

2019

# INFUSION THERAPY POLICIES



**Sample Home Health  
Agency**

## Table of Contents

|  |    |
|--|----|
| HOME INFUSION STANDARDS OF CARE - INTRODUCTION .....                   | 9  |
| Introduction .....   | 9  |
| Standards and Practices .....  | 11 |
| 1.01 ANAPHYLAXIS .....   | 12 |
| 1.02 CALCULATING IV FLOW RATES .....                                   | 16 |
| 1.03 CHANGING IV ADMINISTRATIVE SET TUBING .....                       | 18 |
| 1.04 CHANGING IV SOLUTION CONTAINERS .....                             | 19 |
| 1.05 CLINICAL LABORATORY MONITORING .....                              | 20 |
| 1.06 COMMON IV MEDICATIONS .....                                       | 23 |
| 1.07 CRITERIA FOR ACCEPTANCE OF PATIENTS .....                         | 27 |
| 1.08 CRITERIA FOR NON-ADMITTANCE TO THE INFUSION THERAPY PROGRAM ..... | 28 |
| 1.09 DISPOSAL OF SHARPS CONTAINERS .....                               | 29 |
| 1.10 EXTRAVASATION OF VESICANT-IRRITANT AGENTS .....                   | 30 |
| 1.11 VESICANT/IRRITANT ANTIDOTE CHART .....                            | 32 |
| 1.12 ADMINISTRATION OF FIRST DOSE OF IV MEDICATIONS .....              | 35 |
| 1.13 INTERMITTENT INFUSION SYSTEM SELECTION .....                      | 39 |
| 1.14 INTERMITTENT MEDICATION INFUSION .....                            | 41 |
| 1.15 PARENTAL DRUGS BY GRAVITY INFUSION .....                          | 42 |
| 1.16 PATIENT ASSESSMENT – NURSING GUIDELINES .....                     | 45 |
| 1.17 PATIENT EDUCATION AND DOCUMENTATION .....                         | 50 |
| 1.18 HOME VISIT OBSERVATION .....                                      | 51 |
| 1.19 PARENTERAL MEDICATIONS BY IV PUMP .....                           | 53 |
| 1.20 PARENTERAL MEDICATIONS BY IV PUSH AND IV PIGGY BACK .....         | 55 |
| 1.21 SQ PROCEDURE FOR LIDOCAINE SKIN ANESTHESIA .....                  | 57 |
| CHAPTER II STANDARD PROCEDURES FOR HOME INFUSION THERAPY .....         | 59 |
| 2.01 ACCEPTANCE OF PATIENTS FOR HOME CHEMOTHERAPY .....                | 63 |
| 2.02 CYTOTOXIC SPILLS MANAGEMENT .....                                 | 64 |
| 2.03 HANDLING AND ADMINISTRATION OF CYTOTOXIC AGENTS .....             | 68 |
| 2.04 I.V. PUSH INJECTION OF CHEMOTHERAPY MEDICATION .....              | 76 |
| 2.05 SIDE ARM INJECTION OF CHEMOTHERAPY MEDICATION .....               | 78 |
| CHAPTER III PARENTERAL PAIN MANAGEMENT .....                           | 80 |
| 3.01 PAIN MANAGEMENT –BASIC REQUIREMENTS .....                         | 81 |

|   |     |
|---|-----|
| 3.02 ADMINISTRATION OF IV NARCAN .....  | 82  |
| 3.03CONTINUOUS PAIN MEDICATION INFUSION .....                                       | 85  |
| 3.04CONTINUOUS SUBCUTANEOUS PAIN MANAGEMENT INFUSION .....                          | 88  |
| 3.05 CONTINUOUS SUBCUTANEOUS PAIN MEDICATION INFUSION.....                          | 90  |
| 3.06 PAIN MEDICATIONS VIA IV PUSH .....   | 92  |
| 3.07TITRATION OF PAIN MEDICATION.....   | 94  |
| CHAPTER IV ADMINISTRATION OF INOTROPIC THERAPY IN THE HOME SETTING<br>.....         | 96  |
| 4.01 PROCEDURE FOR ADMINISTRATION OF INOTROPIC THERAPY IN THE<br>HOME SETTING ..... | 97  |
| CHAPTER V TOTAL PARENTERAL NUTRITION (TPN) .....                                    | 101 |
| 5.01 ASSESSMENT OF PATIENTS ON TPN.....   | 102 |
| 5.02 INITIATION OF INFUSION .....   | 104 |
| 5.03DISCONTINUATION OF INFUSION .....   | 107 |
| 5.04 TPN COMPLICATIONS LIST .....   | 108 |
| 5.05SELF CARE INSTRUCTIONS .....  | 110 |
| CHAPTER VI ANTI-MICROBIAL ADMINISTRATION .....                                      | 112 |
| 6.01 INTRAVENOUS ANTI-MICROBIAL ADMINISTRATION.....                                 | 113 |
| Epidural/Intrathecal Analgesia.....   | 117 |
| 7.01 STANDARD POLICIES FOR EPIDURAL/INTRATHECAL ANESTHESIA .....                    | 118 |
| 7.02 EPIDURAL/INTRATHECAL ANALGESIA CHART .....                                     | 121 |
| 7.03CLIENT MONITORING .....   | 122 |
| 7.04 EXIT SITE CARE .....   | 125 |
| 7.05FILTER AND CAP CHANGE.....  | 127 |
| 7.06REFILL OF MEDTRONIC SYNCHROMED IMPLANTED PUMP .....                             | 128 |
| CHAPTER VIII Other Therapies .....  | 133 |
| 8.01ADMINISTRATION OF ALPHA PROTEINASE INHIBITOR .....                              | 134 |
| 8.02ADMINISTRATION OF FACTOR VIII.....  | 138 |
| 8.03ADMINISTRATION OF INTRAVENOUS IMMUNE GLOBULIN .....                             | 140 |
| 8.04ANTIFUNGALS .....   | 144 |
| 8.05CHELATION THERAPY .....   | 149 |
| 8.06IV FOLAN FOR TREATMENT OF PRIMARY PULMONARY HYPERTENSION....                    | 151 |
| 8.07 EVENTS ATTRIBUTABLE TO THE PROGRESSION OF PRIMARY PULMONARY<br>.....           | 153 |
| VASCULAR ACCESS DEVICES .....   | 154 |

|  |     |
|--|-----|
| 9.01 AIR EMBOLISM: EMERGENCY TREATMENT.....                                    | 156 |
| 9.02CATHETER CLEARANCE USING TPA.....  | 157 |
| 9.03DIVISION OF CATHETERS INTO SOFT WALL AND STIFF WALL.....                   | 166 |
| 9.04 EMERGENCY PROCEDURE FOR TORN OR SEVERED IV CATHETERS .....                | 174 |
| 9.05FLUSHING WITH HEPARIN AND SALINE .....                                     | 175 |
| 9.06GAUZE DRESSING CHANGE .....  | 176 |
| 9.07 GROSHONG CATHETER: BLOOD SAMPLING .....                                   | 178 |
| 9.08GROSHONG CATHETER (TUNNELED) .....   | 180 |
| 9.10HICKMAN/BROVIAC CATHETER .....   | 188 |
| 9.11HICKMAN/TYPE CATHETER: BLOOD SAMPLING .....                                | 190 |
| 9.12HYPOALLERGIC CLOTH DRESSING CHANGE .....                                   | 192 |
| 9.13 IMPLANTED PORT: HUBER NEEDLE INSERTION.....                               | 194 |
| 9.14IMPLANTED VASCULAR ACCESS DEVICE: BLOOD SAMPLING PROCEDURE<br>.....        | 197 |
| 9.15 NEEDLELESS CAP/VALVE ASSEMBLY.....  | 199 |
| 9.16OBTAINING BLOOD CULTURES.....  | 200 |
| 9.17PERIPHERAL VENOUS BLOOD WITHDRAWAL.....                                    | 203 |
| 9.18POST INSERTION COMPLICATIONS RELATED TO VENOUS ACCESS .....                | 206 |
| 9.19PROCEDURE FOR GROSHONG CATHETER CONNECTION REPAIR .....                    | 216 |
| 9.20PROCEDURE FOR PERIPHERALLY INSERTED CENTRAL CATHETER (PICC)<br>OR. 223     |     |
| A:STEPS COMMON T INSERTION OF ANY PICC OR ML.....                              | 227 |
| B:INSERTION OF PICC OR ML USING AN OVER THE NEEDLE CANNULA<br>INTRODUCER ..... | 229 |
| C:INSERTION OF PICC OR ML USING PEEL-AWAY SHEATH INTRODUCER.....               | 231 |
| D:INSERTION OF PICC OR ML USING A MODIFIED SELDINGER TECHNIQUE ...             | 233 |
| E:EXCHANGE OF PICC OR ML USING OVER THE INTRODUCER DEVICE<br>TECHNIQUE .....   | 236 |
| 9.21REMOVAL OF A NON-TUNNELED TEMPORARY CENTRAL VENOUS<br>CATHETER.....        | 239 |
| 9.22 SUBCLAVIAN OR JUGULAR CATHETER .....                                      | 241 |
| 9.23SUBCUTANEOUS INFUSION .....  | 243 |
| 9.24TRANSPARENT DRESSING CHANGE.....   | 245 |
| 9.25TUNNELED CATHETER BODY REPAIR .....  | 247 |
| 9.26VACUTAINER LUER ADAPTER: BLOOD SAMPLING.....                               | 249 |
| 9.27VENIPUNCTURE: PERIPHERAL IV CANNULA .....                                  | 251 |

|   |               |
|---|---------------|
| SECTION 10 PEDIATRIC INFUSION THERAPY .....   | 253           |
| 10.01ACCEPTANCE OF PEDIATRIC INFUSION PATIENTS INTO HOME INFUSION THERAPY .....                                     | 254           |
| 10.02 FLUSHING GUIDELINES FOR PEDIATRIC INFUSION PATIENTS .....   | 256           |
| 10.03VITAL SIGNS PARAMETERS FOR PEDIATRIC INFUSION PATIENTS .....   | 257           |
| 10.04CHANGING THE INJECTION CAP (USING THE INTERLINK SYSTEM) .....  | 258           |
| 10.05DRAWING BLOOD FROM A BROVIAC CATHETER (USING THE INTERLINK SYSTEM) .....                                       | 260           |
| 10.06DRAWING UP HEPARIN FROM A VIAL WITH A SYRINGE AND VIAL ACCESS CANNULA .....                                    | 263           |
| 10.07FLUSHING A BROVIAC CATHETER (USING THE INTERLINK SYSTEM) .....   | 264           |
| 10.08HOME TEACHING GUIDE FOR BROVIAC CARE .....   | 265           |
| 10.09DRAWING UP NORMAL SALINE FROM A VIAL WITH A SYRINGE AND VIAL ACCESS CANNULA (USING THE INTERLINK SYSTEM) ..... | 266           |
| 10.10TROUBLESHOOTING WITH BLOOD DRAWS .....   | 267           |
| 10.11COMPREHENSIVE PEDIATRIC NURSING ASSESSMENT .....   | 270           |
| 10.12PROCEDURE FOR INITIAL ASSESSMENT OF THE PEDIATRIC PATIENT ...  | 280           |
| 10.13FIELD VISIT OBSERVATION .....  | 287           |
| 10.14 PEDIATRIC GROWTH & DEVELOPMENT.....   | 289           |
| 10.15GUIDELINES TO IMPROVE COMMUNICATION WITH CHILDREN.....   | 297           |
| 10.16 HOME CARE INSTRUCTIONS.....   | 299           |
| 10.17 PEDIATRIC HOME INFUSION COMPETENCY TEST .....   | 300           |
| 10.17 PEDIATRIC HOME INFUSION COMPETENCY TEST ANSWER SHEET .....  | 302           |
| CLINICAL COMPETENCY PROGRAM – TABLE OF CONTENTS .....   | 303           |
| 11.01 SKILLS AND EXPERIENCE INVENTORY.....  | 304           |
| 11.02 INFUSTION THERAPY TRAINING CLASSES, SELF-DIRECTED MODULES, AND .....  | VIDEOS<br>307 |
| 11.03HAND OUT FOR BASIC INFUSION COMPETENCY CLASS .....   | 309           |
| 11.04BASIC CERTIFICATION INFUSION TEST .....  | 324           |
| 11.05 CLINICAL COMPETENCY PERFORMANCE EVALUATION.....   | 331           |
| 11.06ABBOTT-AIM COMPETENCY CHECKLIST .....  | 333           |
| 11.07ADVANCED CERTIFICATION INFUSION THERAPY TEST .....   | 336           |
| 11.08AMBULATORY PUMP COMPETENCY CHECKLIST – CONTINUOUS AND INTERMITTENT MODE .....                                  | 342           |
| 11.09AMBULATORY PUMP CHECKLIST (PCA MODE).....  | 344           |

|       |  |     |
|-------|--|-----|
| 11.12 | CADD PRISM COMPETENCY CHECKLIST.....   | 349 |
| 11.13 | CATHETER CLEARANCE COMPETENCY CHECKLIST .....  | 355 |
| 11.14 | CENTRAL DRESSING AND ANTI-REFLEX VALVE CHANGE COMPETENCY<br>CHECKLIST .....                        | 357 |
| 11.15 | CENTRAL LINE BLOOD SAMPLING COMPETENCY CHECKLIST (SYRINGE<br>NEEDLE-LESS TRANSFER TECHNIQUE) ..... | 359 |
| 11.16 | CENTRAL LINE BLOOD SAMPLING COMPETENCY CHECKLIST<br>(VACUTAINER METHOD) .....                      | 361 |
| 11.17 | HUBER TYPE, NON-CORING NEEDLE INSERTION COMPETENCY<br>CHECKLIST .....                              | 363 |
| 11.18 | PERIPHERAL I.V. PLACEMENT COMPETENCY CHECKLIST .....   | 365 |
| 11.19 | PERIPHERAL VEIN BLOOD SAMPLING COMPETENCY CHECKLIST .....  | 367 |
| 20    | PICC INSERTION COMPETENCY CHECKLIST .....  | 368 |
| 11.21 | SABRATEK 3030 COMPETENCY CHECKLIST .....   | 370 |