness of stationary bicycle exercise program for improving functional performance and endurance in chronic low back pain.
18. Assessing functioning, disability and environmental factors with the comprehensive ICFcore set for low back pain and its validation.
19. Relationship between isokinetic and clinical measurement of spasticity in patients with spinal cord injury.
20. Correlation between trunk muscle strength and chronic low back pain male patients.

21. Pulmonary function testing in spinal cord injury patients.
22. Effect of passive elongation of scapula retractions on neck control in children with spastic cerebral palsy.
23. Effect of arm training to improve postural control in spastic diaphragmatic cerebral palsy.
24. Effect of ischaemic compression and muscle energy technique to quadratus lumborum muscle in chronic low back pain.
25. Effect of functional electrical stimulation on gait velocity and functional ability of stroke patients.
26. Functional assessment in chronic low back pain patients-A correlation study between four scales.
27. Effect of cervicothoracic mobilization on shoulder pain and functional independence in spinal cord injury patients.
28. Effect of endurance training protocol on functional ability in children with spastic diaphragmatic cerebral palsy.
29. A comparison of two functional scales with measures of disability and quality of life in stroke patients.
30. A comparison of various therapeutic exercises on the functional outcome in patients with knee osteoarthritis.
31. Effects of physioball and plinth trunk exercises on trunk control and functional balance in chronic stroke patients.
32. Will prescription of modified bicycle in place of wheelchair change the functionality of children with C.P.

Department of Occupational Therapy

1. Comparison between the effect of MCIMT and motor imagery technique on affected left upper extremity in chronic stroke.
2. A Functional evaluation tool for obstetric brachial plexus palsy: Bimanual hand function evaluation scale.

3. Effect of sensory diet through outdoor play on functional behaviour in children with ADHD.
4. To compare the effect of verbal & videotape feedback on upper body dressing skills of male stroke survivors.
5. The effect of repeated muscle vibration on standing balance in children with spastic diplegic cerebral palsy.
6. Effect of inhibitive weight bearing splint on hand function in stroke survivors – A comparative study.
7. The effect of wrist and thumb kinesio taping on functional grasp in children with spastic hemiplegic cerebral palsy presenting thumb in palm position.
8. Effectiveness of combined approach of Craniosacral Therapy (CST) & sensory –integration therapy (SIT) on reducing symptoms in children with Autism.
9. Effect of leg ergometer on balance & functional mobility in chronic stroke patients.
10. Effect of elicited imitation techniques along with sensory integration therapy on socialization in autistic children.
11. Impact of spinal cord injury on sexual expression in group of Indian male.
12. Comparison between single task and dual task training on functional mobility in post stroke patients.
13. The effect of constraint induced movement therapy (CIMT) and hand arm bimanual intensive therapy (HABIT) in improving hand function among children with hemiplegic cerebral palsy.
14. Effect of conductive education on gross motor skills of children with spastic diplegic.
15. The effect of delayed reinforcement along with sensory integration intervention on waiting behavior in children with ADHD.
16. Effect of brain Gym along with sensory integration therapy on attention in children with ADHD and ADD.
17. Relationship between status of bladder control and quality of life in persons with traumatic paraplegia.
18. Effect of splinting and passive range of motion exercise on spasticity in hemiplegic hand – A comparative study.
19. A comparison between the effect of strengthening exercise & strengthening activities on functional ability and gait in spastic diplegic cerebral palsy.
20. Comparison of motor relearning programme (MRP) & neuro developmental therapy (NDT) in restoring upper extremity functions in stroke patients.

21. Effect of cognitive strategies on gross motor skill learning in cerebral palsy population.
22. Effect of loaded sit to stand resistance exercise on walking speed and balance in chronic stroke patients.
23. Effect of wheelchair skills training on quality of life in traumatic paraplegics.
24. To compare the effect of cold therapy versus inhibitive weight bearing splint on hand functions in children with spastic diplegic Cerebral Palsy.
25. Functional electrical stimulation: retraining hand function in spinal cord injury.
26. Effect of Sensory diet on children with sensory processing disorders (SPD) having sleep problems.

2014-2015

Department of Prosthetics and Orthotics

1. Modular above Knee Prosthesis.
2. Modular below Knee Prosthesis

Department of Physiotherapy

1. Effect of Whole body vibration on spasticity, balance and gait speed in children with spastic diplegic cerebral palsy.
2. Effectiveness of stationary bicycle exercise program for improving functional performance and endurance in chronic low back pain.
3. Assessing functioning, disability and environmental factors with the comprehensive ICF core set for Low back pain and its validation.
4. Relationship between isokinetic and clinical measurement of spasticity in patients with spinal cord injury.
5. Effect of disease specific conservative treatment on trunk muscle strength in males with chronic low back pain.
6. Pulmonary function testing in spinal cord injury patients.
7. Effect of passive elongation of scapula retractors on neck control in children with spastic cerebral palsy.
8. Effect of arm training to improve postural control in spastic diplegic cerebral palsy.
9. Effect of ischaemic compression and muscle energy technique to quadratus lumborum muscle in chronic low back pain.
10. Effect of functional electrical stimulation on gait velocity and functional ability of stroke patients.

11. Functional assessment in chronic low back pain patients- a correlation study between four scales.
12. Effect of cervicothoracic mobilization on shoulder pain and functional independence in spinal cord injury patients.
13. Effect of endurance training protocol on functional ability in children with spastic diplegic cerebral palsy.
14. A comparison of two functional scales with measures of disability and quality of life in stroke patients.
15. A comparison of various therapeutic exercises on the functional outcome in patients with knee osteoarthritis.
16. Effects of physioball and plinth trunk exercises on trunk control and functional balance in chronic stroke patients.
17. Upper quadrant dysfunctions in low back pain with or without radiation – a correlation study.
18. Translation of research evidence to clinical practice via social media.
19. Sacralization and PIVD – an association study.
20. The effect of extracorporeal shock wave therapy on lower limb spasticity in sub-acute stroke patient.
21. Types of wheelchair available in India and the necessary modifications required in the current manually operated wheelchair.
22. Measuring patterns of disability using ICF in post-acute stroke rehabilitation.
23. Comparison of radial shock waves and conventional physiotherapy in treating plantar fasciitis.
24. Effectiveness of exercise protocol for facilitation of trunk control in stroke patients.
25. Effect of stretching the posterior structures of shoulder in impingement syndrome.
26. Effects of combination of resistance and endurance training of lower limb muscles by motomed bicycle for spastic diplegic cp children.
27. Effect of neuromuscular electrical stimulation of gluteus Maximus and quadriceps on cerebral palsy children with crouch gait.
28. Effects of muscle energy technique and shockwave therapy on pain and pressure pain threshold in upper trapezius myofascial trigger point.
29. Effect of cervico-thoracic mobilization on shoulder pain and functional independence in spinal cord injury patients.
30. A comparison between mulligan traction straight leg raise technique vs dynamic soft tissue mobilisation technique on hamstring tightness in asymptomatic male.
31. Effect of ventilatory facilitation on chest expansion and pulmonary functions of children with spastic cerebral palsy.
32. Effect of cervico-thoracic mobilization on hemiplegic shoulder pain in patients with impingement syndrome due to supraspinatus tendonitis” – an experimental study.
33. Effect of electrical stimulation on trunk extensors strength in children with cerebral palsy.
34. Identification of factors in recovery and quality of life in spinal cord injury.

35. Effect of physiotherapy on functional outcome measure in hemiplegia due to stroke.
36. Effect of passive back extension with snag and mckenzie back extension in lumbar p/vid patients - a comparative study.
37. Role of piriformis and iliopsoas in coccydynia.
38. Comparative effectiveness of isometric, isotonic, isokinetic strengthening exercises of quadriceps muscle in normal subjects.
39. Occupational and environmental factors hazard health of it professionals.
40. Comparison of expiratory muscle training using incentive spirometer vs static abdominals in patient with traumatic paraplegia.
41. Effect of isokinetic strengthening of lower limb muscles on gait in hemiplegia due to stroke.
42. Effect of exercise therapy on walking ability and stair climbing in individuals with knee osteoarthritis.
43. Effects of pulsed electromagnetic fields for treating osteoarthritis Of knee joint.
44. Breathing exercises along with conventional therapy in patients with chronic low-back pain.
45. Comparison of effect of wobble board training and whole body vibration in imbalance of stroke patients.
46. Effect of kinesio taping on abdominal muscles in cerebral palsy children with difficulty in supine to sit transition.
46. Quality of life of cerebral palsy.
47. Trunk control over the physio ball and plinth exercise to improve trunk in spastic diplegic CP.
48. Whether there is a change in risk factor for onset of CVA in last 5 years.
49. Effectiveness of mirror box therapy in rehabilitation of hand function in sub-acute stroke.
50. Effect of accessory respiratory muscles strengthening, intercostal muscles fascilitation and the diaphragm stabilisation in breathing pattern of spastic quadriplegic CP.
51. Effect of upper arm ergometer training program and on wheelchair propulsion endurance for patients with paraplegia.

Department of Occupational Therapy

1. To compare the effect of cold therapy versus inhibitive weight bearing splint on hand functions in children with spastic diplegic cerebral palsy.
2. Comparison of motor relearning program (mrp) and neuro developmental therapy (net) in restoring upper extremity motor functions in stroke patients.
3. Effect of sensory diet on children with sensory processing disorders (spd) having sleep problems.
4. Effect of mirror therapy in lower extremity motor function following stroke.
5. Effect of brain gym along with sensory-integration therapy (sit) on attention children with ADHD and ADD.
6. Effect of loaded sit to stand resistance exercise on walking speed and balance in chronic stroke patients.
7. The combined effect of sensory integration intervention and Applied Behaviour Analysis in controlling Impulsivity in ADHD.
8. Relationship between Status of Bladder Control and Quality of Life in persons with Traumatic Paraplegia.
9. A comparison between the effect of strengthening exercises and strengthening activities on functional ability and gait in spastic diplegic cerebral palsy.
10. Compare the effect of hand splinting and stretching exercise to reduce the spasticity and improve the function in post stroke Hemiplegic hand.
11. Effect of wheelchair skills training on quality of life in traumatic paraplegics.
12. Effect of Cognitive strategies on gross motor skill learning in cerebral palsy.
13. Effect of trunk strengthening exercises on upper body dressing in hemiplegic patient.
14. Effect of CIMT and bimanual co-ordination during a goal directed task on improvement of upper extremity functioning in hemiplegics- A comparative study.
15. Comparative study between the effect of vestibular stimulation and oral motor therapy on speech in autistic children.
16. Effect of sensory Integration therapy to improve quality of life on Diplegic cerebral palsy.
17. Effect of vibration on Drooling control in cerebral palsy children.
18. Development of care givers burden scale (CBS) with Neurological Ill PwD for Indian population.
19. A comparative study on the effect of Oral sensory diet with the combination of oral sensory diet with the combination of oral sensory diet and behavioral Therapy on feeding skills in ASD.

20. Effectiveness of oromotor techniques (OMT) to optimize feeding in spastic diplegic CP.
21. To investigate the dual Task training for improvement of balance in stroke patients.
22. The combined effect of Frekel's exercises and talking pen between patients with parkinson's disease and traumatic brain injury on hand dexterity- A comparative study.
23. A study to find out the effect of fine motor activities based on sensory motor approach on handwriting skill of Diaplegic Cerebral Palsy.
24. Effect of a supination splint on upper limb function of cerebral palsy children after botulinum toxin A.
25. A comparative study to see the effect of proprioceptive neuromuscular facilitation technique versus strengthening activity.
26. Effect of mirror therapy on balance in children with hemipartic cerebral palsy.
27. Effect of relaxation therapy on standing balance and mobility in stroke patients.

2015-2016

DEPARTMENT OF PHYSICAL MEDICINE AND REHABILITATION

- 1. Early surgical intervention in Cerebral Palsy**
- 2. Deformity Correction by Illizarov method**
- 3. CTEV Plaster technique by Ponseti method**
- 4. UMEX Fixator Method for neglected CTEV age 2 to 8.**

DEPARTMENT OF PHYSIOTHERAPY

1. TRANSLATION OF RESEARCH EVIDENCE IN TO CLINICAL PRACTICE VIA SOCIAL MEDIA.
2. EFFECTS OF COMBINING STRENGTH AND ENDURANCE TRAINING PROGRAMME OF LOWER LIMB MUSCLES BY MOTOMED BICYCLE FOR CHILDREN WITH SPASTIC DIPLEGIC CEREBRAL PALSY
3. COMPARISON OF TWO TREATMENT TECHNIQUES: SHOCKWAVE THERAPY AND ISCHEMIC COMPRESSION IN SUBJECTS WITH UPPER TRAPEZIUS MYOFASCIAL TRIGGER POINT.

4. EFFECT OF CERVICO-THORACIC MOBILIZATION ON HEMIPLEGIC SHOULDER PAIN WITH SUPRASPINATUS TENDONITIS DUE TO IMPINGEMENT SYNDROME – AN EXPERIMENTAL STUDY
5. SACRALIZATION AND PROLAPSED INTERVERTEBRAL DISC-AN ASSOCIATION STUDY
6. EFFECT OF NEUROMUSCULAR ELECTRICAL STIMULATION ON GLUTEUS MAXIMUS AND QUADRICEPS IN CEREBRAL PALSY CHILDREN WITH CROUCH GAIT.
7. COMPARISON OF RADIAL SHOCKWAVE AND THERAPEUTIC ULTRASOUND IN TREATING PLANTAR FASCITIS.
8. TO COMPARE THE EFFECTS OF THE THREE MANUAL TECHNIQUES IN PATIENT WITH SHOULDER IMPINGEMENT SYNDROME
9. IDENTIFICATION OF FACTORS ON RECOVERY AND QUALITY OF LIFE IN SPINAL CORD INJURY
10. EFFECTS OF EXERCISE PROTOCOL FOR FACILITATION OF TRUNK CONTROL & IMPROVE BALANCE IN STROKE PATIENTS
11. EFFECT OF VENTILATORY FACILITATION ON CHEST EXPANSION AND PULMONARY FUNCTIONS IN CHILDREN WITH SPASTIC CEREBRAL PALSY
12. EFFECT OF ERECTOR SPINAE ELECTRICAL STIMULATION ON TRUNK CONTROL IN CHILDREN WITH SPASTIC DIPLEGIC CEREBRAL PALSY
13. THE EFFECT OF EXTRACORPOREAL SHOCK WAVE THERAPY ON PLANTER FLEXOR SPASTICITY IN SUBJECTS WITH HEMIPLEGIA DUE TO STROKE
14. A COMPARATIVE STUDY OF MULLIGAN TRACTION STRAIGHT LEG RAISING AND DYNAMIC SOFT TISSUE MOBILIZATION TO INCREASE HAMSTRING FLEXIBILITY
15. EXPLORING THE IMPACT OF MANUAL WHEELCHAIR DESIGN ON USER'S SATISFACTION AND FUNCTION IN INDIVIDUALS WITH SPINAL CORD INJURY

16. THE RELATIONSHIP BETWEEN THE FUNCTIONAL INDEPENDENCE MEASURE AND INTERNATIONAL CLASSIFICATION OF FUNCTIONING, DISABILITY
17. EFFECT OF PERISCAPULAR MUSCLES STRETCHING IN REDUCING PAIN IN SUBJECTS WITH SUBACUTE AND CHRONIC LUMBAR PROLAPSED INTERVERTEBRAL DISC
18. COMPARATIVE EFFECTIVENESS OF ISOMETRIC, ISOTONIC, ISOKINETIC EXERCISES ON STRENGTH AND FUNCTIONAL PERFORMANCE OF QUADRICEPS MUSCLE IN NORMAL SUBJECTS
19. Risk factor responsible for MUSCULOSKELETAL DISORDERS in Computer Operators.
20. COMPARISON OF EXPIRATORY MUSCLE TRAINING USING INCENTIVE SPIROMETER Vs STATIC ABDOMINALS IN PATIENTS WITH TRAUMATIC PARAPLEGIA.
21. COMPARISON OF EFFECT OF ISOKINETIC STRENGTHENING OF LOWER LIMB MUSCLES ON GAIT WITH FUNCTIONAL STRENGTHENING IN HEMIPARESIS DUE TO STROKE
22. COMPARATIVE EFFECTIVENESS OF PATELLOFEMORAL MOBILISATION, STRETCHING AND STRENGTHENING ON WALKING ABILITY AND STAIR CLIMBING IN SUBJECTS WITH OSTEOARTHERITIC KNEE.
23. COMPARISON BETWEEN THE EFFECTS OF BREATHING AND AEROBICS EXERCISE ON GENERAL HEALTH AND ENDURANCE OF HEALTHY INDIVIDUAL.
24. COMPARISON OF EFFECT OF WHOLE BODY VIBRATION AND WOBBLE BOARD TRAINING ON THE BALANCE OF STROKE PATIENT DUE TO HEMIPLEGIA
25. EFFECT OF VESTIBULAR STIMULATION VERSUS WHOLE BODY VIBRATION ON STANDING BALANCE IN SPASTIC CEREBRAL PALSY CHILDREN
26. COMPARISON BETWEEN FUNCTIONAL STRENGTHENING EXERCISES AND NEUROMUSCULAR-ELECTRICAL STIMULATION OF GLUTEUS MAXIMUS TO IMPROVE PELVIC OBLIQUITY IN CHILDREN WITH CEREBRAL PALSY
27. RETROSPECTIVE STUDY REGARDING EPIDEMIOLOGY OF STROKE & RISK FACTORS:
28. MIRROR BOX THERAPY FOR REHABILITATION OF HAND FUNCTION AFTER STROKE.

29. THE EFFECT OF STRENGTH AND ENDURANCE TRAINING OF UPPER LIMB BY ARM ERGOMETER ON TRUNK CONTROL OF CHILDREN WITH CEREBRAL PALSY.
30. COMPARISON OF TWO TYPES STRENGTHENING EXERCISES IN UPPER LIMB FOR IMPROVING WHEELCHAIR PROPULSION IN PARAPLEGICS.
31. EFFECT OF NEUROMUSCULAR ELECTRICAL STIMULATION ON WRIST EXTENSORS TO IMPROVE HAND FUNCTION IN SPASTIC CEREBRAL PALSY.
32. ROLE OF PIRIFORMIS AND ILIOPSOAS IN COCCYDYNIA
33. QUALITY OF LIFE IN CEREBRAL PALSY
34. COMPARISON BETWEEN EFFECT OF LOW LEVEL LASER THERAPY AND MAITLAND MOBILISATION ON PAIN AND RANGE (FLEXION, EXTERNAL ROTATION AND ABDUCTION) IN PATIENTS WITH FROZEN SHOULDER.
35. COMPARATIVE STUDY ON CERVICAL SPINE MOBILIZATION VERSUS THORACIC SPINE MANIPULATION IN SUBJECTS WITH CERVICAL SPONDYLOSIS.
36. EFFECTIVENESS OF A PHYSIOTHERAPY PROTOCOL IN PATIENT WITH ANKYLOSING SPONDYLITIS.
37. COMPARISON OF MULLIGAN MOBILIZATION WITH MOVEMENT AND END RANGE MOBILIZATION FOLLOWING MAITLAND TECHNIQUE (PA GLIDE) IN PATIENTS WITH PRIMARY ADHESIVE CAPSULITIS IN IMPROVING MOBILITY OF INTERNAL ROTATION RANGE OF MOTION.
38. TO COMPARE THE EFFECT OF BODY WEIGHT SUPPORTED TREADMILL TRAINING (BWSTT) OVER CONVENTIONAL GAIT TRAINING IN PATIENTS WITH STROKE.
39. EFFECT OF TREADMILL TRAINING WITH INCLINATION ON FACILITATION OF DORSIFLEXORS IN CHILDREN WITH CEREBRAL PALSY.
40. EFFECT OF UPPER LIMB VIBRATION ON REACHING AND SPASTICITY IN CHILDREN WITH CEREBRAL PALSY.
41. COMPARISON OF BODYWEIGHT SUPPORTED TREADMILL TRAINING VERSUS BODY-WEIGHT SUPPORTED OVERGROUND TRAINING TO IMPROVE FUNCTIONAL AMBULATION IN CHILDREN WITH SPASTIC CEREBRAL PALSY.
42. EFFECTIVENESS OF AEROBIC EXERCISES IN CHILDREN WITH CEREBRAL PALSY.
43. EFFECT OF REPETITIVE ARM CYCLING IN REDUCING SPASTICITY AND IMPROVING MOTOR PERFORMANCE IN STROKE PATIENTS.

- 44.COMPARING THE EFFECT OF GROUP AEROBICS VS INDIVIDUAL AEROBICS FOR STRESS MANAGEMENT AND CARDIORESPIRATORY ENDURANCE IN TRAUMATIC PARAPLEGIC PATIENTS
- 45.EFFECT OF ASSISTIVE DEVICE IN RATE OF RECOVERY OF HEMIPLEGIC HAND – EXPERIMENTAL STUDY.
- 46.COMPARISON BETWEEN THE EFFECT OF “SEGMENTAL STABILISATION” EXERCISES COBINED WITH THORACIC MOBILIZATION & CONVENTIONAL EXERCISES IN CHRONOC LOW BACK PAIN PATIENTS.
- 47.SWIMMING AS A HYDROTHERAPEUTIC INTERVENTION FOR THE TREATMENT OF NON-SPECIFIC LOW BACK PAIN.
- 48.EFFECTIVENESS OF THORACOLUMBAR FASCIAE RELEASE IN CHRONIC MECHANICAL LOW BACK PAIN DUE TO SPINAL DYSFUNCTION.

DEPARTMENT OF OCCUPATIONAL THERAPY

1. Effect of vestibular stimulation and oral motor therapy on speech in children autism: A comparative study.
2. A study to find the effect of fine motor activities based on sensory motor approach on handwriting skill of diplegic cerebral palsy.
3. A study to see the effect of proprioceptive neuromuscular facilitation technique versus strengthening exercise programme on hand dexterity in Colle’s fracture.
4. The effect of oral sensory diet alone with the combination of oral sensory diet and behavioral therapy on feeding skills in autism spectrum disorder (ASD): A comparative study.
5. The effect of dual task training for improvement of balance in stroke patient.
6. A comparison between the effect of Frankel’s exercise and talking pen in patient with Parkinson’s disease in hand dexterity.
7. Effect of vibration on drooling control in cerebral palsy children.
8. Development and validation of Caregiver’s burden scale- Indian population.
9. Effect of relaxation therapy on standing balance and mobility among stroke patients.

10. Effect of m- CIMT and bimanual Co-ordination during a goal directed task on improvement of upper extremity function in hemiplegics.
11. Effect of three soft supination splint on hand function in hemiplegic cerebral palsy.
12. Effect of sensory integration therapy to improve quality of life on diplegic cerebral palsy.
13. Effectiveness of trunk strengthening exercise protocol to improve trunk balance in chronic male stroke patient.
14. Effect of Oro-motor techniques (OMT) to optimize feeding in spastic diplegic cerebral palsy.
15. Comparative study between bilateral arm training and using augmented feedback to develop motor performance in upper extremity in stroke patients.
16. Comparing the effect of proprioceptive retraining technique vs home exercise programme in improving hand functions in RA patients.
17. Effectiveness of modified constraint induced movement therapy and bimanual intensive therapy on upper extremity function in children with obstetric brachial plexus injury.
18. Prevalence of upper limb pain in SCI patients after long term manual wheelchair users and its effect on activities of daily living.
19. The effect of neuro developmental treatment along with sensory integration therapy and neuro developmental treatment on standing in children with diplegic cerebral palsy.
20. Effect of repeated muscle vibration to improve gait in stroke survivors.
21. Effect of neuro-functional approach on instrumental activities of daily living in stroke survivors.
22. Effect of sensory re- education of hand on dressing ability in stroke patient.
23. Application of the spacing effect to improve motor learning for balance and gait in stroke.
24. Comparison of task oriented approach versus proprioceptive neuromuscular facilitation technique on functional ambulation in stroke patients.
25. Effect of neuro developmental therapy on selective motor control of lower extremity in children with spastic diplegic cerebral palsy.
26. Effectiveness of theory of mind along with sensory integration therapy on reducing repetitive and stereotyped behaviour in children with autism.
27. A study on visual perceptual profile in children with spastic diplegic cerebral palsy.
28. Effectiveness of visual schedule in combination with sensory integration therapy in developing self-care in children with autism.
29. Effect of sensory integration therapy and perceptual motor training on motor skills in children with learning disabilities.

DEPARTMENT OF PROSTHETICS AND ORTHOTICS

1. DEVELOPMENT OF MODULAR B. K. PROSTHESIS.
2. UTILIZATION OF TECHNOLOGY OF MODULAR B.K. PROSTHESIS.
3. DEVELOPMENT OF MODULAR A. K. PROSTHESIS.

2016-2017

DEPARTMENT OF PHYSICAL MEDICINE AND REHABILITATION

1. **Early surgical intervention in Cerebral Palsy**
2. **Deformity Correction by Ilizarov method**
5. **CTEV Plaster technique by Ponsetti method**
6. **UMEX Fixator Method for neglected CTEV age 2 to 8.**

DEPARTMENT OF PHYSIOTHERAPY

1. WHOLE BODY VIBRATION AND WOBBLE BOARD TRAINING ON BALANCE IN POST STROKE HEMIPLEGIC PATIENTS: A COMPARATIVE STUDY.
2. COMPARATIVE EFFECTIVENESS OF ISOMETRIC, ISOTONIC, ISOKINETIC EXERCISES ON STRENGTH AND FUNCTIONAL PERFORMANCE OF QUADRICEPS MUSCLE IN NORMAL SUBJECT.
3. COMPARATIVE STUDY ON EFFECT OF BREATHING AND AEROBIC EXERCISE ON GENERAL HEALTH IN ASYMPTOMATIC POPULATION.
4. EFFECTIVENESS OF MIRROR THERAPY IN REHABILITATION OF HAND FUNCTION IN SUB-ACUTE STROKE.

5. EFFECT OF VESTIBULAR STIMULATION VERSUS WHOLE BODY VIBRATION ON STANDING BALANCE IN CHILDREN WITH SPASTIC DIPLEGIC CEREBRAL PALSY.
6. EFFECT OF STATIC ABDOMINALS TRAINING AND INCENTIVE SPIROMETER IN IMPROVEMENT OF PULMONARY FUNCTION AND ABDOMINAL STRENGTH IN SPINAL CORD INJURY PATIENTS - A COMPARATIVE STUDY.
7. EFFECT OF STRETCHING OF PIRIFORMIS AND ILIOPSOAS IN COCCYDYNIA.
8. EFFECT OF NEUROMUSCULAR ELECTRICAL STIMULATION ON WRIST EXTENSORS TO IMPROVE HAND FUNCTION IN CHILDREN WITH SPASTIC CEREBRAL PALSY.
9. PREVALENCE, RISK FACTORS AND CLINICAL ION OF STROKE IN EASTERN ODISHA-A RETROSPECTIVE STUDY.
10. EFFECT OF STRENGTH AND ENDURANCE TRAINING OF UPPER LIMBS BY ARM ERGOMETER ON TRUNK CONVENTIONAL OF CHILDREN WITH CEREBRAL PALSY.
11. EFFECTS OF FUNCTIONAL STRENGTHENING EXERCISES VERSUS NEURO-MUSCULAR ELECTRICAL STIMULATION OF GLUTEUS MAXIMUS ON PELVIC OBLIQUITY IN CHILDREN WITH SPASTIC DIPLEGIC CEREBRAL PALSY: A COMPARATIVE STUDY.
12. COMPARISON OF TWO TYPES OF STRENGTHENING EXERCISES IN UPPER LIMBS FOR IMPROVEMENT OF WHEELCHAIR PROPULSION IN PARAPLEGICS.
13. COMPARISON OF ISOKINETIC STRENGTHENING WITH FUNCTIONAL STRENGTHENING OF LOWER LIMB AND THEIR EFFECT ON GAIT IN HEMIPARESIS DUE TO STROKE.
14. RISK FACTORS RESPONSIBLE FOR MUSCULOSKEETAL PAIN AMONG COMPUTER OPERATORS.
15. THORACIC MOBILISATION AND PERISCAPULAR SOFT TISSUE MANIPULATIONS IN THE MANAGEMENT OF CHRONIC PIVD - AN INNOVATIVE MANUAL THERAPY APPR.
16. EFFECTIVENESS OF PATELLOFEMORAL MOBILISATION, STRETCHING AND STRENGTHENING ON WALKING ABILITY AND STAIR CLIMBING IN SUBJECTS WITH OSTEOARTHRITIC KNEE: A COMPARATIVE STUDY.
17. QUALITY OF LIFE IN CEREBRAL PALSY
18. COMPARISON BETWEEN EFFECT OF LOW LEVEL LASER THERAPY AND MAITLAND MOBILISATION ON PAIN AND RANGE (FLEXION, EXTERNAL ROTATION AND ABDUCTION) IN PATIENTS WITH FROZEN SHOULDER.

19. COMPARATIVE STUDY ON CERVICAL SPINE MOBILIZATION VERSUS THORACIC SPINE MANIPULATION IN SUBJECTS WITH CERVICAL SPONDYLOSIS
20. EFFECTIVENESS OF A PHYSIOTHERAPY PROTOCOL IN PATIENT WITH ANKYLOSING SPONDYLITIS
21. COMPARISON OF MULLIGAN MOBILIZATION WITH MOVEMENT AND END RANGE MOBILIZATION FOLLOWING MAITLAND TECHNIQUE (PA GLIDE) IN PATIENTS WITH PRIMARY ADHESIVE CAPSULITIS IN IMPROVING MOBILITY OF INTERNAL ROTATION RANGE OF MOTION.
22. TO COMPARE THE EFFECT OF BODY WEIGHT SUPPORTED TREADMILL TRAINING (BWSTT) OVER CONVENTIONAL GAIT TRAINING IN PATIENTS WITH STROKE.
23. EFFECT OF TREADMILL TRAINING WITH INCLINATION ON FACILITATION OF DORSIFLEXORS IN CHILDREN WITH CEREBRAL PALSY.
24. EFFECT OF UPPER LIMB VIBRATION ON REACHING AND SPASTICITY IN CHILDREN WITH CEREBRAL PALSY.
25. COMPARISON OF BODYWEIGHT SUPPORTED TREADMILL TRAINING VERSUS BODY-WEIGHT SUPPORTED OVERGROUND TRAINING TO IMPROVE FUNCTIONAL AMBULATION IN CHILDREN WITH SPASTIC CEREBRAL PALSY
26. EFFECTIVENESS OF AEROBIC EXERCISES IN CHILDREN WITH CEREBRAL PALSY.
27. EFFECT OF REPETITIVE ARM CYCLING IN REDUCING SPASTICITY AND IMPROVING MOTOR PERFORMANCE IN STROKE PATIENTS.
28. COMPARING THE EFFECT OF GROUP AEROBICS VS INDIVIDUAL AEROBICS FOR STRESS MANAGEMENT AND CARDIORESPIRATORY ENDURANCE IN TRAUMATIC PARAPLEGIC PATIENTS.
29. EFFECT OF ASSISTIVE DEVICE IN RATE OF RECOVERY OF HEMIPLEGIC HAND – EXPERIMENTAL STUDY.
30. COMPARISON BETWEEN THE EFFECT OF “SEGMENTAL STABILISATION” EXERCISES COMBINED WITH THORACIC MOBILIZATION & CONVENTIONAL EXERCISES IN CHRONIC LOW BACK PAIN PATIENTS.
31. SWIMMING AS A HYDROTHERAPEUTIC INTERVENTION FOR THE TREATMENT OF NON-SPECIFIC LOW BACK PAIN.
32. EFFECTIVENESS OF THORACOLUMBAR FASCIAE RELEASE IN CHRONIC MECHANICAL LOW BACK PAIN DUE TO SPINAL DYSFUNCTION.

33. EFFECT OF CYRIAX, MCKENZIE, MULLIGAN CONCEPTS ON KNEE OSTEOARTHRITIS.
34. EFFECT OF BILATERAL TRAINING OF UPPER EXTREMITY IN HEMIPLEGIA.
35. INFLUENCE OF GROUP PLAY THERAPY ON TRUNK CONTROL AND PARTICIPATION IN DAILY ACTIVITIES IN CHILDREN WITH SPASTIC CEREBRAL PALSY.
36. EFFECT OF DEEP TISSUE MANIPULATION IN PERSONS WITH NECK PAIN.
37. EFFECT OF PILATES AND PRANAYAMA IN OVERWEIGHT AND OBESE HEALTHY POPULATION – A COMPARATIVE STUDY.
38. EFFECT OF DEEP TISSUE MANIPULATION IN LOW BACK PAIN PATIENTS.
39. EFFECTIVENESS OF FASCIAL MANIPULATION FOR LOW BACK PAIN AND LOW BACK PAIN WITH RADITING.
40. EFFICACY OF AEROBIC RECREATIONAL ACTIVITIES ON FUNCTIONAL & MOBILITY ASPECTS OF YOUNG STROKE PATIENTS.
41. THE EFFECT OF CYCLIC STRETCHING WITH VARIABLE REST PERIOD BY USING LEG ABDUCTOR DEVICE TO IMPROVE THE FLEXIBILITY OF HIP ADDUCTORS & HAMSTRINGS IN CASE OF CHILDREN WITH SPASTIC DIPLEGIC CEREBRAL PALSY.
42. THE EFFECTS OF THERA TUBE ELASTIC ASSISTED GAIT TRAINING ON HEMIPLEGIC GAIT.
43. THE EFFECTS OF CERVICO - THORACIC MOBILISATION ON PULMONARY FUNCTION IN PARAPLEGICS.
44. EFFECT OF PELVIC FLOOR MUSCLE STRENGTHENING IN STRESS URINARY INCONTINENCE.
45. EFFECT OF CORE MUSCLE STRENGTHENING EXERCISES ON STANDING BALANCE IN SPASTIC DIPLEGIC CEREBRAL PALSY.
46. EFFECT OF PROPRIOCEPTORY AND VESTIBULAR FACILITATION USING BOUNGEE CORDS AND TRAMPOLINE FOR FUNCTIONAL BALANCE IN SPASTIC DIPLEGIC CEREBRAL PALSY CHILDREN.

DEPARTMENT OF OCCUPATIONAL THERAPY

1. EFFECT OF SENSORY INTEGRATION THERAPY AND PERCEPTUAL MOTOR TRAINING ON MOTOR SKILLS IN CHILDREN WITH LEARNING DISABILITY: A COMPARATIVE STUDY.
2. EFFECTS OF SENSORY REEDUCATION OF HAND ON DRESSING SKILLS IN STROKE PATIENT.

3. THE EFFECT OF NEURO DEVELOPMENTAL TREATMENT ALONG WITH SENSORY INTEGRATION THERAPY AND NEURO DEVELOPMENTAL TREATMENT ON STANDING IN CHILDREN WITH DIPLEGIC CEREBRAL PALSY.
4. EFFECTIVENESS OF VISUAL SCHEDULE IN DEVELOPING ADL IN CHILDREN WITH AUTISM.
5. EFFECT OF NEURO FUNCTIONAL APPROACH ON INSTRUMENTAL ADL FOR STROKE PATIENT.
6. EFFECT OF MODIFIED CONSTRAINT INDUCED MOVEMENT THERAPY AND BIMANUAL INTENSIVE THERAPY ON UPPER ARM FUNCTIONING IN CHILDREN WITH OBPI: A COMPARATIVE STUDY.
7. A COMPARATIVE STUDY BETWEEN BILATERAL ARM TRAINING AND AUGMENTED FEEDBACK ON ADL IN STROKE PATIENTS.
8. COMPARING THE EFFECT OF PROPRIOCEPTIVE RETRAINING TECHNIQUES VS HOME EXERCISE PROGRAMME IN IMPROVING HAND FUNCTION IN RA PATIENTS.
9. EFFECT OF NEURODEVELOPMENTAL TREATMENT ON SELECTIVE MOTOR CONTROL OF LOWER EXTREMITY IN CHILDREN WITH SPASTIC DIAPLEGIC CEREBRAL PALSY.
10. COMPARISON OF TASK ORIENTED APPROACH VS PNF ON FUNCTIONAL AMBULATION OF STROKE PATIENT.
11. APPLICATION OF SPACING EFFECT TO IMPROVE MOTOR LEARNING IN BALANCE AND GAIT IN STROKE.
12. EFFECT OF REPEATED MUSCLE VIBRATION ON GAIT IN STROKE SURVIVORS.
13. EFFECT OF SHOULDER PAIN IN LONG TERM WHEELCHAIR PROPULSION AFFECTING ADL ACTIVITY.
14. A STUDY ON VISUAL PERCEPTUAL PROFILE IN CHILDREN WITH SPASTIC DIPLEGIC CEREBRAL PALSY.
15. EFFECT OF COLD THERAPY ON SPASTICITY TO IMPROVE SUSPINATION IN STROKE SURVIVORS.
16. EFFECT OF RAMP WALKING WITH PNF TO IMPROVE WALKING SPEED IN STROKE SURVIVORS.
17. EFFECT OF DYNAMIC SEATING BALANCE TRAINING VS CONDUCTIVE EDUCATION ON UPPER EXTREMITY MOTOR SCALE IN SPASTIC DIAPLEGIC CEREBRAL PALSY.
18. EFFECTIVENESS OF PELVIC PROPRIOCEPTIVE NEUROMUSCULAR FACILITATION TECHNIQUE ON FUNCTIONAL REACH IN STROKE SURVIVORS.
19. EFFECT OF VESTIBULAR STIMULATION & NEURODEVELOPMENTAL TREATMENT TO IMPROVE THE

- SITTING BALANCE IN CHILDREN WITH SPASTIC DIPLEGIC CEREBRAL PALSY.
20. EFFECTIVENESS OF GROUP PATIENT EDUCATION ON HEALTH BEHAVIOR IN PERSON WITH SPINAL CORD INJURY.
 21. COMPARING THE EFFECT OF KINESIO-ARM TAPING VS SUPINATION EXTERNAL ROTATION ORTHOSES IN IMPROVING ARM MOVEMENT IN OBSTETRICS BRACHIAL PLEXUS PALSY.
 22. EFFECTIVENESS OF MODIFIED CONSTRAINT INDUCED MOVEMENT THERAPY IN IMPROVING THE QUALITY OF LIFE AMONG STROKE PATIENTS.
 23. EFFECT OF MULTIPLE SENSORY MOTOR APPROACH ON CHANGING MOTOR SYNERGY AMONG STROKE PATIENTS.
 24. TO STUDY THE EFFECT OF FINE MOTOR ACTIVITIES BASED ON SENSORY MOTOR APPROACH TO IMPROVE HANDWRITING SKILLS IN CHILDREN WITH DCD.
 25. A COMPARATIVE STUDY TO FIND THE EFFECT OF EXERCISE TRAINING & AUGMENTED FEEDBACK TRAINING ON RANGE OF MOTION IN POST OPERATIVE DORSAL HAND BURNS.
 26. EFFECT OF POSTURAL CONTROL ON STATIC STANDING BALANCE IN CHILDREN WITH SPASTIC CEREBRAL PALSY.
 27. EFFECT OF VISIOMOTOR TRAINING THROUGH HAND TUTOR TO IMPROVE HAND DEXTERITY TO STROKE SURVIVORS.
 28. COMPARATIVE EFFECTIVENESS OF CONDUCTIVE EDUCATION AND CONSTRAINT INDUCED MOVEMENT THERAPY IN ACTIVITY OF DAILY LIVING AMONG CHILDREN WITH HEMIPLEGIC CEREBRAL PALSY.

DEPARTMENT OF PROSTHETICS AND ORTHOTICS

1. DEVELOPMENT OF MODULAR B. K. PROSTHESIS.
2. DEVELOPMENT OF MODULAR A. K. PROSTHESIS.

2017-2018

DEPARTMENT OF PHYSICAL MEDICINE AND REHABILITATION

1. Deformity Correction by Illizarov method.
2. CTEV Plaster technique by Ponsetti method.
3. UMEX Fixator Method for neglected CTEV age 2 to 8.
4. Botox in cerebral palsy patients.

DEPARTMENT OF PHYSIOTHERAPY

1. COMPARATIVE STUDY ON CERVICAL SPINE MOBILIZATION VERSUS THORACIC SPINE MANIPULATION IN SUBJECTS WITH CERVICAL SPONDYLOSIS.
2. EFFECTIVENESS OF SOFT TISSUE MOBILIZATION AS AN ADJUNCT TO THE CONVENTIONAL EXERCISE IN PATIENTS WITH ANKYLOSING SPONDYLITIS.
3. EFFECT OF TREADMILL TRAINING WITH INCLINATION ON FACILITATION OF DORSIFLEXORS IN CHILDREN WITH CEREBRAL PALSY.
4. EFFECT OF UPPER LIMB VIBRATION ON REACHING AND SPASTICITY IN CHILDREN WITH CEREBRAL PALSY.
5. COMPARISON OF BODYWEIGHT SUPPORTED TREADMILL TRAINING VERSUS BODY-WEIGHT SUPPORTED OVER-GROUND TRAINING TO IMPROVE FUNCTIONAL AMBULATION IN CHILDREN WITH SPASTIC CEREBRAL PALSY.
6. EFFECT OF AEROBIC EXERCISE IN IMPROVING CARDIO-RESPIRATORY ENDURANCE IN CHILDREN WITH CEREBRAL PALSY.
7. EFFECT OF REPETITIVE ARM CYCLING IN REDUCING SPASTICITY AND IMPROVING MOTOR PERFORMANCE IN STROKE PATIENTS.
8. EFFECTIVENESS OF ROBOTIC EXOSKELETON ASSISTED THERAPY IN REHABILITATION OF HAND FUNCTION IN STROKE.
9. SWIMMING AS A HYDROTHERAPEUTIC INTERVENTION FOR THE TREATMENT OF NON-SPECIFIC LOW BACK PAIN.
10. EFFECTIVENESS OF THORACO-LUMBAR FASCIAE RELEASE IN CHRONIC MECHANICAL LOW BACK PAIN DUE TO SPINAL DYSFUNCTION.
11. COMPARISON OF MOBILIZATION WITH MOVEMENT AND DEEP TRANSVERSE FRICTION MASSAGE WITH ULTRASOUND THERAPY IN THE MANAGEMENT OF SUBJECTS WITH LATERAL EPICONDYLALGIA.
12. EFFECTIVENESS OF END-RANGE MOBILIZATION TECHNIQUE IN ADHESIVE CAPSULITIS OF THE SHOULDER JOINT ASSOCIATED WITH DIABETES MELLITUS: A COMPARATIVE STUDY.
13. EFFECTIVENESS OF EXTRACORPOREAL SHOCK WAVE THERAPY ON HEMIPLEGIC SHOULDER PAIN IN PATIENTS WITH STROKE.

- 14.EFFECT OF RECREATIONAL SPORT FOR RESPIRATORY FUNCTION AND PSYCHOLOGICAL WELL-BEING IN PERSONS WITH SPINAL CORD INJURY.
- 15.RISK FACTORS OF CEREBRAL PALSY: EPIDEMIOLOGICAL STUDY.
- 16.EFFECTIVENESS OF THORACO-LUMBAR FASCIAE RELEASE IN CHRONIC MECHANICAL LOW BACK PAIN DUE TO SPINAL DYSFUNCTION

- 17.EFFECT OF THERA-TUBE ELASTIC ASSISTED GAIT TRAINING ON HEMIPLEGIC GAIT.
- 18.EFFICACY OF AEROBIC RECREATIONAL ACTIVITIES ON FUNCTIONAL AND MOBILITY ASPECTS OF YOUNG STROKE PATIENTS.
- 19.EFFECTS OF PILATES AND PRANAYAM IN OVER WEIGHT AND OBESE HEALTHY POPULATION A COMPARATIVE STUDY.
- 20.EFFECT OF DEEP TISSUE MANIPULATION IN PERSONS WITH NECK PAIN.
- 21.EFFECT OF SOFT TISSUE MANIPULATION IN PERSONS WITH LOW BACK PAIN.
- 22.EFFECT OF PLANTAR FASCIA RELEASE IN CHRONIC PLANTAR FASCIITIS.
- 23.EFFECT OF PROPRIOCEPTORY AND VESTIBULAR FACILITATION ON FUNCTIONAL BALANCE BY USING BOUNGEE CORDS AND TRAMPOLINE IN SPASTIC DIPLEGIC CEREBRAL PALSY CHILDREN.
- 24.EFFECT OF BILATERAL ACTIVITY OF UPPER EXTREMITY IN HEMIPLEGIA.
- 25.EFFECTIVENESS OF FASCIAL MANIPULATION FOR LOW BACK PAIN AND LOW BACK PAIN WITH RADIATING.
- 26.EFFECT OF CORE MUSCLE STRENGTHENING ON SITTING BALANCE IN SPASTIC DIPLEGIC CEREBRAL PALSY.
- 27.EFFECT OF CYCLIC STRETCHING WITH VARIABLE REST PERIOD BY USING LEG ABDUCTOR DEVICE TO IMPROVE THE FLEXIBILITY OF HIP ADDUCTORS AND HAMSTRINGS IN CASE OF CHILDREN WITH SPASTIC DIPLEGIC CEREBRAL PALSY.
- 28.EFFECT OF PELVIC FLOOR STRENGTHENING IN STRESS URINARY INCONTINENCE.
- 29.EFFECT OF PRATICIPATION IN RECREATION GROUP ACTIVITIES FOR FINE MOTOR AND GROSS MOTOR PERFORMANCE IN CHILDREN WITH SPASTIC CEREBRAL PALSY.

- 30.EFFECTS OF CERVICO THORACIC MOBILISATION ON PULMONARY FUNCTION IN PARAPLEGIES.
- 31.EFFECTIVENESS OF LEVATOR SCAPULE STRETCHING IN SPINAL CORD INJURY PATIENT HAVING NEUROPATHIC PAIN
- 32.EFFECT OF HYDROTHERAPY RESISTANCE EXERCISE PROGRAMME & GYM BASED EXERCISE PROGRAMME ON STRENGTH & FUNCTION OF QUADRICEPS ON OA PATIENT.
- 33.PREDICTION OF RECOVERY IN PATIENT WITH SPINAL CORD INJURY.
- 34.EFFECTIVENESS OF PIRIFORMIS STRETCHING ON PATIENT WITH OA KNEE.
- 35.TO ANALYSE WEATHER SMART PHONE IS A RISK FACTOR FOR MUSCULOSKELETAL DISORDER AMONG COLLEGE STUDENTS.
- 36.COMPARISON BETWEEN THE EFFECT OF HYDROTHERAPY VS CONVENTIONAL EXERCISES FOR IMPROVEMENT OF TRUNK CONTROL IN CHILDREN WITH CEREBRAL PALSY.
- 37.COMPARISON BETWEEN TRADITIONAL VS MODERN BALANCE TRAINING IN HEMIPLEGIC PATIENT
- 38.EFFECT OF VIRTUAL REHABILITATION ON UPPER LIMB FUNCTION IN CHILDREN WITH CEREBRAL PALSY.
- 39.EFFECTIVENESS OF KYNAPSIS VR SOFTWARE IN UPPER LIMB AND LOWER LIMB REHABILITATION IN HEMIPLEGIC PATIENT.
- 40.COMPARISON BETWEEN 2 TREATMENT PROTOCOLS TO UNDO THE EFFECT OF W SITTING IN SPASTIC DIPLEGIC CEREBRAL PALSY CHILDREN.
- 41.EFFECTIVENESS OF PHYSIOTHERAPEUTIC TECHNIQUES TO MEASURE THE CHANGE IN CRANIOVERTEBRAL ANGLE IN STUDENTS
- 42.EFFICIENCY OF SHOCK WAVE THERAPY IN HETEROTROPIC OSSIFICATION.
- 43.TO COMPARE THE EFFECTS OF CONVENTIONAL FLEXION EXERCISE VS PILATES IN SPONDYLOLISTHESIS.
- 44.COMPARISON BETWEEN BODY WEIGHT SUPPORT GAIT TRAINING IN TREADMILL VS CONVENTIONAL GAIT TRAINING IN STROKE PATIENT.

DEPARTMENT OF OCCUPATIONAL THERAPY

1. A STUDY TO FIND OUT THE EFFECT OF FINE MOTOR ACTIVITIES BASED ON SENSORIMOTOR APPROACH TO IMPROVE HANDWRITING PERFORMANCE IN CHILDREN WITH DCD.
2. EFFECT OF NEURO-DEVELOPMENTAL THERAPY COMBINED WITH VESTIBULAR STIMULATION ON SITTING BALANCE IN CHILDREN WITH SPASTIC DIPLEGIC CEREBRAL PALSY.
3. EFFECT OF POSTURAL CONTROL INTERVENTION ON STATIC STANDING BALANCE IN CHILDREN WITH SPASTIC CEREBRAL PALSY.
4. EFFECTS OF DYNAMIC SITTING BALANCE VS CONDUCTIVE EDUCATION ON UPPER EXTREMITY MOTOR SKILLS IN CHILDREN WITH SPASTIC DIPLEGIC CEREBRAL PALSY.
5. THE EFFECT OF CONDUCTIVE EDUCATION AND MODIFIED CONSTRAINT INDUCED MOVEMENT THERAPY IN ACTIVITIES OF DAILY LIVING AMONG CHILDREN WITH HEMIPLEGIC CEREBRAL PALSY POPULATION: A COMPARATIVE STUDY.
6. COMPARING THE EFFECT OF KINESIO ARM TAPING VERSUS SUPINATION EXTERNAL ROTATION ORTHOSIS IN IMPROVING ARM MOVEMENT IN OBSTETRIC BRACHIAL PLEXUS INJURY.
7. A COMPARATIVE STUDY TO FIND THE EFFECT OF EXERCISE TRAINING AND AUGMENTED FEEDBACK TRAINING ON RANGE OF MOTION IN POST-OPERATIVE DORSAL HAND BURNS.
8. EFFECT OF VISUO-MOTOR TRAINING THROUGH HAND TUTOR TO IMPROVE HAND DEXTERITY IN STROKE SURVIVORS.
9. EFFECTIVENESS OF PELVIC PROPRIOCEPTIVE NEUROMUSCULAR FACILITATION TECHNIQUE ON FUNCTIONAL REACH IN STROKE SURVIVORS.
10. EFFECTIVENESS OF HANDOUT BASED PATIENT EDUCATION ON HEALTH BEHAVIOR IN PERSON WITH TRAUMATIC SPINAL CORD INJURY.
11. INFLUENCE OF POST INTERVENTION MUSCLE SYNERGIES ON UPPER LIMB FUNCTION AMONG STROKE SURVIVORS.
12. EFFECTIVENESS OF MODIFIED CONSTRAINT-INDUCED MOVEMENT THERAPY IN IMPROVING QUALITY OF LIFE AMONG STROKE SURVIVORS.
13. EFFECT OF CRYOTHERAPY ON SPASTICITY AND IMPROVING SUPINATION RANGE IN STROKE SURVIVOR.
14. THE EFFECT OF RAMP GAIT EXERCISE WITH PNF ON STROKE PATIENTS' GAIT VELOCITY.
15. EFFECT OF SENSORY RE-EDUCATION ON HAND DEXTERITY IN POST STROKE CLIENTS- A COMPARATIVE STUDY.

16. STUDY TO FIND OUT CORRELATION BETWEEN PRAXIS PATTERNS AND SOCIAL PARTICIPATION AMONG ASD CHILDREN.
17. EFFECT OF THE CIRCUIT TRAINING PROGRAM USING OBSTACLES ON WALKING AND BALANCE ABILITIES OF STROKE PATIENTS.
18. TO FIND OUT THE PREVALENCE OF LATERAL FLARED OUT POSITION OF THE RIB CAGE IN CASE OF CEREBRAL PALSY.
19. EFFECT OF ARM MOVEMENT THROUGH PLAY ACTIVITIES TO IMPROVE POSTURAL CONTROL IN SPASTIC DIPLEGIC CEREBRAL PALSY.
20. EVALUATION OF THE POST STROKE CHECK LIST: A QUALITATIVE STUDY.
21. TASK SPECIFIC WORK SIMULATION STRATEGY FOR RESTORING HAND FUNCTION IN STROKE
22. EFFECT OF PROLONGED STANDING TO IMPROVE BALANCE AND GAIT OF THE CHILDREN WITH CEREBRAL PALSY.
23. EFFECT OF FUNCTIONAL ELECTRICAL STIMULATION WITH AND WITHOUT WRIST HAND ORTHOSIS ON HAND FUNCTION IN POST STROKE SURVIVORS.
24. EFFECT OF MODIFIED CUSHION TO PREVENT PRESSURE SORE AND IMPROVE POSTURAL BEHAVIOURAL CHANGES WHILE SITTING ON WHEEL CHAIR FOR THE PERSONS WITH SPINAL CORD INJURY.
25. TO STUDY THE EFFECT OF MIRROR THERAPY AND M-CIMT TO IMPROVE THE MOTOR FUNCTION OF UPPER EXTREMITY AFTER STROKE.
26. EFFECT OF ADULT PLAYFULNESS ON SENSORY PROCESSING OF CHILDREN WITH ASD.
27. THE EFFECT OF CONTINUOUS PASSIVE MOTION VERSUS STATIC PROGRESSIVE SPLINT IN POST FRACTURE STIFFNESS OF ELBOW IN IMPROVING THE UPPER LIMB FUNCTION.
28. PERCEPTION OF MOTHER'S TOILET EDUCATION PROGRAM FOR CHILDREN WITH CEREBRAL PALSY IN OCCUPATIONAL THERAPY IN ODISHA RURAL AREA.

DEPARTMENT OF PROSTHETICS AND ORTHOTICS

1. DEVELOPMENT OF MODULAR B. K. PROSTHESIS.
2. DEVELOPMENT OF MODULAR A. K. PROSTHESIS.
3. THE EFFECT OF SHOULDER CUFF AND SHOULDER SLING IN THE TREATMENT OF HEMIPLEGICS WITH SUBLUXED SHOULDER: A COMPARATIVE STUDY.

4. A STUDY ON KINETICS & KINEMATIC ANALYSIS OF POLYCENTRIC FOUR BAR LINKAGE KNEE JOINT (SVNIRTAR DESIGN).
5. CUSTOMIZED OFFLOADING KNEE BRACE FOR OSTEOARTHRITIS OF KNEE .
6. EFFECT OF SUPRA-CONDYLAR SUSPENSION AND CUFF SUSPENSION SYSTEM ON GAIT PARAMETERS IN SUBJECTS WITH UNILATERAL TRANS-TIBIAL AMPUTEES.
7. COMPARISON OF NEWLY DEVELOPED CARBON BLADE FOOT AND SACH FOOT IN SUBJECTS WITH UNILATERAL TRANSTIBIAL AMPUTATION.
8. THE EFFECT OF SUPRA CONDYLAR KNEE ANKLE FOOT ORTHOSIS WITH OKLAHOMA ANKLE JOINTS ON GAIT PARAMETERS IN CHILDREN WITH SPASTIC CEREBRAL PALSY HAVING KNEE HYPER EXTENSION.
9. MEDIAL LONGITUDINAL ARCH SUPPORT AND UCBL SHOE INSERT FOR SUBJECTS WITH FLEXIBLE FLAT FEET.
10. DESIGN AND DEVELOPMENT OF SURFACE RESPONSE KINETIC FOOT.
11. COMPARATIVE STUDY BETWEEN SOLID AND ARTICULATED ANKLE FOOT ORTHOSIS IN SUBJECTS WITH STROKE.

2018-2019

DEPARTMENT OF PHYSICAL MEDICINE AND REHABILITATION:

1. ETIOLOGY OF FLEXIBLE FLAT FOOT IN PEDIATRIC AGE GROUP.
2. DEFORMITY CORRECTION BY ORTHOSUV METHOD
3. UMEX FIXATOR METHOD FOR NEGLECTED CTEV AGE 2 TO 8.
4. COMPARISON OF PRP & STEROID INJECTION IF PLANTAR FASCITIS.
5. COMPARISON OF STATIC & DYNAMIC BRACE IN CTEV
6. IMPACT OF DELAYED INITIATION OF STROKE REHABILITATION.
7. INPATIENT REHABILITATION IN HEMIPLEGIC SHOULDER PAIN SYNDROME.

DEPARTMENT OF PHYSIOTHERAPY:

- 1. EFFECTS OF HIGHTONE POWER THERAPY ALONG WITH CONVENTIONAL EXERCISE IN OA KNEE.**
- 2. EFFECT OF BILATERAL REPETITIVE PROTRACTION IN ANTISPASTIC POSITION OF SUSPENDED UPPER EXTREMITY ON MOTOR PERFORMANCE AND SCAPULAR POSITION IN STROKE.**
- 3. EFFECTS OF DEEP TISSUE MANIPULATION IN PERSONS WITH NECK PAIN.**
- 4. EFFECTS OF DEEP SOFT TISSUE MANIPULATION IN LOW BACK PAIN PATIENTS.**
- 5. THE EFFECT OF CYCLIC STRETCHING WITH VARIABLE REST PERIOD BY USING LEG ABDUCTOR DEVICE TO IMPROVE THE FLEXIBILITY OF HIP ADDUCTORS & MEDIAL HAMSTRING MUSCLE IN CASE OF CHILDREN WITH SPASTIC DIPLEGIC CP.**
- 6. THE EFFECT OF ELASTIC BAND ASSISTED GAIT TRAINING TO IMPROVE THE GAIT KINEMATICS IN STROKE SURVIVORS - A RANDOMIZED CONTROL TRIAL.**
- 7. EPIDEMIOLOGY AND SOCIO-ECONOMIC CONSEQUENCES OF SPINAL CORD INJURY.**
- 8. EFFECT OF INTERFERENTIAL THERAPY AND KEGEL EXERCISE IN MANAGEMENT OF STRESS URINARY INCONTINENCE A COMPARATIVE STUDY.**
- 9. BURDEN ON CAREGIVERS OF CHILDREN WITH CEREBRAL PALSY- A SURVEY REPORT.**
- 10.EFFECTS OF PLANTAR FASCIA RELEASE IN CHRONIC PLANTAR FASCIITIS PATIENTS.**

- 11. EFFECT OF AEROBIC RECREATIONAL ACTIVITY IN FUNCTIONAL AND MOBILITY ASPECT OF YOUNG STROKE PATIENT.**
- 12. EFFECT OF PRORIOCEPTIVE AND VESTIBULAR FACILITATION USING BUNGEE CORDS AND TRAMPOLINE ON FUNCTIONAL BALANCE IN SPASTIC DIPLEGIC CEREBRAL PALSY CHILDREN.**
- 13. EFFECTIVENESS OF THORACO-LUMBER FASCIA RELEASE IN CHRONIC LBP DUE TO THORACO-LUMBER DYSFUNCTION.**
- 14. EFFECTS OF PARTICIPATION IN GROUP PLAY THERAPY ON TRUNK CONTROL AND GROSS MOTOR PERFORMANCE IN CHILDREN WITH SPASTIC DIPLEGIC CEREBRAL PALSY.**
- 15. A COMPARATIVE STUDY ON EFFECT OF PILATES AND PRANAYAM ON BODY WEIGHT, ABDOMINAL STRENGTH AND ENDURANCE .**
- 16. A COMPARATIVE STUDY ON EFFECT OF TRIGGER POINT RELEASE VERSUS SCAPULAR STABILIZATION EXERCISES ON PAIN RELATED PARAMETER IN SCAPULA-COSTAL PAIN SYNDROME- A RANDOMIZED CONTROL TRIAL.**
- 17. EFFECTIVENESS OF THORACOLUMBAR FASCIAE RELEASE IN CHRONIC MECHANICAL LOW BACK PAIN DUE TO SPINAL DYSFUNCTION.**
- 18. EFFECT OF CORE MUSCLE STRENGTHENING ON SITTING BALANCE IN SPASTIC DIPLEGIC CEREBRAL PALSY.**
- 19. EFFECTS OF CERVICO-THORACIC MOBILISATION ON PULMONARY FUNCTION IN PARAPLEGICS.**

- 20.EFFECTIVENESS OF LEVATOR SCAPULE STRETCHING IN SPINAL CORD INJURY PATIENT HAVING NEUROPATHIC PAIN.**
- 21.EFFECT OF YOGA IN PATIENTS WITH STROKE.**
- 22.RISK OF DEVELOPING MEDIAL COMPARTMENT OA IN PATIENT WITH PIRIFORMIS TIGHTNESS.**
- 23.TO ANALYSE WHETHER SMART PHONE IS A RISK FACTOR FOR MUSCULOSKELETAL DISORDER AMONG COLLEGE STUDENTS.**
- 24.COMPARISON BETWEEN TRADITIONAL VS MODERN BALANCE TRAINING IN HEMIPLEGIC PATIENTS.**
- 25.EFFECT OF VIRTUAL REHABILITATION ON UPPER LIMB FUNCTION IN CHILDREN WITH CEREBRAL PALSY.**
- 26.EFFECTIVENESS OF KYNAPSIS VR SOFTWARE IN UPPER LIMB REHABILITATION IN HEMIPLEGIC PATIENTS.**
- 27.COMPARISON BETWEEN 2 TREATMENT PROTOCOLS TO UNDO THE EFFECT OF W SITTING IN SPASTIC DIPLEGIC CEREBRAL PALSY CHILDREN.**
- 28.EFFECTIVENESS OF MULTIMODEL PHYSIOTHERAPEUTIC APPROACHES TO MEASURE THE CHANGE IN CRANIOVERTEBRAL ANGLE IN STUDENTS.**
- 29.EFFICIENCY OF SHOCK WAVE THERAPY IN HETEROTROPIC OSSIFICATION.**
- 30.TO COMPARE THE EFFECTS OF CONVENTIONAL FLEXION EXERCISE VS PILATES IN SPONDYLOLISTHESIS.**
- 31.COMPARISON BETWEEN BODY WEIGHT SUPPORT GAIT TRAINING IN TREADMILL VS CONVENTIONAL GAIT TRAINING IN STROKE PATIENTS.**

- 32. RANDOMISED CONTROL TRIAL OF THE EFFECTS OF MYOFASCIAL RELEASE OF THE TRIGGER POINTS IN UPPER TRAPEZIUS.**
- 33. EFFECTS OF MYOFASCIAL RELEASE OF CALF MUSCLE ON TOE WALKING IN CHILDREN WITH SPASTIC DIPLEGIC AND HEMIPLEGIC.**
- 34. COMPARISON OF TECAR THERAPY VS MYOFASCIAL RELEASE ON MYOFASCIAL PAIN IN LEVATOR SCAPULAE AND UPPER TRAPEZIUS MUSCLES.**
- 35. COMPARISON OF QUALITY OF LIFE, PHYSICAL AND RESPIRATORY PARAMETERS IN PLAYERS AND NON-PLAYERS WITH SPINAL CORD INJURY.**
- 36. EFFECTS OF TECAR THERAPY VS MAITLANT MOBILIZATION IN PATIENTS WITH ACUTE ADHESIVE CAPSULITIS OF SHOULDER JOINT- A COMPARATIVE STUDY.**
- 37. MYOFASCIAL RELEASE VS DEEP OSCILLATION THERAPY ON LENGTH AND TONE OF HAMSTRING MUSCLE IN CHILDREN WITH SPASTIC CEREBRAL PALSY- A COMPARATIVE STUDY.**
- 38. EFFICACY OF LASER THERAPY IN CHANGE OF LENGTH, ENDURANCE OF ERECTOR SPINAE GROUP AND PELVIS OBLIQUITY IN SUBJECTS WITH LOWER CROSSED SYNDROME TYPE A.**
- 39. ADDED EFFECTS OF MOTOR CONTROL EXERCISES OVER CONVENTIONAL AND DEEP OSCILLATION THERAPY IN REDUCING PAIN AND IMPROVING FUNCTIONAL ABILITY IN PATIENTS WITH CHRONIC NON SPECIFIC LOW BACK PAIN.**

- 40. CORRELATION BETWEEN PRONATED FOOT AND PELVIC INCLINATION, FEMORAL ANTEVERSION, QUADRICEPS ANGLE AND TIBIAL TORSION IN ASYMPTOMATIC ADULTS.**
- 41. EFFICACY OF RELEASING TENSION IN SACROTUBEROUS LIGAMENT IN REDUCING PAIN AND DISABILITY IN LOW BACK PATIENTS WITH UNILATERAL SACRALISATION.**
- 42. EFFICACY OF CRVICO-THORACIC ELECTRICAL SENSORY STIMULATION ON WRIST FLEXOR SPASTICITY ON PERSONS WHO SURVIVED CREBROVASCULAR ACCIDENT(CVA).**
- 43. EFFECTIVENESS OF LASER THERAPY ON ELBOW FLEXOR SPASTICITY CAUSED BY CEREBROVASCULAR ACCIDENT.**
- 44. A PROTOCOL ON CONTROLLING BODY- MIND AND BREATH ON QUALITY OF LIFE AND DEPRESSION, ANXIETY, STRESS IN CARE TAKERS OF PERSONS WITH LOCOMOTOR DISABILITY.**
- 45. EFFECT OF BALANCE TRAINING ON GAIT AND FUNCTIONAL ABILITIES IN PERSONS WITH HEMIPLEGIA DUE TO STROKE.**
- 46. EFFECT OF DISTRIBUTIVE PRACTICE OF CONSTRAINT INDUCED MOVEMENT THERAPY IN HEMIPLEGIC CEREBRAL PALSY CHILDREN TO IMPROVE UPPER EXTREMITY FUNCTIONS.**
- 47. EFFECT OF GROUP THERAPEUTIC PLAY VS BREATH BODY AND MIND PROGRAMME ON PHYSICAL AND PSYCHOLOGICAL PARAMETER (BP, BALANCE, QOL, SAD) IN ADULT STROKE PATIENTS.**
- 48. EFFECTS OF PARTIAL –BODY WEIGHT SUPPORTED TREADMILL TRAINING ON NON- AMBULATORY CEREBRAL PALSY CHILDREN.**

49.EFFECT OF START-PLAY THERAPY FOR SITTING BALANCE, TRUNK CONTROL AND COGNITION IN CHILDREN WITH DEVELOPMENTAL DELAY.

50.EFFECT OF MYOFACIAL RELEASE USING TENNIS BALL AND STATIC STRETCHING ON GASTRO-SOLEUS SPASTICITY TO IMPROVE DORSIFLEXION RANGE OF MOTION AND BALANCE IN PERSONS WITH HEMIPLEGIA DUE TO STROKE.

DEPARTMENT OF OCCUPATIONAL THERAPY:

1. EFFECTIVENESS OF BACKWARD WALKING TRAINING ON WALKING ABILITY IN HEMIPLEGIC PATIENTS.
2. EFFECT OF COGNITIVE ORIENTATION TO OCCUPATIONAL PERFORMANCE (CO-OP) APPROACH ON FUNCTIONAL PERFORMANCE OF CEREBRAL PALSY CHILDREN.
3. IMPROVEMENT OF FUNCTIONAL SITTING IN SPINAL CORD INJURY THROUGH MODIFICATION OF WHEEL CHAIR SEATING SURFACE.
4. TO COMPARE THE EFFECT OF KINESIO TAPING ADJUNCTIVELY WITH HAND EXERCISE ON IMPROVING HAND FUNCTION IN STAGE I AND STAGE II OF RHEUMATOID ARTHRITIS.
5. TO COMPARE THE EFFECT OF MODIFIED CONSTRAINT INDUCED MOVEMENT THERAPY (MCIMT) AND BIMANUAL MIRROR THERAPY IN IMPROVEMENT OF HAND FUNCTION AND STRENGTH IN UNILATERAL CEREBRAL PALSY.
6. A STUDY TO DEVELOP A QUESTIONNAIRE TO FIND OUT THE SPECIFIC CAUSATIVE FACTOR OF FEEDING DISORDER IN CHILDREN WITH ASD.
7. EFFECT OF KINESIOTAPING ON GAIT AND BALANCE IN SUBJECT OF STROKE WITH KNEE HYPEREXTENSION.
8. TO STUDY THE EFFECT OF HOME BASED EXERCISE PROGRAM (HEP) VERSES INSTITUTION BASED OCCUPATIONAL THERAPY (IOT) IN IMPROVING HAND FUNCTION IN POST OPERATIVE COLLES FRACTURE.
9. EFFECTS ON DUAL TASK TRAINING ALONG WITH VIRTUAL REALITY TRAINING ON BALANCE IN CHRONIC STROKE.
- 10.EFFECT OF TACTILE STIMULATION & VESTIBULAR STIMULATION ON IMPROVEMENT OF DEXTERITY & MANUAL

ABILITY OF HAND IN HEMIPLEGIC CEREBRAL PALSY –A COMPARATIVE STUDY.

- 11.EFFECTS OF COGNITIVE TRAINING ON GAIT PARAMETER WHILE TALKING DURING WALKING AMONG STROKE SURVIVORS.
- 12.COMPARISON BETWEEN FUNCTIONAL ELECTRICAL STIMULATION AND VISUAL AUGMENTED FEEDBACK TRAINING IN POST STROKE SURVIVORS FOR IMPROVING WRIST EXTENSION.
- 13.TEST OF IN HAND MANIPULATION SKILLS- TOOL REVISION.
- 14.EFFECT OF TACTILE AND VESTIBULAR STIMULATION ON STEREOTYPICAL AND REPETITIVE BEHAVIOR IN AUTISM SPECTRUM DISORDER CHILDREN: A COMPARATIVE STUDY.
- 15.DEVELOPMENT OF ODIYA VERSION OF SENSORY PROFILE, TRANSLATION, CROSS CULTURAL ADAPTATION AND PSYCHOMETRIC VALIDATION.
- 16.EFFECT OF AUGMENTED INDIVIDUALLY TAILOR CBT IN POST STROKE DEPRESSION.
- 17.DEVELOPMENT OF REMOTE CONTROL ASSISTIVE FEEDING DEVICE FOR THE INDIAN CITIZENS HAVING LOSS OF HAND TO MOUTH MOVEMENT.
- 18.EFFECT OF TASK ORIENTED CIRCUIT TRAINING TO IMPROVE HAND FUNCTION AND ADL IN STROKE PATIENT.
- 19.EFFECT OF ORAL SENSORY STIMULATION BASED ON SENSORY MOTOR APPROACH TO REDUCE ORAL SENSORY SENSITIVITY IN CHILDREN WITH ASD.
- 20.DELAYED EFFECT OF FOREARM KINESIO TAPPING ON HAND GRIP STRENGTH IN HEALTHY INDIVIDUAL.
- 21.EFFECT OF FES WITH TASK ORIENTED APPROACH ON REACH AND GRASP IN CHILDREN WITH SPASTIC DIPLEGIC CP AND INFANTILE HEMI.
- 22.EFFECT OF PNF GAIT RESISTANCE TRAINING AND AGILITY TRAINING IN GAIT AND QOL WITH STROKE SURVIVORS.
- 23.EFFECT OF KINESIO TAPPING ON SUB ACUTE STROKE ON HAND FUNCTION.
- 24.EFFECTIVENESS OF NDT ON MOBILITY FOR CHILDREN WITH CP.
- 25.EFFECT OF MODIFIED WHEEL CHAIR SKILL TRAINING PROGRAM ON QOL IN PERSON WITH SCI.
- 26.EFFECT OF TACTILE AND PROPRIOCEPTIVE STIMULATION ON HAND WRITING AMONG ASD CHILDREN.

27. EFFECTIVENESS OF BILATERAL ARM TRAINING ALONG WITH FES FOR RESTORATION OF UPPER LIMB FUNCTION AND ADL PERFORMANCE IN CHRONIC STROKE.
28. RELATIONSHIP BETWEEN TEMPERAMENT SENSORY ISSUES AND MOTOR COORDINATION IN CHILDREN WITH ASD.
29. USE OF HAND TUTOR TO IMPROVE GRIP, PINCH STRENGTH AND HAND FUNCTION IN STROKE SURVIVOR.

DEPARTMENT OF PROSTHETICS AND ORTHOTICS:

1. DEVELOPMENT OF MODULAR B. K. PROSTHESIS.
2. DEVELOPMENT OF MODULAR A. K. PROSTHESIS.
3. EFFECT OF PREFABRICATED NEOPRENE HAND SPLINT ON GRIP STRENGTH IN CHILDREN WITH HEMIPLEGIC CEREBRAL PALSY.
4. IMMEDIATE EFFECT OF SILICONE INSOLES ON POSTURE AND BALANCE IN CHILDREN WITH FLEXIBLE FLAT FOOT.
5. A STUDY ON CLINICAL EFFICACY OF MODIFIED MOULDED AFO IN THE MANAGEMENT OF CLUB FOOT.
6. IMPACT OF GAITER ON ELBOW SPASTICITY AND PAIN IN SUBJECTS WITH STROKE.
7. EFFECT OF RIGID LUMBOSACRAL ORTHOSIS ON RADIOGRAPHIC FEATURES AND PAIN IN PATIENTS WITH SPONDYLOLISTHESIS.
8. EFFECT OF ANKLE FOOT ORTHOSIS ON STATIC STABILITY AND BALANCE IN SUBJECTS WITH SPASTIC DIPLEGIC CEREBRAL PALSY.
9. EFFECT OF ALTERATIONS OF ALIGNMENT OF ANKLE FOOT ORTHOSIS ON SUBJECTS WITH STROKE.
10. COMPARISON BETWEEN FLAT AND CUSTOMISED SEAT CUSHION IN SUBJECTS WITH SPINAL CORD INJURY.
11. COMBINED EFFECT OF DYNAMIC HAND SPLINT AND THERAPY ON HANDGRIP STRENGTH IN SUBJECTS WITH STROKE.
12. IMMEDIATE EFFECT OF BRACING ON BALANCE AND POSTURE IN ADOLESCENT IDIOPATHIC SCOLIOSIS.

2019-2020

DEPARTMENT OF PHYSICAL MEDICINE AND REHABILITATION:

1. ETIOLOGY OF FLEXIBLE FLAT FOOT IN PAEDIATRIC AGE GROUP.
2. COMPARISON OF STATIC A DYNAMIC BRACE IN CTEV.
3. IMPACT OF DELAYED INITIATION OF STROKE REHABILITATION.
4. INPATIENT REHABILITATION IN HEMIPLEGIC SHOULDER PAIN SYNDROME.

DEPARTMENT OF PHYSIOTHERAPY:

1. EFFECTIVENESS OF MYOFASCIAL RELEASE OF CALF MUSCLE IN SPASTIC CEREBRAL PALSY CHILDREN WITH EQUINUS GAIT.
2. COMPARISON BETWEEN BWSTT VERSUS CONVENTIONAL GAIT TRAINING TO IMPROVE FUNCTIONAL INDEPENDENCY IN POST STROKE PATIENTS.
3. THE EFFECTIVENESS OF VIRTUAL REALITY ON UPPER LIMB REHABILITATION IN STROKE PATIENTS.
4. EFFECTIVENESS OF MYOFASCIAL RELEASE AND TRIGGER POINT PRESSURE RELEASE IN THE TREATMENT OF TRIGGER POINTS IN UPPER TRAPEZIUS MUSCLES IN STUDENT POPULATION.
5. EFFECT OF BREATH & BODY PROGRAM ON RESPIRATORY & PSYCHOLOGICAL FUNCTIONS IN PATIENTS WITH STROKE.
6. TO STUDY THE EFFECTS OF LEVATOR SCAPULAE STRETCHING ON NEUROPATHIC PAIN IN SPINAL CORD DISEASES- AN INNOVATIVE APPROACH.
7. EXTRACORPOREAL SHOCK WAVE THERAPY AS A TREATMENT FOR HETEROTOPIC OSSIFICATION.
8. A COMPARATIVE STUDY ON EFFECTS OF PILATES AND PRANAYAMA ON BODY WEIGHT AND ABDOMINAL STRENGTH AND ENDURANCE.

9. RISK OF DEVELOPING KNEE MEDIAL COMPARTMENT OA IN SUBJECTS WITH PIRIFORMIS TIGHTNESS.
- 10.EFFECTS OF VIRTUAL REALITY ON UPPER LIMB FUNCTION IN CHILDREN WITH HEMIPLEGIC CEREBRAL PALSY.
- 11.EFFECT OF INTERFERENTIAL THERAPY AND KEGEL EXERCISE IN MANAGEMENT OF STRESS URINARY INCONTINENCE – A COMPARATIVE STUDY.
- 12.COMPERISSION BETWEEN VIRTUAL REALITIES BASED-BALANCED INTERVENTION VS TRADITIONAL BALANCE TRAINING IN HEMIPLEGIC PATIENTS.
- 13.A COMPARATIVE STUDY ON THE EFFECT OF MULTIMODAL PHYSICAL THERAPY APPROACH ON CRANIOVERTEBRAL ANGLE AND DEEP CERVICAL FLEXOR ENDURANCE IN STUDENTS.
- 14.EFFECTS OF SMART PHONE USAGE ON PHYSICAL AND MENTAL HEALTH AMONG COLLEGE STUDENTS.
- 15.COMPARISON BETWEEN EFFECT OF FLEXION EXERCISES AND PILATES EXERCISES IN LOW BACK PAIN DUE TO SPONDYLOLISTHESIS.
- 16.EFFECT OF DISTRIBUTED PRACTICE OF CONSTRAINT INDUCED MOVEMENT THERAPY IN HEMIPLEGIC CEREBRAL PALSY CHILDREN TO IMPROVE UPPER EXTREMITY FUNCTION.
- 17.EFFECT OF START-PLAY THERAPY ON SITTING BALANCE, TRUNK CONTROL AND COGNITION IN CHILDREN WITH DEVELOPMENTAL DELAY.
- 18.EFFECTS OF GROUP THERAPEUTIC PLAY Vs BREATH BODY & MIND PROGRAMME ON PHYSICAL & PSYCHOLOGICAL PARAMETER [BP,BALANCE,QOL,SAD] IN ADULT STROKE PATIENTS.
- 19.EFFECT OF DEEP OSCILLATION THERAPY IN REDUCING PAIN, AND IMPROVING FUNCTIONAL ABILITY IN PATIENTS WITH CHRONIC NON SPECIFIC LOW BACK PAIN.
- 20.EFFECTS OF TECAR VS MAITLAND MOBILISATION ON PATIENTS WITH ACUTE ADHESIVE CAPSULITIS OF SHOULDER- A COMPARATIVE STUDY.
- 21.COMPARISION OF TECAR THERAPY Vs MYOFASCIAL RELEASE ON MYOFASCIAL PAIN IN LEVATOR SCAPULAE AND UPPER TRAPEZIUS MUSCLES.
- 22.EFFECT OF COMBINATION OF MYOFASCIAL RELEASE USING TENNIS BALL and STATIC STRETCHING TECHNIQUE ON GASTROSOLEUS MUSCLE SPASTICITY TO IMPROVE ANKLE DORSIFLEXION ROM AND BALANCE IN POST STROKE SURVIVORS.

- 23.EFFECTS OF PARTIAL-BODY WEIGHT SUPPORTED TREADMILL TRAINING ON NON-AMBULATORY CEREBRAL PALSY CHILDREN.
- 24.MYOFASCIAL RELEASE VS DEEP OSSCILATION THERAPY ON LENGTH AND TONE OF HAMSTRING MUSCLE IN CHILDREN WITH SPASTIC CEREBRAL PALSY - A COMPARATIVE STUDY.
- 25.CORRELATION BETWEEN PRONATED FOOT AND PELVIC INCLINATION, FEMORAL ANTEVERSION, QUADRICEPS ANGLE AND TIBIAL TORSION IN ASYMPTOMATIC ADULTS.
- 26.EFFICACY OF LASER THERAPY IN CHANGE OF LENGTH, ENDURANCE OF ERECTORSPINAE AND PELVIS OBLIQUITY IN SUBJECTS WITH LOWER CROSSED SYNDROME TYPE A.
- 27.EFFECT OF BALANCE TRAINING ON GAIT AND FUNCTIONAL ABILITIES IN PERSON'S WITH HEMIPLEGIA DUE TO STROKE.
- 28.EFFICACY OF CERVICO-THORACIC ELECTRICAL SENSORY STIMULATION ON WRIST FLEXOR SPASTICITY OF PERSONS WHO SURVIVED CEREBROVASCULAR ACCIDENT (CVA).
- 29.A PROTOCOL ON CONTROLLING BODY-MIND AND BREATH ON QUALITY OF LIFE AND DEPRESSION, ANXIETY, STRESS IN CARE TAKERS OF PERSONS WITH DISABILITY.
- 30.EVALUATION OF GOAL ORIENTED OUTCOMES OF NDT IN CHILDREN WITH CEREBRAL PALSY.
- 31.PIRIFORM IS TIGHTNESS IN OA KNEE- A CORELATIONAL STUDY.
- 32.IDENTIFICATION OF RISK FACTORS FOR CEBRAL PALSY A PUBLIC HEALTH CONCERN.
- 33.EVALUATION OF ANKLE MORBIDITY FOLLOWING ACL RECONSTRUCTION WITH PERONEUS LONGUS GRAFT AND THE EFFECTIVENESS OF MULLIGAN'S MOBILIZATION WITH MOVEMENTS TECHNIQUES FOR DONER ANKLE FUNCTION – A PERSPECTIVE STUDY.

DEPARTMENT OF OCCUPATIONAL THERAPY:

R&D PROJECT COMPLETED:

1. EFFECTS OF MIRROR THERAPY (MT) AND MODIFIED CONSTRAINT INDUCED MOVEMENT THERAPY ON IMPROVEMENT OF HAND IN STROKE SURVIVORS: A COMPARATIVE STUDY.

2. THE EFFECT OF CONTINUOUS PASSIVE MOTION (CPM) VERSUS STATIC PROGRESSIVE SPLINT IN POST FRACTURE STIFFNESS OF ELBOW IN IMPROVING THE UPPER LIMB FUNCTION.
3. EVALUATION OF THE POST STROKE CHECKLIST: A QUALITATIVE STUDY.
4. A STUDY TO FIND OUT THE EFFECT OF TOILET TRAINING EDUCATION PROGRAM FOR CHILDREN WITH CEREBRAL PALSY TO THE MOTHER ON MOTHER'S SATISFACTION ON TOILET TRAINING OF THEIR CEREBRAL PALSY CHILD.
5. A STUDY TO FIND OUT THE EFFECT OF ARM MOVEMENT THROUGH SENSORY BASED GAME ON IMPROVING POSTURAL CONTROL IN SPASTIC DIPLEGIC CEREBRAL PALSY.
6. EFFECT OF SENSORY REEDUCATION ON HAND DEXTERITY IN POST STROKE CLIENTS – A COMPARATIVE STUDY.
7. A STUDY ON EFFECT OF PLAY THERAPY ON IMPROVING UPPER EXTREMITY MOTOR FUNCTION IN CHILDREN WITH OBSTETRIC BRACHIAL PLEXUS INJURY.
8. EFFECT OF PROLONG STANDING TO IMPROVE BALANCE AND GAIT OF CHILDREN WITH CEREBRAL PALSY.
9. A STUDY TO FIND OUT CORRELATION BETWEEN THE LATERAL FLARED OUT POSITION OF RIB CAGE & THE AGE OF CEREBRAL PALSY CHILDREN.
10. AN EFFICACY STUDY ON IMPROVING BALANCE IN SUB ACUTE STROKE PATIENTS BY PROPRIOCEPTIVE TRAINING WITH ADDITIONAL MOTOR IMAGERY.

11. A STUDY TO FIND OUT THE CORRELATION BETWEEN PRAXIS PATTERNS AND SOCIAL PARTICIPATION AMONG CHILDREN WITH AUTISM SPECTRUM DISORDER.

12. CORRELATION BETWEEN ADULT PLAYFULNESS AND SENSORY PROCESSING OF CHILDREN WITH AUTISM SPECTRUM DISORDER.

13. EFFECTS OF FUNCTIONAL ELECTRICAL STIMULATION WITH AND WITHOUT WRIST - HAND ORTHOSIS ON HAND FUNCTION IN POST STROKE SURVIVORS.

14. A STUDY ON TASK SPECIFIC TRAINING WORK SIMULATION STRATEGY FOR IMPROVING HAND FUNCTION IN STROKE.

- 15.EFFECTS OF MODIFIED CUSHION TO PREVENT PRESSURE SORE AND TO IMPROVE POSTURAL BEHAVIOURAL CHANGES WHILE SITTING ON WHEELCHAIR FOR THE PERSONS WITH SPINAL CORD INJURY.**
- 16.EFFECT OF MULTI-SENSORY ENVIRONMENT (MSE) ON ATTENTION AND MOTOR RECOVERY IN POST STROKE PATIENTS.**
- 17.A CORRELATION STUDY BETWEEN VISUAL PERCEPTION AND GAIT IN POST STROKE PATIENTS.**
- 18.EFFECT OF VIRTUAL REALITY ON GAIT REHABILITATION IN PATIENTS WITH GUILLAIN-BARRE SYNDROME.**
- 19.EFFECT OF RHYTHMIC ROTATION ON GROSS MOTOR FUNCTION IN CHILDREN WITH SPASTIC CEREBRAL PALSY.**
- 20.A COMPARATIVE STUDY BETWEEN CONTINUOUS PASSIVE MOTION AND CONVENTIONAL OCCUPATIONAL THERAPY IN STROKE PATIENT TO IMPROVE THE LEVEL OF FEEDING.**
- 21.EFFECT OF GROUP THERAPY ON SOCIAL PARTICIPATION IN AUTISM SPECTRUM DISORDER (ASD).**
- 22.DEPRESSION AMONG EARLY REPORTED MOTHER HAVING SPASTIC CEREBRAL PALSY CHILD AND LATE REPORTED MOTHER HAVING SPASTIC CEREBRAL PALSY CHILD – A COMPARATIVE STUDY.**
- 23.EFFECT OF VISUAL AND HAPTIC PERCEPTION TRAINING TO IMPROVE HANDWRITING SKILLS IN CHILDREN WITH ADHD**
- 24..A CORRELATION STUDY BETWEEN SHOULDER PAIN IN PERIARTHRITIS SHOULDER AND UPPER EXTREMITY FUNCTION FOLLOWING APPLICATION OF KINESIOTAPING ALONG WITH PNF.**
- 25.A COMPARATIVE STUDY TO FIND OUT THE EFFECT OF DYNAMIC SPLINTING WITH TASK ORIENTED APPROACH VERSUS STATIC SPLINTING WITH BILATERAL ARM TRAINING ON HAND FUNCTIONS AND ADL IN FIRST STROKE SURVIVORS.**

26.A COMPARATIVE STUDY TO FIND OUT THE EFFECT OF KINESIOTAPING WITH ISOMETRIC EXERCISES VERSUS HAND SPLINTING WITH ISOMETRIC EXERCISES ON HAND FUNCTION IN PATIENTS WITH RHEUMATOID ARTHRITIS.

27.EFFECT OF FLOORTIME INTERVENTION ON BEHAVIOR FOR CHILDREN WITH AUTISM SPECTRUM DISORDER.

28.EFFECT OF VAGUS NERVE STIMULATION ON UPPER EXTREMITY FUNCTION IN PATIENTS WITH ISCHEMIC STROKE.

DEPARTMENT OF PROSTHETICS AND ORTHOTICS:

1. DEVELOPMENT OF MODULAR B. K. PROSTHESIS.
2. DEVELOPMENT OF MODULAR A. K. PROSTHESIS.
3. EFFECT OF PREFABRICATED NEOPRENE HAND SPLINT ON GRIP STRENGTH IN CHILDREN WITH HEMIPLEGIC CEREBRAL PALSY.
4. IMMEDIATE EFFECT OF SILICONE INSOLES ON POSTURE AND BALANCE IN CHILDREN WITH FLEXIBLE FLAT FOOT.
5. A STUDY ON CLINICAL EFFICACY OF MODIFIED MOULDED AFO IN THE MANAGEMENT OF CLUB FOOT.
6. IMPACT OF GAITER ON ELBOW SPASTICITY AND PAIN IN SUBJECTS WITH STROKE.
7. EFFECT OF RIGID LUMBOSACRAL ORTHOSIS ON RADIOGRAPHIC FEATURES AND PAIN IN PATIENTS WITH SPONDYLOLISTHESIS.
8. EFFECT OF ANKLE FOOT ORTHOSIS ON STATIC STABILITY AND BALANCE IN SUBJECTS WITH SPASTIC DIPLEGIC CEREBRAL PALSY.
9. EFFECT OF ALTERATIONS OF ALIGNMENT OF ANKLE FOOT ORTHOSIS ON SUBJECTS WITH STROKE.
- 10.COMPARISON BETWEEN FLAT AND CUSTOMISED SEAT CUSHION IN SUBJECTS WITH SPINAL CORD INJURY.
- 11.COMBINED EFFECT OF DYNAMIC HAND SPLINT AND THERAPY ON HANDGRIP STRENGTH IN SUBJECTS WITH STROKE.
- 12.IMMEDIATE EFFECT OF BRACING ON BALANCE AND POSTURE IN ADOLESCENT IDIOPATHIC SCOLIOSIS.