

## Physical Rehabilitation in Pediatrics

### Final Exam Topics:

1. What is it Cerebral palsy (CP) – definition ?
2. What is the primary impairments in children with Cerebral palsy? Describe it and give some examples.
3. What is the secondary impairments in children with Cerebral palsy? Describe it and give some examples.
4. What is the tertiary impairments in children with Cerebral palsy? Describe it and give some examples.
5. Orthopedic evaluation of popliteal angle; Starting position, movement, goniometric alignment, normal ROM for this articulation.
6. Orthopedic evaluation of hip flexion; Starting position, movement, goniometric alignment, normal ROM for this articulation.
7. Orthopedic evaluation of hip extension; Starting position, movement, goniometric alignment, normal ROM for this articulation.
8. Orthopedic evaluation of hip Internal rotation; Starting position, movement, goniometric alignment, normal ROM for this articulation.
9. Orthopedic evaluation of hip abduction (Adductor longus muscle); Starting position, movement, goniometric alignment, normal ROM for this articulation.
10. Orthopedic evaluation of hip abduction (Magnus muscle); Starting position, movement, goniometric alignment, normal ROM for this articulation.
11. Orthopedic evaluation of hip abduction (Gracilis muscle); Starting position, movement, goniometric alignment, normal ROM for this articulation.
12. Orthopedic evaluation of pes varus; Starting position, goniometric alignment, normal value.
13. What kind of complications are often in CP?
14. Basic aspects of physical therapy in spastic CP.
15. Evaluation of Triceps muscle spasticity. Technique of evaluation: Starting position, movement, goniometric alignment, which scale do you use?
16. Evaluation of Quadriceps muscle spasticity. Technique of evaluation: Starting position, movement, goniometric alignment, which scale do you use?
17. Which neurofacilitation techniques do you know and what they try to improve?
18. Describe the rolling movement from supine to prone position with guidance of therapist.
19. Describe the lower extremity inhibition technique.
20. Describe the upper extremity inhibition technique.
- 21.
22. Ankle ROM evaluation: Starting position, movement, goniometric alignment, normal ROM for this movement.

23. The goals of Botulinum Toxin Treatments.
24. Orthopedic evaluation of Elbow flexion: Starting position, movement, goniometric alignment, normal ROM for this movement.
25. Orthopedic evaluation of Elbow Extension: Starting position, movement, goniometric alignment, normal ROM for this movement.
26. Describe the spastic Hemiplegia. Basic aspects of physical therapy in Hemiplegia
27. Describe the spastic Diplegia. Basic aspects of physical therapy in Diplegia.
28. Describe the spastic Quadriplegia. Basic aspects of physical therapy in Quadriplegia.
29. Clinical definition of spasticity. What kind of treatments is known for muscle spasticity?
30. What is the proprioception?
31. What is the reason of the postural kyphosis in patients with lack of sitting balance, head control and axial hypotony?
32. What is the reason of the lumbar hyperlordosis in ambulatory patients in CP? Mechanisms by which the B.P. is injured mostly.
33. Describe what is the 'Erb's palsy' ? Basic aspects of physical therapy in BP.
34. What types of B.P.I do you know (4 types)
35. What are goals of physical therapy in B.P.I. ?
36. What are indication for spasticity treatment? List them.
37. What are the goals of Botulinum Toxin treatment?
38. What are the indication of AFO ?
39. What are the stretchers benefits?
40. What kind of upper extremity braces do you know and what are the goals of using them?
41. What type of walkers exist and what are the priorities of each of them?
42. What is SB? Definition of spina bifida.
43. What types of SB are? Describe SB occulta
44. What is the most frequent location of SB and What are the physical signs and symptoms of SB?
45. Basic aspects of physical therapy in myelomeningocele (Lumber level).
46. What are the Range of Motion exercises ? ROM exercises indications.
47. What are the stretching exercises ? Stretching exercises indications.
48. Head control development in children: normal age? Give some examples of head control exercises.
49. What is the average age of creeping in children. Describe the cross lateral creeping .
50. What is the parachute reaction and what type of parachute reactions are known.