

MARCH 2002

[KG 703]

Sub. Code : 8007

MASTER OF PHYSIOTHERAPY (M.P.T) DEGREE  
EXAMINATION.

Second Year

(Revised Regulations)

Paper I — ADVANCED PHYSIOTHERAPY  
MANAGEMENT

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Discuss the mechanics of an endoprosthesis in a total hip replacement. Describe management in a 60 yr. old lady with total hip replacement on the left side. List any five complications of total hip replacement. (5 + 10 + 5)

2. Classify Peripheral Neuropathy according to aetiology. Discuss the management of a Double Nerve palsy in a case of Leprous Neuritis. (5 + 15)

3. Define Cardiac Rehabilitation. Discuss cardiac rehabilitation in a 50 yr. old male with extensive Anterior wall myocardial Infarction. What is Risk factor modification in Ischaemic Heart Disease? (3 + 12 + 5)

4. Write short notes on : (8 × 5 = 40)

(a) What are the various aspects of Ante-Natal care?

(b) List causes and give management of Carpal tunnel syndrome.

(c) Describe Spontaneous activity in Needle EMG.

(d) Give any one protocol of rehabilitation following tendon transfer.

(e) Describe five methods of reducing spasticity.

(f) What is Mckenzie exercise?

(g) Give long term management of varicose veins.

(h) Describe how you will maintain Bronchial hygiene in an immediate post-operative period.

SEPTEMBER 2002

[KH 703]

Sub. Code : 8007

MASTER OF PHYSIOTHERAPY (MPT) DEGREE  
EXAMINATION.

Second Year

(Revised Regulations)

Paper I — ADVANCED PHYSIOTHERAPY  
MANAGEMENT

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

1. Classify fractures of femur. Give the detailed orthopaedic and physiotherapy management of fractures of neck of Femur. (20)
2. Explain the functions of cerebellum with examples. Describe the assessment and detailed physiotherapy management of a patient with right cerebellar dysfunction. (20)
3. Essay on "Pulmonary Rehabilitation". (20)
4. Write short notes on : (8 × 5 = 40)
  - (a) Ergogenic Aids.
  - (b) EMG biofeedback
  - (c) Physiotherapy management in a moderately disabled patient with multiple sclerosis.

(d) Role of physiotherapist in maintaining bronchial hygiene.

(e) Balance and equilibrium reactions.

(f) Importance of post natal exercises emphasizing on back ache post pregnancy.

(g) Use of ligaments and menisci around the knee joint.

(h) Role of physiotherapy in Alleviating Menstrual and Premenstrual problems.



**APRIL 2004**

**[KK 702]**

**Sub. Code : 8007**

**MASTER OF PHYSIOTHERAPY (MPT) DEGREE  
EXAMINATION.**

**Second Year**

**(Revised Regulations)**

**Paper I — ADVANCED PHYSIOTHERAPY  
MANAGEMENT**

**Time : Three hours**

**Maximum : 100 marks**

**Theory : Two hours and**

**Theory : 80 marks**

**forty minutes**

**M.C.Q. : Twenty minutes**

**M.C.Q. : 20 marks**

**Answer ALL questions.**

**Draw suitable diagrams wherever necessary.**

**A. Essay :**

**(2 × 15 = 30)**

**(1) Describe in detail about management of unconsciousness patient.**

**(2) Elaborate on the management of anterior cruciate ligament injuries.**

**B. Write short notes on :**

**(10 × 5 = 50)**

- (1) Principles of geriatric rehabilitation**
- (2) Neuro transmitters**
- (3) Decerebrate and decorticate rigidity**
- (4) Lambert - Eaton syndrome**
- (5) Diabetic foot**
- (6) Neurogenic bladder**
- (7) Auscultation**
- (8) Exercise tolerance testing**
- (9) Pelvic floor exercise**
- (10) Bladder retraining for post-natal women.**

**FEBRUARY 2005**

**[KM 702]**

**Sub. Code : 8103**

**MASTER OF PHYSIOTHERAPY (MPT) DEGREE  
EXAMINATION.**

**Second Year**

**(Revised Regulations)**

**Paper I — ADVANCED PHYSIOTHERAPY  
MANAGEMENT**

**Time : Three hours                      Maximum : 100 marks**

**Theory : Two hours and                      Theory : 80 marks  
forty minutes**

**M.C.Q. : Twenty minutes                      M.C.Q. : 20 marks**

**Answer ALL questions.**

**Draw suitable diagrams wherever necessary.**

**I. Essay :    (2 × 15 = 30)**

**(1) Classify peripheral vascular diseases. Write  
in detail the evaluation and management of chronic  
venous insufficiency.    (3+5+7)**

**(2) Explain about the physical properties of bone  
and how it reacts to various stresses.**

**II. Write Short Notes on :    (10 × 5 = 50)**

- (a) Charcot's Joints.**
- (b) P.T. Management for hepatic encephalopathy.**
- (c) Neural control of airway resistance.**
- (d) Pott's Fracture.**
- (e) Vojta Technique.**
- (f) Quadriceps training following patellectomy.**
- (g) Meralgia paresthetica**
- (h) Zones of Hand for post-traumatic surgical  
evaluation.**
- (i) Common Gait deviations.**
- (j) Prevention of cardio-pulmonary de-  
conditioning in geriatric patients.**



MARCH 2006

[KO 702]

Sub. Code : 8103

MASTER OF PHYSIOTHERAPY (MPT) DEGREE  
EXAMINATION.

Second Year

(Revised Regulations)

Paper I — ADVANCED PHYSIOTHERAPY  
MANAGEMENT

Time : Three hours                      Maximum : 100 marks

Theory : Two hours and                      Theory : 80 marks  
forty minutes

M.C.Q. : Twenty minutes                      M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay :    (2 × 15 = 30)

(1) Discuss the classification of soft tissue injuries with their pathomechanics and their P.T. management.

(2) Discuss the classification of common facilitatory and inhibitory treatment techniques in Neurological P.T.

II. Short notes on :    (10 × 5 = 50)

(a) Age related functional changes in the pulmonary system.

(b) Cardiovascular drift.

(c) Quick phasic withdrawal.

(d) Diabetic polyneuropathy.

(e) Functions of spinal orthosis.

(f) Trigger finger.

(g) Restless leg syndrome.

(h) Fitness in child bearing year.

(i) Stroke syndromes.

(j) Fatigue.

SEPTEMBER 2006

[KP 702]

Sub. Code : 8103

MASTER OF PHYSIOTHERAPY (MPT) DEGREE  
EXAMINATION

Second Year

(Revised Regulations)

Paper I — ADVANCED PHYSIOTHERAPY  
MANAGEMENT

Time : Three hours

Maximum : 100 marks

Theory : Two hours and  
forty minutes

Theory : 80 marks

M.C.Q. : Twenty minutes

M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay :

1. Describe P.T interventions for patients with peripheral vascular disorders. (20)
2. Define Asthma and discuss the clinical features and pathology of the disease. Medical and physiotherapy management during the acute stage of attack. (15)
3. Explain the problems associated with ageing and give physiotherapy management for Lumbar Spondylosis. (15)

II. Short notes on:

(6 × 5 = 30)

- (a) Rood's approach
- (b) Role of P.T in paediatric OP clinic
- (c) Body positioning
- (d) Energy expenditure during walking, running and swimming
- (e) P.T and gynaecological surgery
- (f) Antenatal education.



FEBRUARY 2007

[KQ 702]

Sub. Code : 8103

MASTER OF PHYSIOTHERAPY (MPT) DEGREE  
EXAMINATION.

Second Year

(Revised Regulations)

Paper I — ADVANCED PHYSIOTHERAPY  
MANAGEMENT

Time : Three hours                      Maximum : 100 marks

Theory : Two hours and                      Theory : 80 marks  
forty minutes

M.C.Q. : Twenty minutes                      M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay questions :

(1) Describe Parkinsonism management with  
the following perspectives in detail. (20)

- (a) Relaxation exercises. (3)
- (b) Flexibility exercises. (2)
- (c) Mobility exercises. (3)

- (d) Gait retraining. (4)
- (e) Surgical management. (3)
- (f) Assessment of Parkinsonism. (5)

(2) Describe in detail about the principles of  
assessment and treatment executed in Neonatal ICU. (15)

(3) Write down in detail about the principles and  
concepts of Bobath technique for managing stroke  
patients. (15)

II. Short notes : (6 × 5 = 30)

- (a) WEBER's syndrome
- (b) Compare and contrast tightness and  
contracture.
- (c) Relaxation techniques during labour.
- (d) Underwater seal drainage system and its  
physical therapy perspectives.
- (e) Classification and staging of lung carcinoma.
- (f) Chondromalacia patella and its  
physiotherapy management.

**MARCH 2008**

**[KS 702]**

**Sub. Code :8103**

**MASTER OF PHYSIOTHERAPY (MPT) DEGREE  
EXAMINATION.**

**Second Year**

**(Revised Regulations)**

**Paper I — ADVANCED PHYSIOTHERAPY  
MANAGEMENT**

**Q. P. Code : 278103**

**Time : Three hours**

**Maximum : 100 marks**

**Answer ALL questions.**

**Draw suitable diagrams where necessary**

**I. Long Essay : (2 × 20 = 40)**

**1. List the risk factors for Cerebro vascular accidents. Describe the clinical features, assessment and management of right hemisphere stroke. (20)**

**2. Explain the patho-physiology of spasticity. How is it graded? Describe the various methods available for the management of spasticity. (20)**

**II. Short notes : (10 × 6 = 60)**

- 1. Terminal devices in Upper Extremity prosthesis.**
- 2. Pressure sore.**
- 3. Deep vein Thrombosis.**
- 4. Prevention of falls in the elderly.**
- 5. Aphasia.**
- 6. Pelvic floor exercises.**
- 7. Fatigue.**
- 8. Physiological changes in pregnancy.**
- 9. Restless leg syndrome.**
- 10. Diabetic poly neuropathy.**

March 2009

[KU 702]

Sub. Code: 8103

**MASTER OF PHYSIOTHERAPY (MPT)  
DEGREE EXAMINATION**

**(Revised Regulations)**

**SECOND YEAR**

**Paper I – ADVANCED PHYSIOTHERAPY MANAGEMENT**

*Q.P. Code : 278103*

**Time : Three hours**

**Maximum : 100 marks**

**Answer All questions**

**Draw suitable diagrams where ever necessary**

**I. Essay questions :**

**(2 x 20 = 40)**

1. Describe the role of physiotherapy in peripheral vascular diseases.
2. Write on Aetiology, Classification, Assessment, Investigations, Physiotherapy Goals and intervention for Spina Bijida.

**II. Write short notes on :**

**(10 x 6 = 60)**

1. Cervical syndrome.
2. Dynamometry for Limb Muscle Group.
3. Weak Pelvic floor muscles and its significance and exercises.
4. Nebulizers.
5. Investigations for Intra cranial Neoplasms.
6. Out patient exercise program following coronary artery bypass graft.
7. PT Management for Myasthenia gravis.
8. Vojta technique.
9. Clinical methods of exercise tolerance testing.
10. Rood's approach.

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September 2009

[KV 702]

Sub. Code: 8103

**MASTER OF PHYSIOTHERAPY (MPT)  
DEGREE EXAMINATION**

**(Revised Regulations)**

**SECOND YEAR**

**Paper I – ADVANCED PHYSIOTHERAPY MANAGEMENT /  
PHYSIOTHERAPY MANAGEMENT**

*Q.P. Code : 278103*

**Time : Three hours**

**Maximum : 100 marks**

**Answer All questions**

**Draw suitable diagrams where ever necessary**

**I. Essay questions :**

**(2 x 20 = 40)**

1. Discuss in detail about the pulmonary rehabilitation.
2. Discuss the diagnosis of children with disability and write in detail about physiotherapy intervention for congenital musculo skeletal deformities of upper limb and trunk.

**II. Write short notes on :**

**(10 x 6 = 60)**

1. Pulses profile.
2. Physiotherapy management for diabetic neuropathy.
3. KATZ INDEX of activities of daily living.
4. How to assess and manage planter fascites.
5. Emergency medications in cardio pulmonary resuscitation.
6. Musculo skeletal case history analysis in geriatrics.
7. Energy conservation technique.
8. Cranial nerve examination.
9. Cough stimulation in quadriplegics.
10. Brown sequard syndrome.

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March 2010

[KW 702]

Sub. Code: 8103

**MASTER OF PHYSIOTHERAPY (MPT)  
DEGREE EXAMINATION**

**(Revised Regulations)**

**SECOND YEAR**

**Paper I – ADVANCED PHYSIOTHERAPY MANAGEMENT /  
PHYSIOTHERAPY MANAGEMENT**

*Q.P. Code : 278103*

**Time : Three hours**

**Maximum : 100 marks**

**Answer All questions**

**Draw suitable diagrams where ever necessary**

**I. Essay questions :**

**(2 x 20 = 40)**

1. Enumerate the difference between physiotherapy intervention for non surgical cardiac versus pulmonary dysfunction.
2. Write in detail about the physiotherapy treatment techniques for hemiplegic patient at recovery stage.

**II. Write short notes on :**

**(10 x 6 = 60)**

1. Balance strategies.
2. Heterotropic ossification.
3. Deep vein thrombosis.
4. Inspiratory muscle training.
5. Posterior heel pain.
6. Geriatric rehabilitation in case of lumbar canal stenosis.
7. Physiotherapy management for a patient in mechanical ventilation.
8. How to relieve the discomforts of pregnancy.
9. Poly neuropathy.
10. Active cycle of breathing techniques.

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September 2010

[KX 702]

Sub. Code: 8103

**MASTER OF PHYSIOTHERAPY (MPT)  
DEGREE EXAMINATION  
(Revised Regulation)**

**For candidates admitted from 2000-2001 onwards & 2005-2006 onwards**

**SECOND YEAR**

**Paper I – ADVANCED PHYSIOTHERAPY MANAGEMENT /  
PHYSIOTHERAPY MANAGEMENT**

*Q.P. Code : 278103*

**Time : Three hours**

**Maximum : 100 marks**

**Answer All questions**

**Draw suitable diagrams where ever necessary**

**I. Essay questions :**

**(2 x 20 = 40)**

1. Describe the gait training sequence for a patient with paraplegia who will be using orthoses and discuss on self care management.
2. Discuss the assessment, diagnosis and management with more emphasis on physiotherapy management for Trauma to the chest.

**II. Write short notes on :**

**(10 x 6 = 60)**

1. Pelvic floor exercise.
2. Bronchial hygiene.
3. Brown sequard syndrome.
4. Benign paroxysmal positional vertigo.
5. Functional restoration programme.
6. Rigidity assessment and exercises to reduce rigidity in Parkinson's disease.
7. How to assess and manage lateral epicondylitis?
8. Modified Barthel Index Scale.
9. Assessment of children with respiratory dysfunction.
10. Physiotherapy management for patello femoral arthritis following patellar fracture.

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**MAY 2011**

**[KY 702]**

**Sub. Code: 8103**

**MASTER OF PHYSIOTHERAPY (MPT)**

**DEGREE EXAMINATION**

**Revised Regulation :**

**For candidates admitted from 2000-2001 onwards & 2005-2006 onwards**

**SECOND YEAR**

**PAPER I – ADVANCED PHYSIOTHERAPY MANAGEMENT /**

**PHYSIOTHERAPY MANAGEMENT**

*Q.P. Code : 278103*

**Time : Three hours**

**Maximum : 100 marks**

**Answer All questions**

**Draw suitable diagrams where ever necessary**

**I. Essay Questions :**

**(2 x 20 = 40)**

1. a) Principles of geriatric rehabilitation.  
b) Physiology of aging.  
c) Role of physiotherapist in geriatric rehabilitation.
2. Problem oriented medical records, role of physiotherapist in Chronic Obstructive Pulmonary Diseases.

**II. Write Short Notes :**

**(10 x 6 = 60)**

1. Physiotherapy for ankle lateral ligament sprain.
2. Scientifically justified low back rehabilitation exercises.
3. Mechanical ventilation.
4. Vojta techniques.
5. Importance of prenatal exercise & early bird classes.
6. Pulses profile.
7. Advanced physiotherapy management in Parkinson's disease.
8. Define mechanical ventilation elaborate weaning mode in ventilation.
9. Physiotherapy management following ACL reconstruction.
10. Jumper's knee-differential diagnosis & drop squat programme.

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October 2011

[KZ 702]

Sub. Code: 8103

**MASTER OF PHYSIOTHERAPY (MPT) DEGREE EXAMINATION**

**Revised Regulation : For candidates admitted from 2000-2001 onwards  
& 2005-2006 onwards**

**SECOND YEAR**

**PAPER I – ADVANCED PHYSIOTHERAPY MANAGEMENT /**

**PHYSIOTHERAPY MANAGEMENT**

*Q.P. Code : 278103*

**Time : 3 hours  
(180 Min)**

**Maximum : 100 marks**

**Answer ALL questions in the same order.**

**I. Elaborate on :**

	<b>Pages (Max.)</b>	<b>Time (Max.)</b>	<b>Marks (Max.)</b>
1. Cardiac rehabilitation in ischemic heart disease. Physiotherapy assessment and interventions on myocardial infarction patients.	17	40	20
2. A 50 year old female with rheumatoid arthritis gets cerebrovascular accident and ends up in hemiplegia. Elaborate Physical therapy assessment and management.	17	40	20

**II. Write notes on :**

1. Physiotherapy for patellar tendonitis.	4	10	6
2. Physiotherapy management in lumbar canal stenosis.	4	10	6
3. Incentive spirometry.	4	10	6
4. Neuro developmental therapy.	4	10	6
5. Weak pelvic floor muscles, significance and treatment.	4	10	6
6. Kenny self care evaluation.	4	10	6
7. Motor neuron disease-physiotherapy management.	4	10	6
8. Physiotherapy management in restrictive lung diseases.	4	10	6
9. Physiotherapy management in grade II spondylolithesis.	4	10	6
10. Tendonitis of Achilles tendon and physiotherapy management including specialized exercise program.	4	10	6

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**April 2012**

[LA 702]

**Sub. Code: 8103**

**MASTER OF PHYSIOTHERAPY (MPT) DEGREE EXAMINATION**

**Revised Regulation : For candidates admitted from 2000-2001 onwards & 2005-2006 onwards**

**SECOND YEAR**

**PAPER I – ADVANCED PHYSIOTHERAPY MANAGEMENT /  
PHYSIOTHERAPY MANAGEMENT**

*Q.P. Code : 278103*

**Time : 3 hours  
(180 Min)**

**Maximum : 100 marks**

**Answer ALL questions in the same order.**

**I. Elaborate on :**

**Pages Time Marks  
(Max.) (Max.) (Max.)**

- |   |    |    |    |
|---|----|----|----|
| 1. Write the detailed assessment and management for a 70 year old male treated with hemi replacement arthroplasty for fracture neck of femur. | 17 | 40 | 20 |
| 2. Explain in detail about rehabilitation program following coronary artery bypass grafting.  | 17 | 40 | 20 |

**II. Write notes on :**

- |  |   |    |   |
|--|---|----|---|
| 1. Physiotherapy management for tennis elbow.      | 4 | 10 | 6 |
| 2. Spina bifida.                                   | 4 | 10 | 6 |
| 3. Periarthritis shoulder.                         | 4 | 10 | 6 |
| 4. Humidification.                                 | 4 | 10 | 6 |
| 5. Normal ECG.                                     | 4 | 10 | 6 |
| 6. Physiotherapy management of multiple sclerosis. | 4 | 10 | 6 |
| 7. Roods approach.                                 | 4 | 10 | 6 |
| 8. Milestones from birth.                          | 4 | 10 | 6 |
| 9. Physiological changes during pregnancy.         | 4 | 10 | 6 |
| 10. Kartz index of ADL.                            | 4 | 10 | 6 |

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[LB 702]

OCTOBER 2012

Sub. Code: 8103

MPT DEGREE EXAMS

Revised Regulation : For candidates admitted from  
2000-2001 onwards & 2005-2006 onwards

SECOND YEAR

PAPER I – ADVANCED PHYSIOTHERAPY MANAGEMENT /  
PHYSIOTHERAPY MANAGEMENT

*Q.P. Code : 278103*

Time : 3 hours  
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages Time Marks  
(Max.)(Max.)(Max.)

- |   |    |    |    |
|---|----|----|----|
| 1. Write the detailed assessment and management for a 60 year old female patient with ischemic stroke.                  | 17 | 40 | 20 |
| 2. Explain in detail about the assessment and physical therapy intervention for chronic obstructive pulmonary diseases. | 17 | 40 | 20 |

II. Write Notes on :

- |   |   |    |   |
|---|---|----|---|
| 1. CTEV.  | 4 | 10 | 6 |
| 2. Management of grade II lateral ligament injury of ankle. | 4 | 10 | 6 |
| 3. Claw hand.   | 4 | 10 | 6 |
| 4. Incentive spirometry.                                    | 4 | 10 | 6 |
| 5. Tracheostomy.  | 4 | 10 | 6 |
| 6. Oxygen therapy.  | 4 | 10 | 6 |
| 7. Vojta technique.   | 4 | 10 | 6 |
| 8. Becker muscular dystrophy.                               | 4 | 10 | 6 |
| 9. Pelvic floor exercises.                                  | 4 | 10 | 6 |
| 10. Barthel index.  | 4 | 10 | 6 |

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[LC 702]

APRIL 2013

Sub. Code: 8103

**MPT DEGREE EXAMS**

**(Revised Regulation : For candidates admitted  
from 2000-2001 onwards & 2005-2006 onwards)**

**SECOND YEAR**

**PAPER I – ADVANCED PHYSIOTHERAPY MANAGEMENT /  
PHYSIOTHERAPY MANAGEMENT**

*Q.P. Code : 278103*

**Time : 3 hours**

**Maximum : 100 marks**

**I. Elaborate on :**

**(2x20=40)**

1. What are the indications for Total knee replacement? Discuss pre and post operative physiotherapeutic assessment and management for a 60 year old female who has undergone Bilateral Total knee Replacement.
2. Define BREATHING EXERCISES. Discuss the various types of breathing exercises. Describe the Evaluation and physiotherapy management for patients with common pulmonary diseases.

**II. Write notes on :**

**(10x6=60)**

1. Colle's Fracture.
2. Rheumatoid hand.
3. Physiotherapy for Ankylosing spondylitis.
4. Classification of ventilators.
5. Types of chest injuries.
6. Hamstring strain.
7. ATAXIA.
8. Musculoskeletal pain during pregnancy.
9. Physiological changes in pregnancy.
10. Barthel Index.

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[LD 702]

OCTOBER 2013

Sub. Code: 8103

**MASTER OF PHYSIOTHERAPY DEGREE EXAMINATIONS**

**(Revised Regulation : For candidates admitted  
from 2000-2001 onwards & 2005-2006 onwards)**

**SECOND YEAR**

**PAPER I – ADVANCED PHYSIOTHERAPY MANAGEMENT /  
PHYSIOTHERAPY MANAGEMENT**

*Q.P. Code : 278103*

**Time: Three Hours**

**Maximum: 100 marks**

**Answer ALL Questions**

**I. Elaborate on:**

**(2 x 20 = 40)**

1. Write a detailed assessment and management of a 50 year old patient with stroke involving Right middle cerebral artery.
2. Explain in detail the assessment and management of a 46 year old man with myocardial infarction with emphasis on seven step rehabilitation programme.

**II. Write notes on:**

**(10 x 6 = 60)**

1. Hoehn- yahr grading.
2. Abnormal reflexes.
3. Barthel index.
4. Management of asthma.
5. Congenital Talipes equinovarus.
6. Nebulization.
7. Management of Idiopathic Parkinson.
8. Bells palsy.
9. Myofascial pain syndrome.
10. Oxygen therapy.

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