



**NEPHROLOGY PROGRAM  
DEPARTMENT POLICIES AND PROCEDURES**

**Hemodialysis - Section 10 - Gambro Artis - Neph 10-02  
Isolated Ultrafiltration with the Gambro Artis Hemodialysis Machine  
No.: 00754 (TOH Standardized Policy Number)**

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**ISSUED BY:**

Hemodialysis Clinical Practice Committee

**DATE OF APPROVAL:**

N/A

**APPROVED BY:**

Nephrology Steering Committee

**LAST REVIEW/REVISION DATE:**

2013/01

**CATEGORY:**

Gambro Artis

**IMPLEMENTATION DATE:**

2011/07

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**POLICY STATEMENT:**

- Isolated Ultrafiltration may be performed:
  - As ordered by the physician
  - If the patient's weight loss goal during the prescribed hemodialysis treatment is too extreme. Maximum rate of fluid removal to be based on approximately 3% of patient's ideal body weight to a maximum of 2.0 kg/hr
  - This will increase the length of the patient's treatment, and should be discussed with the patient. Other alternatives include an additional dialysis treatment to assist in getting patient to target weight

**PURPOSE:**

- To describe the process for Ultrafiltration of fluid in conjunction with a hemodialysis treatment, or as a stand-alone treatment

**DEFINITION(S):** N/A

**ALERTS:** N/A

## PROCEDURE:

### Section A: Programming and starting Isolated UF

(It must be programmed at the beginning of the treatment)

1. To program the machine for isolated Ultrafiltration:
  - On the prescription screen, enter the 'Treatment Time' and confirm( the treatment time is the total treatment time including UF)
  - Press the 'UF Volume' and confirm(the volume is the total treatment volume including UF volume (goal))
2. In the Activated Functions' screen, find and press 'Isolated UF' option
3. The 'Isolated UF' subscreen will appear
  - Press the 'Isolated UF time" button to set the total time of isolated UF **Note:** the maximum amount of time you can program for isolated UF is 2 hours
  - Press the 'Isolated UF Volume' button to set the total UF volume to be processed during the isolated UF process ( max 2000 ml\hour)
  - Once the isolated UF time and volume have been programmed and confirmed, the 'Isolated UF' action button will be displayed. Press this button to activate the function
4. When the 'Isolated UF' button has been activated:
  - the 'Isolated UF' action button indicator becomes green
  - Isolated UF icon is displayed on the overview screen
  - On the prescription screen, the 'Isolated UF' action indicator in the 'Activated Functions' list becomes green
5. When the 'Start Treatment' button has been pushed, the Isolated UF starts

### Section B: During Isolated UF treatment

1. During Isolated UF, the 'Isolated UF Settings' sub-screen is updated as follows
  - The 'Real Isolated UF Time' value box displays the actual Isolated UF time
    - This time will be interrupted if the UF button is pressed to stop Ultrafiltration
  - The 'Isolated UF Volume' value box displays the actual isolated UF processed
  - the 'Isolated UF Rate' value box displays the weight loss rate during the isolated UF process
2. Isolated UF may be deactivated during the treatment, but it is not possible to reactivate it at a later time

## **Section C: Discontinuation of Isolated UF**

1. When the 'Isolated UF time' expires or when the 'Isolated UF Volume' is reached an information message is triggered. It will read 570 Isolated UF Completed.
  - Press the confirm button to confirm the message. UF Volume Confirmation Required' sub-screen opens:
    - Check the total UF volume value and change if needed, press confirm
  - 'UF' and the 'Dialysis Fluid' indicators become green
  - Hemodialysis treatment starts
2. The 'UF' and 'Dialysis Fluid' buttons are displayed on the Overview screen and their action indicators are now green

### **DOCUMENTATION:**

- Document according to program standards

### **RELATED POLICIES / LEGISLATION: N/A**

### **REFERENCES:**

1. Gambro Artis User Manual, 2010 Cod. 6992499 Rev. C

### **COMMENTS / SIGNIFICANT REVISIONS: N/A**