JD-NI
Gold Standard Coaching
For Nursing Competitive Exam

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JDNI ED08

PAEDIATRIC

NURSING

Video Lecture Index with Topic-wise Start Time

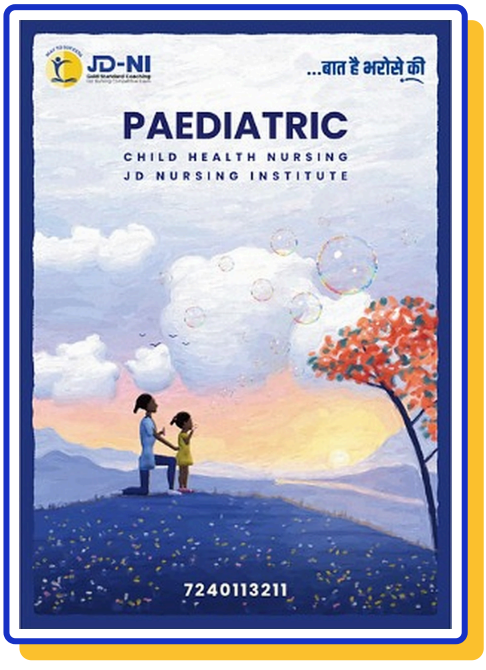
57	79+
VIDEO LECTURES	HOURS OF TEACHING

जहाँ तैयारी ही जीत है,
श्रेष्ठ संस्था, श्रेष्ठ परिणाम

JD Nursing Institute App › EDITION 08 › Video ED8 › Pediatric



EDITION 08 Course



Paediatric Module

JDNI ED08: PAEDIATRIC NURSING

EDITION 08 | Video Lecture Index with Topic-wise Start Time

57	79 hrs	15 Chapters	JDNI App
Video Lectures	Total Duration	Paediatric Module, 226 Pages	Video ED8 › Pediatric

CHAPTER-WISE INDEX (AS PER PAEDIATRIC MODULE)

S. No.	Chapter Name	Module Pages	Video Lectures
1	Neonatology	1 to 62	01 to 21
2	Growth and Development	63 to 80	22 to 26, 28
3	Nutrition	81 to 103	26 to 30, 52
4	Genetic Disorders and Pedigree Analysis	104 to 113	31, 32, 33
5	TORCH Infections	114 to 121	34, 35
6	Common Childhood Infections	122 to 126	35
7	Cardiovascular System in Paediatrics	127 to 150	36 to 41
8	Gastrointestinal System	151 to 173	42 to 45
9	Respiratory System	174 to 187	46, 47, 48
10	Central Nervous System	188 to 203	49 to 52
11	Genital System	204 to 205	53
12	Urinary System	206 to 215	53, 54, 55
13	Paediatric Orthopaedics	216 to 223	56, 57
14	Rheumatology	224 to 225	40, 57
15	Endocrine System	226	57

01 Neonatology

Module Pages 1 to 62

01 Intro to Paediatrics

Module Pages 1 to 2 | 02:06:39

0:00	Course Orientation & Study Strategy	–	1:21	Periods of Growth: Prenatal to Adolescence	Pg 1
1:15	Paediatrics: Definition & Scope	Pg 1	1:45	Perinatal Period, Abortion & Stillbirth	Pg 2

02 Newborn Classification-1

Module Pages 1 to 4 | 01:45:20

0:00	Periods of Growth (Recap)	Pg 1	0:50	Growth Chart: AGA, SGA, LGA	Pg 3
0:24	Newborn Classification: Birth Weight	Pg 2	1:14	SGA & IUGR Types	Pg 3
0:36	Classification by Gestational Age	Pg 3	1:34	IUGR Prevention & Ponderal Index	Pg 4

03 Newborn Classification-2

Module Pages 4 to 5 | 01:31:32

0:00	Ponderal Index & Causes of LGA	Pg 4	1:00	Post-term Baby Features	Pg 5
0:09	Assessment of Maturity: New Ballard Score	Pg 4	1:12	Paediatrics Syllabus Overview & Revision	–
0:42	Preterm vs Term Baby Features	Pg 5			

04 Care of Newborn-1

Module Pages 6 to 8 | 01:11:09

0:00	Introductory Discussion	Pg 6	0:35	Prophylaxis at Birth: Vitamin K	Pg 7
0:10	Routine Newborn Care: 6 Cleans & Cord Clamping	Pg 6	0:56	Normal Vital Signs in Newborn	Pg 8
0:25	Hypothermia Prevention & Early Breastfeeding	Pg 6			

05 Care of Newborn-2

Module Pages 8 to 12 | 02:36:24

0:00	Bathing, MAP, CRT & Identification	Pg 8	1:47	Caput Succedaneum vs Cephalhematoma	Pg 12
0:18	APGAR Score	Pg 9	2:09	Subgaleal Hematoma & Moulding	Pg 12
1:06	Head-to-Toe Exam: Skull & Fontanelles	Pg 11			

06 Care of Newborn-3

Module Pages 11 to 13 | 01:06:45

0:00	Moulding & Birth Weight Categories	Pg 12	0:34	Ear, Nose, Mouth & Epstein Pearls	Pg 13
0:19	Fontanelles & Eye Exam (Red Reflex)	Pg 11	0:47	Natal Teeth & Dentition	Pg 13

07 Care of Newborn-4

Module Pages 14 to 16 | 01:35:01

0:00	Neck Exam: Torticollis	Pg 14	0:52	Birth Marks & Milia	Pg 15
0:05	Chest & Breast: Witch's Milk	Pg 14	1:14	Abdomen & Umbilical Cord Care	Pg 16
0:17	Skin: Harlequin Sign, Vernix, Lanugo	Pg 14			

08 Care of Newborn-5

Module Pages 17 to 19 | 01:03:33

0:00	Genitalia: Female & Male, Hypospadias	Pg 17	0:50	Transition Period & Periods of Reactivity	Pg 19
0:23	Spine, Extremities, DDH & Anus	Pg 18	0:58	Pacifier: Non-nutritive Sucking	Pg 19
0:36	Safe Sleep (Supine) & SIDS Prevention	Pg 18			

09 Neonatal Reflexes-1

Module Pages 19 to 21 | 01:28:49

0:00	Neonatal Reflexes: Intro & Rooting	Pg 19	0:46	Moro Reflex	Pg 20
0:15	Sucking & Swallowing Reflex	Pg 19	1:05	Abnormal Moro: Absent, Unilateral, Persistent	Pg 21
0:29	Reflexes: Age of Onset & Disappearance	Pg 20			

10 Neonatal Reflexes-2

Module Pages 21 to 23 | 00:48:10

0:00	ATNR, Parachute & STNR	Pg 21	0:16	Babinski Sign	Pg 23
0:11	Landau Reflex	Pg 22	0:32	Blinking, Doll's Eye, Extrusion & Perez	Pg 23

11 Thermoregulation & KMC

Module Pages 24 to 28 | 01:48:20

0:00	Heat Loss vs Production	Pg 24	1:07	Hypothermia Prevention & Warm Chain	Pg 26
0:12	Modes of Heat Loss	Pg 24	1:23	Kangaroo Mother Care (KMC)	Pg 27
0:28	Preterm Risk & Brown Fat	Pg 25	1:40	Radiant Warmer	Pg 28
0:52	Hypothermia: Features	Pg 26			

12 LBW Feeding & Problems

Module Pages 28 to 31 — 01:02:46

0:00	KMC, Radiant Warmer & Incubator	Pg 28	0:36	IVH, Apnea (Caffeine) & Hearing Loss	Pg 30
0:06	Feeding in Preterm/LBW Babies	Pg 29	0:46	Retinopathy of Prematurity (ROP)	Pg 31
0:28	Problems of LBW Babies	Pg 30			

13 Neonatal Resuscitation-1

Module Pages 31 to 34 — 01:30:23

0:00	NRP Algorithm Overview	Pg 32	0:54	Bag & Mask Ventilation (BMV)	Pg 33
0:23	Initial Assessment & Initial Steps	Pg 31	1:12	Oxygen % & Target SpO2	Pg 34
0:43	Assess HR & Breathing, CPAP	Pg 33	1:18	BMV Contraindications: CDH, TEF	Pg 34

14 Neonatal Resuscitation-2

Module Pages 34 to 36 — 01:17:57

0:00	Effective PPV & Pre-ductal SpO2	Pg 34	0:58	Adrenaline: Dose & Routes	Pg 36
0:14	Endotracheal Intubation & ETT Size	Pg 34	1:10	Resuscitation Timelines & Duration	Pg 36
0:42	Chest Compressions (3:1)	Pg 36			

15 Neonatal Disorders (Infections)

Module Pages 38 to 40 — 00:48:05

0:00	Neonatal Infections: Omphalitis	Pg 38	0:10	Ophthalmia Neonatorum	Pg 39
0:05	Oral Thrush (Candidiasis)	Pg 39	0:31	Tetanus Neonatorum	Pg 40

16 Neonatal Sepsis & HIE

Module Pages 40 to 42 — 01:11:31

0:00	Neonatal Sepsis: Mortality & Causes	Pg 40	0:42	Birth Asphyxia & HIE	Pg 42
0:07	Early vs Late Onset Sepsis	Pg 41	0:55	Sarnat Staging & HIE Management	Pg 42
0:24	Sepsis: Diagnosis, Screening & Prevention	Pg 41			

17 Resp. Distress, TTN & RDS

Module Pages 43 to 46 — 01:39:56

0:00	Respiratory Distress: Features & Causes	Pg 43	0:44	RDS: Surfactant Deficiency	Pg 44
0:10	Silverman Anderson vs Downes Score	Pg 43	1:01	RDS: Features, CPAP & Surfactant	Pg 45
0:18	Transient Tachypnea of Newborn (TTN)	Pg 43	1:23	Antenatal Steroids for RDS	Pg 46

18 CDH, MAS & Hypoglycemia

Module Pages 47 to 50 — 01:26:16

0:00	Tests for Fetal Lung Maturity	Pg 47	0:53	Neonatal Hypoglycemia	Pg 50
0:09	Congenital Diaphragmatic Hernia (CDH)	Pg 47	1:09	Hypoglycemia Management & GIR	Pg 50
0:26	Meconium Aspiration Syndrome (MAS)	Pg 48			

19 IDM & NEC

Module Pages 51 to 53 — 01:04:09

0:00	IDM: Pedersen Hypothesis & Macrosomia	Pg 51	0:16	IDM: Congenital Anomalies & Prevention	Pg 52
0:10	IDM: Complications	Pg 51	0:46	Necrotizing Enterocolitis (NEC)	Pg 53

20 Neonatal Jaundice-1 Module Pages 53 to 57 — 02:08:15

0:00	Neonatal Jaundice: Bilirubin Metabolism	Pg 53	1:07	Pathological Jaundice	Pg 56
0:31	Assessment: TSB & Kramer's Rule	Pg 54	1:19	Causes: Hemolysis, G6PD, EHBA	Pg 56
0:53	Physiological Jaundice	Pg 55	1:42	Bilirubin Encephalopathy & Kernicterus	Pg 57

21 Neonatal Jaundice-2 Module Pages 58 to 62 — 02:02:07

0:00	Jaundice Screening Flow	Pg 58	1:25	Treatment Thresholds by Age	Pg 61
0:17	Phototherapy: Mechanism & Side Effects	Pg 58	1:35	Prolonged Jaundice	Pg 61
0:48	Phototherapy Nursing Care	Pg 59	1:50	Gilbert, Crigler-Najjar, Dubin-Johnson	Pg 62
0:59	Exchange Transfusion	Pg 60			

02 Growth and Development — Module Pages 63 to 80

22 Growth-1 Module Pages 63 to 64 — 01:03:48

0:00	Growth vs Development & Principles	Pg 63	0:58	Placental Factors	Pg 64
0:30	Factors Affecting Growth: Fetal & Hormonal	Pg 64			

23 Growth-2 Module Pages 65 to 67 — 01:34:27

0:00	Pubertal Changes: Females & Males	Pg 65	1:03	Broselow Tape & Weight Formulas	Pg 67
0:10	Growth Pattern: Brain & Scammon's Curves	Pg 66	1:10	Anthropometry: Length & Height	Pg 67
0:32	Anthropometry: Weight	Pg 66			

24 Growth-3 & Milestones-1 Module Pages 68 to 74 — 02:24:44

0:00	Segment Ratio & Arm Span	Pg 68	1:00	Skin Fold Thickness	Pg 70
0:17	Head Circumference	Pg 69	1:09	Gross Motor Milestones	Pg 72
0:35	Chest Circumference & MUAC	Pg 69	1:52	Fine Motor Milestones	Pg 74

25 Milestones-2 Module Pages 75 to 77 — 01:27:42

0:00	Language Milestones	Pg 75	1:04	Toilet Training	Pg 76
0:23	Social Milestones & Play	Pg 76	1:13	Vision & Hearing Milestones	Pg 77
0:47	Misc: Object Permanence, Hand Preference	Pg 76			

26 Milestones-3 Module Pages 77 to 80 — 01:44:06

0:00	Development Assessment & DQ	Pg 77	0:37	Red Flag Signs	Pg 79
0:25	Tests: Denver-II, Draw-a-Man	Pg 78	0:50	Types of Play	Pg 80

28 Breastfeeding-2 *continued* Module Page 71 — 01:04:53

0:56	Fetal Alcohol Syndrome	Pg 71			

03 Nutrition

Module Pages 81 to 103

26 Milestones-3 *continued* Module Page 81

01:44:06

1:09	Breastfeeding: Initiation	Pg 81	1:23	Let-down Reflex, Position & Latch	Pg 81

27 Breastfeeding-1 Module Pages 82 to 86

02:24:59

0:00	Technique & Adequate Feeding	Pg 82	1:19	Iron & Vitamins	Pg 85
0:08	Immunological Properties	Pg 82	1:26	Colostrum, Fore & Hind Milk	Pg 85
0:17	Nutritional Properties	Pg 83	1:47	Contraindications & EBM Storage	Pg 86
0:53	Benefits to Baby & Mother	Pg 84			

28 Breastfeeding-2 Module Pages 87 to 89

01:04:53

0:00	Galactosemia & Cracked Nipples	Pg 87	0:30	Drugs Affecting Lactation	Pg 88
0:16	Baby-Friendly Hospital Initiative	Pg 88	0:40	Infant of HIV-Positive Mother	Pg 89

29 Growth Chart Module Pages 90 to 92

01:23:43

0:00	Growth Chart: Percentiles & SD Lines	Pg 90	0:57	Malnutrition: Acute vs Chronic, SAM vs MAM	Pg 91
0:25	Road to Health Chart & WHO Charts	Pg 90	1:11	Practice MCQs on Growth Chart	Pg 91
0:48	Short Stature: Types	Pg 92			

30 Malnutrition Module Pages 91 to 98

01:52:41

0:00	Malnutrition: Classification	Pg 91	0:51	SAM: Home Management & RUTF	Pg 95
0:05	Kwashiorkor	Pg 93	1:05	Hypoglycemia, Hypothermia & Dehydration	Pg 96
0:33	Marasmus	Pg 93	1:36	F-75/F-100 Feeding & Discharge	Pg 97
0:46	SAM: Criteria & Types	Pg 94	1:49	Refeeding Syndrome	Pg 98

52 Seizures, DMD & Tics *continued* Module Page 102

01:41:49

1:33	Scurvy	Pg 102

04 Genetic Disorders and Pedigree Analysis

Module Pages 104 to 113

31 Chromosomal Disorders Module Pages 104 to 108

01:20:02

0:00	Genetic Disorders: Trisomy & Monosomy	Pg 104	0:51	Edward Syndrome	Pg 106
0:14	Down Syndrome: Causes & Features	Pg 104	1:03	Turner Syndrome	Pg 107
0:46	Prenatal Screening: Double, Triple, Quad	Pg 105	1:13	Klinefelter Syndrome	Pg 108

32 Pedigree Analysis-1 Module Pages 109 to 113 — 01:04:03

0:00	Modes of Inheritance: Mendelian & Non-Mendelian	Pg 109	0:21	Steps to Read a Pedigree Chart	Pg 112
0:12	Pedigree Symbols	Pg 111	0:35	Solving Pedigree Charts (Practice)	Pg 113

33 Pedigree Analysis-2 Module Pages 109 to 110 — 00:46:09

0:00	Autosomal Dominant vs Recessive	Pg 109	0:26	X-linked Recessive vs Dominant	Pg 110
0:16	Marfan Syndrome	Pg 110	0:42	Fragile X Syndrome	–

05 TORCH Infections — Module Pages 114 to 121

34 TORCH Infections Module Pages 114 to 120 — 01:43:39

0:00	TORCH vs SCORTCH	Pg 114	1:04	Congenital Zika Infection	Pg 117
0:11	Common Manifestations of TORCH	Pg 114	1:19	Congenital Rubella & CMV	Pg 118
0:20	Congenital Toxoplasmosis	Pg 115	1:35	Varicella & Herpes Infection	Pg 120
0:29	Congenital Syphilis	Pg 115			

35 Common Childhood Infections Module Page 120 — 00:54:30

0:00	Neonatal Herpes & Chickenpox	Pg 120

06 Common Childhood Infections — Module Pages 122 to 126

35 Common Childhood Infections *continued* Module Pages 122 to 125 — 00:54:30

0:15	Measles	Pg 122	0:40	Roseola Infantum	Pg 124
0:30	Mumps & Erythema Infectiosum	Pg 123	0:47	Scarlet Fever & HFMD	Pg 125

07 Cardiovascular System in Paediatrics — Module Pages 127 to 150

36 CVS - Fetal Circulation Module Pages 127 to 130 — 01:17:51

0:00	CVS Intro: Heart & Normal Circulation	Pg 127	0:38	Fetal Circulation Flow Chart	Pg 128
0:12	Fetal Circulation Pathway	Pg 127	0:48	Ductus Arteriosus & PGE2 Role	Pg 130
0:29	Fetal Shunts & Umbilical Vessels	Pg 127	0:59	Changes at Birth & Shunt Closure	Pg 129

37 Acyanotic CHD-1 Module Pages 130 to 135 — 01:24:11

0:00	Fetal Circulation (Contd.)	Pg 130	0:35	VSD: Features, Complications & Treatment	Pg 133
0:05	CHD Classification	Pg 131	0:53	ASD: Types & Pathophysiology	Pg 133
0:17	VSD: Types & Pathophysiology	Pg 131	1:06	ASD: Wide Fixed Split S2 & Treatment	Pg 135

38 Acyanotic CHD-2 Module Pages 135 to 137 — 00:27:43

0:00	PDA: Differential Cyanosis & Management	Pg 135	0:15	CoA: Clinical Features, X-ray Signs & Treatment	Pg 137
0:06	Coarctation of Aorta (CoA): Introduction	Pg 136			

39 Cyanotic CHD-1 Module Pages 139 to 144 — 01:30:10

0:00	Cyanotic CHD: Obstructive vs Mixing	Pg 139	0:40	Tet Spells & Management	Pg 141
0:05	TOF: Components & RVOT Obstruction	Pg 140	1:00	TOF: X-ray & Surgical Shunts	Pg 143
0:21	TOF: Clinical Features & Complications	Pg 140	1:12	Tricuspid Atresia & Glenn Shunt	Pg 144

40 Cyanotic CHD-2 & Kawasaki Module Pages 144 to 146 — 01:04:29

0:00	Ebstein Anomaly: Atrialised RV & Murmur	Pg 144	0:21	TGA: Types, PGE1 & Arterial Switch	Pg 145
0:10	Ebstein: WPW Syndrome & Box-Shaped Heart	Pg 145	0:40	TAPVC: Types & Snowman X-ray	Pg 146

41 Acute Rheumatic Fever Module Pages 147 to 150 — 00:56:59

0:00	ARF: Causative Agent & Pathogenesis	Pg 147	0:27	Carditis, Arthritis, Rash, Chorea & Nodules	Pg 148
0:12	Modified Jones Criteria & Diagnosis	Pg 148	0:45	Management: Penicillin, Aspirin & Steroids	Pg 150

08 Gastrointestinal System Module Pages 151 to 173

42 GIT - Vomiting & Diarrhoea-1 Module Pages 151 to 154 — 01:29:17

0:00	Vomiting: Features & Causes	Pg 151	0:44	Dehydration Assessment & Plan A	Pg 153
0:21	Nursing Care in Vomiting	Pg 152	1:00	Plan B & Holliday-Segar Fluids	Pg 153
0:27	Diarrhoea: Types & Dysentery	Pg 152	1:15	Plan C: IV Fluids	Pg 154

43 Diarrhoea-2 & GI Defect-1 Module Pages 154 to 160 — 02:01:30

0:00	Plan C Recap & Zinc Therapy	Pg 154	1:00	Esophageal Atresia & TEF	Pg 158
0:10	ORS vs ReSoMal: Composition	Pg 155	1:38	Hypertrophic Pyloric Stenosis	Pg 160
0:30	Persistent Diarrhoea & Lactose Intolerance	Pg 156			

44 GI Defect-2 & Celiac Module Pages 163 to 165 — 01:06:10

0:00	Hirschsprung Disease: Pathophysiology	Pg 163	0:35	Celiac Disease	Pg 164
0:14	Hirschsprung: Features, Surgery & Care	Pg 163	0:56	Pica	Pg 165

45 Cleft Lip & GI Surgery Module Pages 167 to 172 — 01:19:45

0:00	Cleft Lip & Palate: Risk & Feeding	Pg 167	0:44	Intussusception	Pg 170
0:14	Rule of 10 & Post-op Care	Pg 168	1:01	Volvulus & Anorectal Malformation	Pg 171
0:36	Omphalocele vs Gastroschisis	Pg 169	1:09	Extrahepatic Biliary Atresia	Pg 172

09 Respiratory System

Module Pages 174 to 187

46 Respiratory - Upper Airway

Module Pages 174 to 175 | 00:44:22

0:00	Paediatric Airway Anatomy	Pg 174	0:14	Croup (Laryngotracheobronchitis)	Pg 175
0:05	Laryngomalacia	Pg 174	0:27	Acute Epiglottitis	Pg 175

47 Lower Respiratory-1

Module Pages 177 to 181 | 01:19:05

0:00	Foreign Body Aspiration	Pg 177	0:57	Inhalers: MDI & Spacer	Pg 180
0:20	Bronchial Asthma: Triggers & Types	Pg 178	1:07	Acute Asthma Attack Management	Pg 181
0:35	Asthma Severity & Step Therapy	Pg 180			

48 Lower Respiratory-2

Module Pages 182 to 187 | 01:58:36

0:00	Pneumonia: Causes & Stages	Pg 182	0:55	Cystic Fibrosis	Pg 184
0:11	IMNCI Classification & Management	Pg 182	1:42	Breath-Holding Spells	Pg 187
0:35	Bacterial Pneumonia: Strep & Staph	Pg 183	1:52	Choanal Atresia	Pg 187
0:43	Acute Bronchiolitis	Pg 183			

10 Central Nervous System

Module Pages 188 to 203

49 CNS - Neural Tube Defects

Module Pages 188 to 193 | 01:06:46

0:00	Neural Tube Development & NTD Types	Pg 188	0:53	NTD: Antenatal Diagnosis	Pg 190
0:19	Spina Bifida: Occulta, Meningocele, MMC	Pg 189	0:57	NTD Prevention: Folic Acid	Pg 190
0:44	Arnold-Chiari Malformation & Anencephaly	Pg 193			

50 Hydrocephalus

Module Pages 191 to 194 | 01:08:39

0:00	CSF: Formation & Pathway	Pg 191	0:46	Treatment: Acetazolamide & VP Shunt	Pg 193
0:20	Hydrocephalus: Types & Causes	Pg 192	0:59	Post-op Nursing Care	Pg 194
0:31	Clinical Features: Sunset Sign	Pg 193			

51 CP & Meningitis

Module Pages 195 to 198 | 01:03:03

0:00	Cerebral Palsy: Definition & Causes	Pg 197	0:41	CP: Clinical Features & Management	Pg 198
0:14	CP Types: Spastic, Dyskinetic, Ataxic	Pg 197	0:49	Bacterial Meningitis: CSF & Treatment	Pg 195

52 Seizures, DMD & Tics

Module Pages 199 to 203 | 01:41:49

0:00	Seizures: Phases, Types & Causes	Pg 199	0:56	Status Epilepticus & Safety	Pg 201
0:25	Febrile Seizures	Pg 200	1:10	Duchenne Muscular Dystrophy	Pg 202
0:43	Epilepsy: Absence & West Syndrome	Pg 201	1:24	Tics & Tourette Syndrome	Pg 203

11 Genital System — Module Pages 204 to 205

53 Genitourinary - Anomalies — Module Pages 204 to 205 — 01:13:59

0:00 Hypospadias & Epispadias — Pg 204
0:12 Phimosis & Paraphimosis — Pg 204
0:17 Undescended Testis — Pg 204
0:26 Testicular Torsion & Hydrocele — Pg 205

12 Urinary System — Module Pages 206 to 215

53 Genitourinary - Anomalies *continued* — Module Pages 206 to 207 — 01:13:59

0:38 Renal Agenesis & Potter Syndrome — Pg 206
0:52 Horseshoe Kidney & PCKD — Pg 207
1:03 Wilms Tumor — Pg 207

54 UTI, Enuresis & Nephrotic — Module Pages 208 to 211 — 01:24:49

0:00 Exstrophy of Bladder — Pg 208
0:14 Posterior Urethral Valve (PUV) — Pg 208
0:25 UTI: Causes, Diagnosis & Treatment — Pg 209
0:31 Vesicoureteral Reflux (VUR) — Pg 210
0:40 Enuresis: Types & Management — Pg 210
0:59 Nephrotic Syndrome — Pg 211

55 Glomerular Diseases & HUS — Module Pages 213 to 215 — 00:51:45

0:00 Nephritic Syndrome (PSGN): Pathophysiology — Pg 213
0:15 PSGN: Clinical Features & Nursing Care — Pg 213
0:25 Goodpasture Syndrome — Pg 214
0:32 Alport Syndrome — Pg 214
0:40 Hemolytic Uremic Syndrome (HUS) — Pg 215

13 Paediatric Orthopaedics — Module Pages 216 to 223

56 Paed Ortho - Deformities — Module Pages 216 to 218 — 01:05:54

0:00 Congenital Torticollis — Pg 216
0:10 Genu Varum & Genu Valgum — Pg 216
0:27 Talipes: Types of Foot Deformity — Pg 217
0:41 CTEV (Clubfoot): Causes & Features — Pg 218
0:53 CTEV: Screening & Ponseti Method — Pg 218

57 DDH, JIA & Hypothyroidism — Module Pages 219 to 222 — 01:21:32

0:00 Developmental Dysplasia of Hip (DDH) — Pg 219
0:40 Osteogenesis Imperfecta — Pg 221
0:46 Kyphosis, Lordosis & Scoliosis — Pg 222

14 Rheumatology — Module Pages 224 to 225

40 Cyanotic CHD-2 & Kawasaki *continued* — Module Page 224 — 01:04:29

0:53 Kawasaki Disease: Features & IVIG Treatment — Pg 224

57 DDH, JIA & Hypothyroidism *continued* Module Page 224 — 01:21:32

0:55 Juvenile Idiopathic Arthritis (JIA) Pg 224

1:02 HSP (IgA Vasculitis) Pg 224

15 Endocrine System

Module Page 226

57 DDH, JIA & Hypothyroidism *continued* Module Page 226 — 01:21:32

1:10 Congenital Hypothyroidism Pg 226

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INSIDE THE PAEDIATRIC MODULE

Paediatric Nursing Module: Sample Pages



1 Neonatology JD-NI

AGE / TYPE	NORMAL MAP
Preterm (< 37 weeks)	30–35 mmHg
Term newborn (0–28 days)	40–60 mmHg
Infant (1–12 months)	50–70 mmHg

G. ENSURE IDENTIFICATION OF THE NEWBORN

ASPECT	KEY POINTS
When	Immediately after birth, in the delivery room – before mother & baby are separated
Sex of the baby	Baby (external genitalia) shown to the mother → she confirms the sex
ID bands	2 identical bands on the baby (wrist + ankle) + matching band on the mother
Details on the band	Mother's name, IPD / hospital number, sex, date & time of birth
Supportive record	Baby's footprint + mother's thumbprint → not reliable alone
Re-check	Baby's band matched with the mother's band at every transfer & at discharge

APGAR SCORE

- Invented by Dr. Virginia Apgar (1952).
- Quantitative assessment of the neonate's condition at birth.
- Checked 2 times → 1 minute & 5 minutes.
- If the 5-minute score is < 7 → repeat every 5 minutes (up to 20 minutes).
- Total five parameters (A-P-G-A-R).

PARAMETER	SCORE 0 (ABNORMAL)	SCORE 1	SCORE 2 (NORMAL)
1. Appearance (skin colour)	Blue / pale all over	Partial cyanosis (acrocyanosis)	Completely pink
2. Pulse rate (heart rate)	Absent	< 100/min	≥ 100/min
3. Grimace – reflex activity (response to catheter in nose)	No response (absent reflex activity)	Grimace (minimum response)	Cry or cough (good response)
4. Activity (posture / tone)	Limbs in extension (flaccid)	Partial flexion	Complete flexion
5. Respiratory effort (not respiratory rate)	Absent	Laboured / irregular breathing (weak cry)	Good cry (strong respiratory effort) – vigorous / lusty cry

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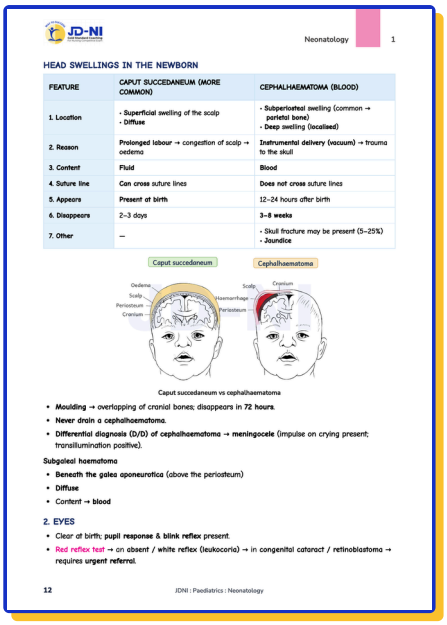
Page 9 APGAR Score



JD-NI Neonatology 1

HEAD SWELLINGS IN THE NEWBORN

FEATURE	CAPUT SUCCEDANEUM (MORE COMMON)	CEPHALHAEMATOMA (BLOOD)
1. Location	• Superficial swelling of the scalp • Diffuse	• Subperiosteal swelling (common → parietal bone) • Deep swelling (localised)
2. Reason	Prolonged labour → congestion of scalp → oedema	Instrumental delivery (vacuum) → trauma to the skull
3. Content	Fluid	Blood
4. Suture line	Can cross suture lines	Does not cross suture lines
5. Appears	Present at birth	12–24 hours after birth
6. Disappears	2–3 days	3–8 weeks
7. Other	–	• Skull fracture may be present (5–25%) • Jaundice

Caput succedaneum | Cephalhaematoma

Caput succedaneum vs cephalhaematoma

- Moulding → overlapping of cranial bones; disappears in 72 hours.
- Never drain a cephalhaematoma.
- Differential diagnosis (D/D) of cephalhaematoma → meningocele (impulse on crying present; transillumination positive).

Subgaleal haematoma

- Beneath the galea aponeurotica (above the periosteum)
- Diffuse
- Content → blood

2. EYES

- Clear at birth; pupil response & blink reflex present.
- Red reflex test → on absent / white reflex (leukocoria) → in congenital cataract / retinoblastoma → requires urgent referral.

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Page 12 Head Swellings in Newborn



JD-NI Neonatology 1

- Suck–swallow–breathe cycle → in one second → due to the high larynx (C2–C3).
- Age of appearance:
  - Sucking movements → ≈ 14 weeks of gestation
  - Coordinated suck–swallow → 32–34 weeks

AGE OF ONSET & DISAPPEARANCE OF REFLEXES

REFLEX	AGE OF ONSET	DISAPPEARS
1. Palmar grasp	28 weeks of GA	2–3 months after birth
2. Rooting reflex	28–32 weeks of GA	Less prominent 1 month after birth (3–4 months)
3. Moro reflex	28–32 weeks of GA	5–6 months after birth
4. Asymmetric tonic neck reflex	35 weeks of GA	6–7 months after birth
5. Parachute reflex	7–8 months after birth (postnatal)	Persists throughout life

MORO REFLEX

- Also known as the embrace / startle reflex.
- Stimulus: baby held at ≈ 45° from the horizontal and the head is allowed to drop back suddenly.
- Response:
  - Extension & abduction of the arms
  - followed by flexion & adduction ± cry

Moro reflex

Moro reflex – protective response

ONSET: ≈ 28 WEEKS OF GESTATION	INTEGRATES BY: ≈ 4–6 MONTHS
Phase 1: arm extension & abduction	Phase 2: arm flexion & adduction

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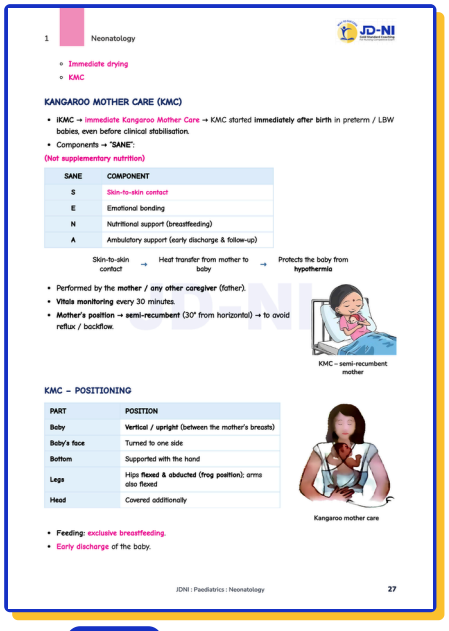
Page 20 Neonatal Reflexes



1 Neonatology JD-NI

- Immediate drying
- KMC

KANGAROO MOTHER CARE (KMC)

- iKMC → immediate Kangaroo Mother Care → KMC started immediately after birth in preterm / LBW babies, even before clinical stabilisation.
- Components → "SANE":

(Not supplementary nutrition)

SANE	COMPONENT
S	Skin-to-skin contact
E	Emotional bonding
N	Nutritional support (breastfeeding)
A	Ambulatory support (early discharge & follow-up)

Skin-to-skin contact → Heat transfer from mother to baby → Protects the baby from hypothermia

- Performed by the mother / any other caregiver (father).
- Vitals monitoring every 30 minutes.
- Mother's position → semi-recumbent (30° from horizontal) → to avoid reflux / backflow.

KMC – semi-recumbent mother

KMC – POSITIONING

PART	POSITION
Baby	Vertical / upright (between the mother's breasts)
Baby's face	Turned to one side
Bottom	Supported with the hand
Legs	Hips flexed & abducted (frog position); arms also flexed
Head	Covered additionally

Kangaroo mother care

- Feeding: exclusive breastfeeding.
- Early discharge of the baby.

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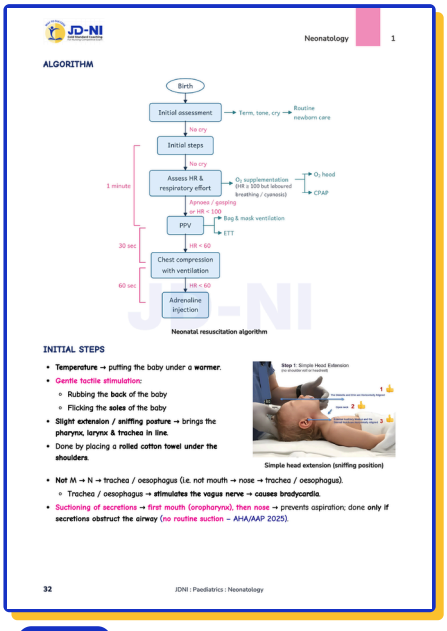
Page 27 Kangaroo Mother Care



JD-NI Neonatology 1

ALGORITHM

Neonatal resuscitation algorithm

INITIAL STEPS

- Temperature → putting the baby under a warmer.
- Gentle tactile stimulation:
  - Rubbing the back of the baby
  - Flicking the soles of the baby
- Slight extension / sniffing posture → brings the pharynx, larynx & trachea in line.
- Done by placing a rolled cotton towel under the shoulders.

Simple head extension (sniffing position)

- Nat M → N → trachea / oesophagus (i.e. not mouth → nose → trachea / oesophagus).
  - Trachea / oesophagus → stimulates the vagus nerve → causes bradycardia.
- Suctioning of secretions → first mouth (oropharynx), then nose → prevents aspiration; done only if secretions obstruct the airway (no routine suction – AHA/AAP 2025).

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Page 32 Neonatal Resuscitation Algorithm

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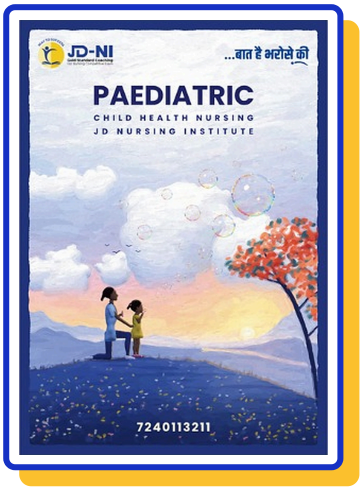

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