

# Contents

## Section 1: Fundamental Nursing Procedures

<b>Chapter 1: Admission and Discharge</b>	<b>3</b>
1.1: Admitting a Patient in Hospital	3
1.2: Discharging a Patient from Hospital	5
<b>Chapter 2: Preparation of Patient Unit</b>	<b>7</b>
2.1: Preparing an Open/Unoccupied Bed	7
2.2: Preparing an Occupied Bed	11
2.3: Preparing a Postoperative Bed	13
2.4: Preparing a Cardiac Bed	14
<b>Chapter 3: Safety and Body Mechanics</b>	<b>16</b>
3.1: Inter-hospital and Intra-hospital transfer of a Patient	16
3.2: Practicing Principles of Body Mechanics	20
3.3: Moving a Patient up in Bed	23
3.4: Turning a Patient to Lateral Position	25
3.5: Turning a Patient to Prone Position	26
3.6: Logrolling a Patient	28
3.7: Assisting a Patient to Sitting Position	30
3.8: Transferring a Patient from Bed to Chair	31
3.9: Transferring a Patient Between a Bed and a Stretcher	32
3.10: Positioning of the Patient in Bed	33
3.11: Applying Restraints	39
3.12: Positioning and Restraining Children for Procedures	41
<b>Chapter 4: Baseline Assessment and Vital Signs</b>	<b>43</b>
4.1: History Taking and Physical Examination	43
4.2: Measuring Body Temperature	50
4.3: Assessment of Pulse	54
4.4: Assessing Respiration	57
4.5: Monitoring Blood Pressure	58
4.6: Checking Height and Weight of a Patient	61
<b>Chapter 5: Hygiene Care</b>	<b>64</b>
5.1: Assisting in Oral Hygiene for a Conscious Patient	64
5.2: Performing Oral Care for an Unconscious Patient	67
5.3: Bathing a Patient in Bed	69
5.4: Performing Nail and Foot Care	71
5.5: Providing Genital Care/Hygienic Perineal Care	75
5.6: Providing a Bed Shampoo/Hair Wash	77
5.7: Performing Eye Care	80
<b>Chapter 6: Nutrition and Elimination</b>	<b>82</b>
6.1: Serving Hospital Diet	82
6.2: Feeding Helpless Patient	84
6.3: Assisting with the Use of a Urinal	85
6.4: Assisting with the Use of a Bedpan	86
6.5: Administering an Enema	88

<b>Chapter 7: Laboratory Tests: Urine Blood, Stool and Sputum</b>	<b>94</b>
7.1: Collecting Urine Specimen for Routine Examination	94
7.2: Collection of 24 Hours Urine	95
7.3: Collecting Urine Specimen for Culture	96
7.4: Testing Urine for Ph	97
7.5: Testing Urine for Albumin	98
7.6: Checking Specific Gravity of Urine	100
7.7: Testing Urine for Glucose—Benedict's Test	101
7.8: Urine Analysis Using Reagent Test Strip or Tape	102
7.9: Collecting Stool Specimen for Analysis (Routine/Culture)	104
7.10: Collecting Throat Swab for Culture	106
7.11: Collecting Wound Swab for Culture	107
7.12: Protocol for Sample Collection of Blood	108
7.13: Collecting Blood for Routine Examination	110
7.14: Collection of Blood for Culture	111
7.15: Collecting Blood for Peripheral Smear	113
7.16: Measuring Blood for Glucose Level Using Glucometer	114
7.17: Collection of Sputum for Culture	116
7.18: Assisting with Obtaining a Papanicolaou Smear	117
<b>Chapter 8: Therapeutic Procedures</b>	<b>121</b>
8.1: Use of Comfort Devices	121
8.2: Providing Back Care and Massage	125
8.3: Providing Sitz Bath	128
8.4: Application of Hot Water Bag	129
8.5: Application of an Ice Cap	131
8.6: Application of Cold Compress	133
8.7: Giving a Tepid Sponge	135
8.8: Giving a Cold Sponge	136
<b>Chapter 9: Administration of Medication</b>	<b>138</b>
9.1: Policies on Drug Administration	138
9.2: Administering Oral Medication	139
9.3: Withdrawing or Preparing Medications from Vial and Ampoule	143
9.4: Administering a Subcutaneous Injection	147
9.5: Administering an Intradermal Injection	149
9.6: Administering an Intramuscular Injection	151
9.7: Administering Bolus Medications Through Intravenous Route	154
9.8: Instilling Medication Into Ear	156
9.9: Instilling Medication Into Eyes	158
9.10: Administering Nasal Drops	160
9.11: Administering Metered Dose Inhalation	162
9.12: Administering Rectal Suppositories	164

9.13: Inserting Medication into Vagina	166		
9.14: Administration of Medication Through Nasogastric Tube	168		
9.15: Applying Topical Medications	169		
<b>Chapter 10: Care of Dying Patient</b>		<b>170</b>	
10.1: Care of Body After Death	170		
<b>Chapter 11: Infection Control</b>		<b>173</b>	
11.1: Policies for Segregation and Disposal of Biomedical Waste	173		
11.2: Disinfection of Blood and Body Fluids Spills	175		
11.3: Sterilization and Disinfection of Articles/Equipments and Supplies	177		
11.4: Prevention of Nosocomial Infections	180		
11.5: Performing Medical Handwashing	184		
11.6: Fumigation in Hospitals	187		
<b>Section 2: Medical Nursing Procedures</b>			
<b>Chapter 12: Nervous System</b>		<b>191</b>	
12.1: Neurological Assessment	191		
12.2: Assessment of Consciousness Using Glasgow Coma Scale	201		
<b>Chapter 13: Respiratory System</b>		<b>205</b>	
13.1: Assessment of Respiratory System	205		
13.2: Oxygen Therapy—Cannula Method	209		
13.3: Administering Oxygen by Mask Method	211		
13.4: Administering Oxygen Using Oxygen Tent	212		
13.5: Assessment of Oxygen Saturation Using Pulse Oximeter	214		
13.6: Administering Steam Inhalation	216		
13.7: Performing Nebulization Therapy	218		
13.8: Performing Chest Physiotherapy	220		
13.9: Performing Postural Drainage	222		
13.10: Assisting the Patient with the Use of an Incentive Spirometer	225		
13.11: Performing Endotracheal/Tracheal Suctioning	227		
13.12: Performing Oropharyngeal Suctioning	230		
<b>Chapter 14: Gastrointestinal System</b>		<b>233</b>	
14.1: Assessment of Gastrointestinal System	233		
14.2: Insertion of a Nasogastric Tube	235		
14.3: Administration of Nasogastric Tube Feeding	238		
14.4: Feeding Through a Gastrostomy/Jejunostomy Tube	240		
14.5: Administration of Total Parenteral Nutrition	242		
14.6: Performing a Test Feed	245		
14.7: Performing a Bowel Wash/Colonic Lavage	246		
14.8: Performing Colostomy Care	248		
14.9: Performing Colostomy Irrigation	250		
14.10: Performing a Gastric Lavage or Stomach Wash	253		
14.11: Performing Gastric Suctioning	255		
<b>Chapter 15: Cardiovascular System</b>		<b>257</b>	
15.1: Assessment of Cardiovascular System	257		
15.2: Performing a Venipuncture for Intravenous Therapy	260		
15.3: Administering an Intravenous Infusion	263		
15.4: Changing an Intravenous Container, Tubing and Dressing	266		
15.5: Discontinuing an Intravenous Infusion	267		
15.6: Administration of Blood (Blood Transfusion)	268		
15.7: Managing and Preventing Orthostatic Hypotension	271		
<b>Chapter 16: Genitourinary and Reproductive System</b>		<b>273</b>	
16.1: Applying a Condom Catheter	273		
16.2: Performing a Urinary Catheterization	274		
16.3: Performing Catheter Care	279		
16.4: Removing an Indwelling Urinary Catheter	280		
16.5: Performing a Bladder Irrigation	281		
<b>Chapter 17: Endocrine System</b>		<b>283</b>	
17.1: Using Insulin Pens and Pen Needles	283		
17.2: Assisting with Placement and Use of Insulin Pump	286		
<b>Chapter 18: Eye, Ear, Nose and Throat</b>		<b>289</b>	
18.1: Assessment of Eye	289		
18.2: Assessment of Ear, Nose and Throat	292		
18.3: Performing Eye Irrigation	295		
18.4: Performing Ear Irrigation	297		
<b>Chapter 19: Musculoskeletal System</b>		<b>299</b>	
19.1: Assisting with Application of Splints	299		
19.2: Assisting with Application of Slings	300		
19.3: Assisting with Application of Skin Traction	302		
19.4: Applying Bandages	305		
19.5: Applying Binders	311		
19.6: Assisting with Application of Plaster of Paris	314		
19.7: Pin Site Care in Skeletal Traction	318		
19.8: Providing Range of Motion Exercises	320		
19.9: Assisting Walking with Walker and Cane	323		
19.10: Assisting with Crutch Walking	325		
<b>Chapter 20: Integumentary System</b>		<b>331</b>	
20.1: Performing a Wound Dressing	331		
20.2: Dressing a Burn Wound	333		
20.3: Performing Wound Irrigation	335		
20.4: Assessment of Pressure Ulcers/Decubitus Ulcers	338		
20.5: Dressing Pressure Ulcers/Pressure Sores	340		
20.6: Amputation Stump Care	341		
<b>Section 3: Surgical Nursing Procedures</b>			
<b>Chapter 21: Surgical Nursing Procedures</b>		<b>347</b>	
21.1: Performing a Surgical Scrub	347		
21.2: Applying Mask and Sterile Gown	349		
21.3: Performing Sterile Gloving	351		
21.4: Patient Positioning in Operating Rooms	354		
21.5: Conducting a General Preoperative Assessment and Checklist	359		
21.6: Performing Skin Preparation for Surgery	360		
21.7: Preparing an Operation Theater Trolley and Patient before Surgery	364		
21.8: Preparation of Operating Room for General Procedures	372		
21.9: Surgical Incisions	374		

- 21.10: Surgical Sutures and Staples 375
- 21.11: Removal of Sutures and Staples 377
- 21.12: Assisting with Postoperative Exercises 378
- 21.13: Assisting with Insertion of Central Venous Catheter 385
- 21.14: Flushing a Central Venous Catheter 388
- 21.15: Measuring Central Venous Pressure 389
- 21.16: Changing Dressing at Central Venous Catheter Insertion Site 391
- 21.17: Changing the Central Venous Tubing 393
- 21.18: Assisting with Endotracheal Intubation 393
- 21.19: Assisting with Tracheostomy 399
- 21.20: Providing Tracheostomy Care 400
- 21.21: Assisting with Chest Tube Insertion 402
- 21.22: Connecting and Changing Intercostal Drainage Bottles 404
- 21.23: Assisting with Removal of Chest Drainage Tubes 406
- 21.24: Assisting with Insertion of Sengstaken-Blakemore Tube/Balloon Tamponade 407
- 21.25: Preparation of Patient and Assisting with Pacemaker Implantation 409

#### Section 4: Emergency Nursing Procedures

##### Chapter 22: Emergency Nursing Procedures 417

- 22.1: Performing a Cardiopulmonary Resuscitation 417
- 22.2: Performing Defibrillation and Advanced Cardiac Life Support 421
- 22.3: Advanced Cardiac Life Support Algorithm 424
- 22.4: Critical Care Medications 425
- 22.5: Setting Up an Emergency Trolley/Crash Cart 431
- 22.6: Performing a Heimlich Maneuver 433
- 22.7: High Flow Nasal Cannula 435
- 22.8: Care of Patient on Bipap Ventilation 437
- 22.9: Proning Ventilated Patients in ARDS 439

#### Section 5: Diagnostic and Therapeutic Procedures

##### Chapter 23: Diagnostic and Therapeutic Procedures 445

- 23.1: Recording an Electrocardiogram 445
- 23.2: Preparation of Patient and Assisting with Exercise Stress Test 448
- 23.3: Preparation of Patient and Assisting with Cardiac Catheterization 451
- 23.4: Preparation for and Assisting with Digital Subtraction Angiography 456
- 23.5: Preparation for and Assisting with Cerebral Angiography 458
- 23.6: Assisting in Obtaining an Arterial Puncture 459
- 23.7: Arterial Blood Gas Interpretation 461
- 23.8: Arterial Blood Pressure Monitoring 467
- 23.9: Assisting with Bronchoscopy 470
- 23.10: Assisting with Thoracentesis 471
- 23.11: Assisting with Upper Gastrointestinal Endoscopy 473
- 23.12: Assisting with Endoscopic Sclerotherapy 475
- 23.13: Preparation of Patient and Assisting with Barium Studies 476

- 23.14: Preparation of Patient and Assisting with Barium Enema 477
- 23.15: Preparation of Patient and Assisting with Colonoscopy 479
- 23.16: Preparation of Patient and Assisting with Proctoscopy 480
- 23.17: Assisting in Abdominal Paracentesis 482
- 23.18: Preparation for Ultrasonography 484
- 23.19: Assisting with Liver Biopsy 485
- 23.20: Assisting with Endoscopic Retrograde Cholangiopancreatography 487
- 23.21: Preparation for Kidney, Ureter and Bladder X-ray 488
- 23.22: Assisting with Intravenous Pyelography 489
- 23.23: Assisting with Renal Biopsy 490
- 23.24: Preparation of Patient and Assisting with Cystoscopy 492
- 23.25: Preparation for Skull and Spine X-ray 493
- 23.26: Preparation of Patient and Assisting with Electroencephalography 494
- 23.27: Assisting with Lumbar Puncture 495
- 23.28: Assisting with Computerized Axial Tomography Scan 498
- 23.29: Assisting with Magnetic Resonance Imaging Scan 499
- 23.30: Assisting with Bone Marrow Aspiration and Biopsy 500
- 23.31: Preparation of Patient for Electromyography 502
- 23.32: Preparing Patient for Mammography 504
- 23.33: Assisting for Breast Biopsy 505
- 23.34: Assisting with Colposcopy 508
- 23.35: Assisting with Endometrial Biopsy 510
- 23.36: Assisting with Hysterosalpingography 511
- 23.37: Positron Emission Tomography/Pet Scan 513

#### Section 6: Obstetric and Gynecological Nursing Procedures

##### Chapter 24: Obstetric and Gynecological Nursing Procedures 517

- 24.1: Performing an Antenatal Abdominal Examination and Palpation 517
- 24.2: Teaching Antenatal Exercises 520
- 24.3: Performing a Nonstress Test 523
- 24.4: Performing an Oxytocin Challenge Test 525
- 24.5: Preparing a Prenatal Patient for Ultrasound Examination 526
- 24.6: Assisting with an Amniocentesis 528
- 24.7: Admitting a Client To Labor Room 531
- 24.8: Assisting with Induction of Labor 532
- 24.9: Performing Vaginal Examination for a Patient in Labor 535
- 24.10: Performing Assessment of Mother in Intranatal Period 537
- 24.11: Conducting a Normal Vaginal Delivery 538
- 24.12: Performing an Examination of Placenta 542
- 24.13: Performing and Suturing an Episiotomy 544
- 24.14: Assisting with Forceps Delivery 547

- 24.15: Assisting with Ventouse Extraction 550
- 24.16: Performing Postnatal Assessment and Examination 552
- 24.17: Assisting with Dilatation and Curettage Procedure 554
- 24.18: Providing Perineal Care 555
- 24.19: Measuring Involution of Uterus 557
- 24.20: Teaching Postnatal Exercises 558
- 24.21: Assisting in Insertion of Intrauterine Contraceptive Device (Copper-T) 562
- 24.22: Assisting in Removal of Intrauterine Contraceptive Device 564
- 24.23: Assisting with Insertion of Intrauterine Bakri Balloon/Balloon Tamponade 565
- 24.24: Immediate Postoperative Nursing Management of Cesarean Section Mother 568
- 24.25: Breast Care During Breastfeeding Period 569
- 24.26: Post-mastectomy Exercises 571
- 24.27: Medications /Drugs Commonly Used in Obstetrics 579

## Section 7: Pediatric Nursing Procedures

- Chapter 25: Pediatric Nursing Procedures 591**
- 25.1: Performing a Newborn Assessment 591
  - 25.2: Weighing a Newborn 596
  - 25.3: Growth Assessment for Children (Anthropometry) 597
  - 25.4: Performing Neonatal Resuscitation 600
  - 25.5: Cardiopulmonary Resuscitation for Children 605
  - 25.6: Providing Immediate Newborn Care 608
  - 25.7: Care of Baby in Radiant Warmer 611
  - 25.8: Assisting with Breastfeeding 613
  - 25.9: Care of Baby Undergoing Phototherapy 616
  - 25.10: Care of Newborn in Incubator (Isolette) 618
  - 25.11: Assisting in Exchange Transfusion 620
  - 25.12: Bathing a Newborn 626
  - 25.13: Giving Sponge Bath to a Newborn 628
  - 25.14: Feeding Infants with Cleft Lip and Cleft Palate 630
  - 25.15: Administering Nasogastric/Orogastric Tube Feed for Children 631
  - 25.16: Performing Heimlich Maneuver for Children 632
  - 25.17: Collecting Urine Specimen from Infants 634
  - 25.18: Pediatric Glasgow Coma Scale (Pgcs) 635
  - 25.19: Oxygen Therapy Through High-Flow Nasal Cannula 637
  - 25.20: Obtaining Intravenous Access 639
  - 25.21: Intravenous Fluid Infusion 641
  - 25.22: Nursing Care of a Child on Mechanical Ventilator 644

## Section 8: Psychiatric Nursing Procedures

- Chapter 26: Psychiatric Nursing Procedures 651**
- 26.1: Admitting a Patient in Psychiatric Unit 651
  - 26.2: Discharging a Patient from Psychiatric Unit 652
  - 26.3: History Taking of Psychiatric Patients 652
  - 26.4: History Taking of Substance Dependent Patients 653
  - 26.5: Performing Mental Status Examination 657
  - 26.6: Mini-Mental State Examination 659
  - 26.7: Conducting Process Recording 661

- 26.8: Preparing Patient and Assisting with Electroconvulsive Therapy 662
- 26.9: Preparing Patient and Assisting with Chemical Convulsive Therapy 664
- 26.10: Assisting with Hypnosis Therapy 665
- 26.11: Assisting with Insulin Subcoma Therapy 667
- 26.12: Assisting with Narcoanalysis/Abreactive Therapy 668
- 26.13: Assisting with Recreational Therapy 669
- 26.14: Assisting with Individual Psychotherapy 671
- 26.15: Assisting with Relaxation Therapy 672
- 26.16: Assisting with Group Therapy 674

## Section 9: Community Health Nursing Procedures

- Chapter 27: Principle Procedures 679**
- 27.1: Community Identification Survey and Map Making 679
  - 27.2: Performing Bag Techniques at Home 687
  - 27.3: Making Home Visit 688
  - 27.4: Performing Handwashing at Home 690
  - 27.5: Organizing a Health Awareness Campaign 691
  - 27.6: Organizing Health Camps in Community 692
  - 27.7: Organizing Health Camps in Schools 693
  - 27.8: Outbreak Investigation 695
  - 27.9: Chlorination of Well 696
  - 27.10: Treatment for Scabies 698
- Chapter 28: Assessment 701**
- 28.1: Taking Anthropometric Measurements 701
  - 28.2: Breast Self-examination (BSE) 706
  - 28.3: Testicular Self-examination (TSE) 708
- Chapter 29: Diagnostic Procedures 710**
- 29.1: Performing Urine Analysis 710
  - 29.2: Estimation of Hemoglobin at Home Using Hemoglobinometer 711
  - 29.3: Estimation of Hemoglobin Level Using Hemoglobin Testing Paper 712
  - 29.4: Collecting Blood for Peripheral Smear 713
  - 29.5: Collection of Specimens for Laboratory Investigations 715
- Chapter 30: Therapeutic Procedures 717**
- 30.1: Checking Temperature at Home 717
  - 30.2: Dressing a Wound at Home 718
  - 30.3: Giving Bath to a Baby 719
  - 30.4: Giving Pediculosis Treatment at Home 723
  - 30.5: Conducting a Domiciliary Delivery 724
  - 30.6: Administering Steam Inhalation at Home 730
  - 30.7: Hydrotherapy 732
  - 30.8: Feeding of Preterm/Low Birthweight/Sick Newborns 735
  - 30.9: Expressing and Storing Breast Milk 738
  - 30.10: Preparation of Oral Rehydration Therapy at Home 741
  - 30.11: Complementary Feeding and Nutritious Recipes for Infants 743
  - 30.12: Preparation of Nutritional Ladoos 747
  - 30.13: Immunization 748
  - 30.14: Dots Treatment for Tuberculosis 753

## Section 10 Nursing Management in Specific Conditions

<b>Chapter 31: Nursing Management in Specific Conditions</b>	<b>759</b>
31.1: Admission and Initial Management of Patient in Burns Unit	759
31.2: Fluid Resuscitation in Acute Burns	761
31.3: Prevention of Burn Contractures	763
31.4: Blood Transfusion Reactions and Nursing Management	767
31.5: Care of Patient with a Chest Tube Inserted in Thoracic Cavity	769
31.6: Care of Patient on Mechanical Ventilation	770
31.7: Management of Sepsis Patient	774
31.8: Care of Patients Undergoing Radiation Therapy	775
31.9: Care of Patient on Chemotherapy	780
31.10: Breastfeeding: Management of Common Difficulties	783

## Section 11: Special Topics

<b>Chapter 32: Special Topics</b>	<b>795</b>
32.1: Legal Aspects of Nursing Practice	795
32.2: Ethics in Nursing Practice	801
32.3: Transcultural Nursing	808

## Appendices

<b>Common Assessment Formats</b>	<b>815</b>
1: Nursing Health History Format	815
2: Antenatal Assessment Format	819
3: Newborn Assessment Format	822
4: Postnatal Assessment Format	825
5: Assessment of Postoperative Cesarean Section Mothers	828
6: Assessment of Patient with Gynecological Problems	831
7: Family Care Study Format	833
8: Logos and Symbols Used in Community Health Programs	837

## Reference Values and Formulae

1: Latin Terms Used in Medication Orders	840
2: Weights and Measurements	841
3: Drug Calculation Formulae	842
4: Abbreviations	843
5: Urine Chemistry—Normal Values	844
6: Hematology—Normal Values	845
7: Serum, Plasma and Whole Blood Chemistry	847
8: Cerebrospinal Fluid Analysis	850
9: Fecal Analysis—Normal Values	850
10: Formulae for Assessing Growth Parameters in Children	851

## Miscellaneous

1: Disaster Phases and Nursing Roles	852
2: Cam Therapy	854
3: Therapeutic Yoga	855
4: Advances in Trauma Care Nursing	856
5: Emergency First Aid	858
6: Lactation Management	859
7: Facility-based Newborn Care	860
8: Policy Guidelines on Iron, Folic Acid and Vitamin K	863
9: Hospital Accreditation	864
10: Cannulas: Types and Uses	865
11: Catheters: Types and Uses	867
12: Surgical Drains and Tubes	869
13: Tuberculin Skin Test (Mantoux Test)	872
14: Diagnostic Tests for Hepatitis-B and C	873
15: Diagnostic Tests for Human Immunodeficiency Virus	876
16: Test for Glycosylated Hemoglobin	877
17: Common Medical Equipment in a Clinical Setting	878
18: Intravenous Solutions Used in Hospitals	892
19: Endotracheal Tubes	895
20: Basic Electrocardiogram	896
21: Important Surgical Instruments	900

<i>Bibliography</i>	923
---------------------	-----

<i>Index</i>	927
--------------	-----