Iron Repletion and Maintenance Medication Orders

- Labs are drawn mid-week of first full week of Jan-Apr-July-Oct
- **Iron must not be given less than 7 days before iron labs are drawn. Make sure all iron orders are discontinued 7 days before the quarterly lab draws.**
- Repletion doses are given q treatment but not more than 3x/wk
- Monthly maintenance doses are started mid-week of the second full week of the month following the completion of the repletion doses.
- Iron is held if Hgb =>12 or Ferritin =>1000 or Iron Saturation >50%.
- Example 1:
  - July iron labs for a MWF patient are drawn Wed, July 8
  - If the Iron Sat is <20 %, the first of the 6 repletion doses would/could start on Mon, July 13 and next 5 doses would be 7/15, 7/17, 7/20, 7/22, 7/24.
  - First monthly maintenance dose would be Wed, Aug 12 and then Wed, Sept 9
  - End date Sept 30. Next Iron Labs Oct 7. This allows for a patient to miss treatments but also prevents them from getting a dose less than 7 days before the next iron lab draw.
- Example 2:
  - July iron labs for a MWF patient are drawn July 8
  - If the Iron Sat is 30-50%, there are no repletion doses.
  - The first monthly maintenance dose would be Wed, July 15 and then 4 weeks later, Wed, Aug 12 and Wed, Sept 9.
  - End date Sept 30. Next iron labs Oct 7.
- Example 3:
  - New MWF patient has first treatment within 3 weeks of quarterly lab draw (this pt's initial labs including Iron labs drawn Wed, June 17).
  - If Iron Sat is <20%, The patient only has time for up to 5 repletion doses before the next quarterly lab draw. The first of the 5 repletion doses would be Mon, June 22 and next 4 doses would be 6/24, 6/26, 6/28 and 7/1.
  - No maintenance dose order will be entered.

- Example 4:
  - Patient had iron repletion and maintenance orders entered after April quarterly labs as expected.
  - May monthly labs (May 6): Hgb =12.2
  - Put any open iron orders on hold
  - Hgb labs checked weekly.   May 13: Hgb =11.9
  - Restart iron. Making sure to end iron doses 7 days before next quarterly lab draw
- **Entering a Repletion dose order**
  - Frequency: on selected days MWF or TTSat or SunTT
  - Weekly
  - Start Date: Mon or Tues of the week following lab draw.
  - Dose Counter:
    - Starting dose 0
    - Total doses 3 or 6
  - Use the *Medications With Dose Counter* report to track iron doses given
    - It will list the details of the order, start date, number of doses given to date, dates doses were given and the total doses ordered.
    - It will also let you know if any doses were given previously on a separate order (Starting Doses) if the order is entered correctly.
    - In the example below, this patient received 2 doses on one or more other orders plus two doses on the current order for a total of 4 Doses Given of 6.

Patient	Start Date	Starting Dose	Total Doses	Doses Given	Administered On
sodium ferric gluconate complex 125 mg intravenously (12.5 mg/mL solution) 2 times a week x 6 Doses (4 given of 6)	04/18/2020	2	6	4	04/21/2020 (1 given of 6) 04/24/2020 (2 given of 6)

  - You can also use the *Medication Totals by Patient* report to see the dates of every medication administration within a date range.
  - In the example from above, the dates the patient received Ferrlecit were April 14 and 17 on a previous order and April 21 and 24 on the current order.

sodium ferric gluconate complex	125 mg intravenously	April 14, 17	D631
Start Date: 04/13/2020 End Date: 04/18/2020		**Total: 250**	
sodium ferric gluconate complex	125 mg intravenously	April 21, 24	D631
Start Date: 04/18/2020		**Total: 250**	
	Total sodium ferric gluconate complex: 500		

- o **Note:** When a medication using Dose Counter or Date of Next Dose is given in a treatment and the treatment is posted, the dose counter advances by one or the date of next dose advances by the ordered frequency. If the session is unposted and then posted again, the dose counter or date of next dose will advance again. This is why an order may need to be re-entered to reset the number of doses given or the date of next dose.

- **Entering a Maintenance dose order (entered at same time as repletion order)**
    - o Frequency: on Selected Days (mid-week run)
    - o Q 4 weeks. Set Date of Next Dose as the Mid-week treatment of the second full week.
    - o Start Date: Mid-week of second full week of the month following expected end of repletion.
    - o End Date: one week before the next quarterly lab draw date.
    - o Use the ***Medications with Date of Next Dose*** report*.*
        - ▪ A medication with a date of next dose will only show up in RTC>Medications/Imn on that date.
        - ▪ If an order has a Date of Next Dose in the past, it usually means the medication was not given on that date; probably because the patient did not have a treatment that day. Update the order with the new date of next dose so the medication will appear in RTC>Medications/Imn screen so it can be given.
        - ▪ If the date of next dose is more than the ordered frequency into the future from the last given date, it probably means an RTC session was unposted and then posted again, causing the date of next dose to advance an additional time and the order did not get corrected. Update the order with the correct date of next dose.