Centering Patients in Perinatal Care

June 3, 2025 | 1830-2000 PT



LAND ACKNOWLEDGMENT

We acknowledge that UBC CPD work on the traditional, ancestral and unceded territory of the Skwxwú7mesh (Squamish), xwməθkwəyəm (Musqueam), and Səİílwəta?/Selilwitulh (Tsleil-Waututh) Nations.





What is your relationship to the territory or the land that you're on?

FUNDING ACKNOWLEDGEMENT

Funding for this webinar has been provided by the Perinatal Community of Practice, an initiative of the Shared Care Committee and Joint Collaborative Committees.









LEARNING OBJECTIVES

 Apply strategies to support and facilitate immediate skin-toskin contact in the operating room following Cesarean delivery.



 Integrate current vaccination guidelines into routine prenatal care to ensure timely and effective immunization of pregnant individuals.



3. Determine the most appropriate form, route and timing of iron supplementation during pregnancy based on individual patient needs and clinical evidence.

DISCLOSURES

Speakers

- Dr. Tessa Chaworth-Musters: Has received honoraria for speaking from UBC CPD. Is an employee of Provincial Health Services Authority. *Mitigating potential bias:* Peer review of slides prior to presentation.
- UBC
- **Dr. Brian Conway:** Has received honoraria for presentations from Pfizer Canada. Has received honoraria for presentations, participated in advisory boards, and received funding for grants, research or clinical trials from AbbVie, Astra Zeneca, Gilead Sciences, GSK, Indivior Canada, Merck, Moderna, Sanofi Pasteur, Seqirus, and ViiV Healthcare. *Mitigating potential bias*: Dr. Conway will present fair-balanced literature-based information.



• Cindy Barton, Dr. Anna Looker, Dr. Andrea Steyne & Dr. Julie Wood (moderator): Nothing to disclose

DISCLOSURES

Planning Team

- **Dr. Bruce Hobson:** Has received funding from UBC CPD, Doctors of BC, PHSA, PainBC, Cowichan Valley Division of FP, Qathet Division of FP as a Medical Lead, Director, and Committee Member. There is **no potential conflict of interest** between this funding and this webinar.
- **Dr. Shelley Ross:** Has received funding from the Federation of Medical Women of Canada Pfizer related to RSV advocacy. There is **no potential conflict of interest** between this funding and this webinar.
- Stephanie Din, Caldon Saunders: Are employees of UBC CPD.





Skin-to-Skin for Caesarean Section: Within Five Minutes of Delivery and Continuously Throughout the Golden Hour



Dr. Andrea Steyn, Anesthesiologist and Cynthia Barton, Manager, Clinical Operations



Land Acknowledgement

We would like to acknowledge that this project was completed in Penticton which is the traditional, ancestral, and unceded territories of the Syilx (Saay-ilks) Nation where we live, learn, collaborate, work together and welcome the next generation.

Disclosures

Relationships with commercial interests

Grants: None

Speakers Bureau/ Honoraria: None

Consulting Fees: None

Other: None

Spreading Quality Improvement



Salmon Arm - SLGH

Skin-to Skin in Under 5 minutes in the Operating Room and within 5 minutes of arrival in PAR



Penticton - PRH

To elevate practice by delivering skin-to-skin within 5 minutes of operative delivery and throughout the Golden Hour



Trail - KBRH

Skin-to-Skin in Under 5 minutes in the Operating Room and continuously throughout the Golden Hour.





Enhancing
Maternal Baby
Wellbeing
Through Skin-toSkin in Operative
Births

Elevating Skin-to-Skin in Operative Deliveries

Dr. Andrea Steyn, Anesthesiologist Cynthia Barton, Clinical Operations Director



Skin-to-Skin With Your Baby During Caesarian Section – What to Expect







For more information about this project, please contact **SQI@interiorhealth.ca**

Thank you





Pregnancy: A unique Opportunity to Vaccinate

Brian Conway MD, FRCPC
Medical Director, Vancouver ID Centre
Adjunct Professor, Faculty of health Sciences
Simon Fraser University

SPEAKER DISCLOSURES

- Dr Brian Conway, MD, FRCPC
- Relationships with financial interests:
 - Grants/Research Support: AbbVie, Astra Zeneca, Gilead Sciences, GSK, Indivior Canada, Merck, Moderna, Sanofi Pasteur, Seqirus, and ViiV Healthcare
 - Speakers' Bureau/Honoraria: AbbVie, Astra Zeneca, Gilead Sciences, GSK, Indivior Canada, Merck, Moderna, Pfizer Canada, Sanofi Pasteur, Seqirus, and ViiV Healthcare
 - Consulting Fees: AbbVie, Astra Zeneca, Gilead Sciences, GSK, Indivior Canada, Merck, Moderna, Sanofi Pasteur, Segirus, and ViiV Healthcare
 - Full editorial control of this presentation resides with ME! OK!!!!

Introduction

- Protects pregnant women from infections that may affect pregnancy outcome
- Protects infants (transplacental transfer of IgG) for 4-6 weeks after birth
- No theoretical risk of adverse fetal effects of non-live vaccines
- All live vaccine contraindicated

Recommended Vaccines During Pregnancy

- All routine Inactivated vaccines
- HPV vaccine contraindicated due to lack of data, but this may change
- Tdap: to be given ideally between weeks 27-32, but can be given in 2nd trimester
- Influenza vaccine: inactivated, at all stages of pregnancy
- MMR/varicella: contraindicated (live vaccines)

Recommended Vaccines During Pregnancy

- Other vaccines
 - mRNA COVID-19 vaccine
 - HBV (if non-immune and at risk; severe consequences of acute HBV in pregnancy)
 - HAV (if at risk; severe consequences of acute HAV in pregnancy)
 - Meningococcal vaccine (if outbreaks or asplenic)
 - Pneumococcal vaccine
 - Travel vaccines: yellow fever
- Household contacts
 - Influenza and to a lesser extent COVID

Maternal RSV vaccine approved in Canada

	RSVPreF (Abrysvo™)
Type of vaccine	Recombinant RSVPreF A and preF B (bivalent)
Adjuvanted?	No
Administration	Single dose, IM
RSV target(s)	RSV-A, RSV-B
Amount of antigen delivered per dose	60 mcg RSVPreF-A 60 mcg RSVPreF-B

MATISSE: Primary endpoints, vaccine efficacy by cumulative days after infant birth^{1,2}

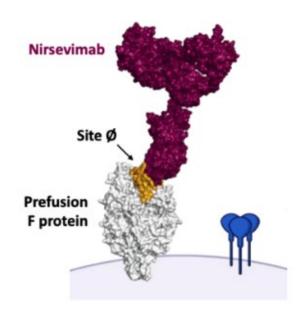
Maternal vaccine group (as randomized)^{1,2}

RSV-positive severe medically attended LRTI	RSVpreF 120 μg (Na=3495)	Placebo (Na=3480)	
Time interval	Number of cases (%)	Number of cases (%)	Vaccine efficacy, ^b % (CI ^c)
90 days after birth	6 (0.2)	33 (0.9)	81.8 (40.6, 96.3)
120 days after birth	12 (0.3)	46 (1.3)	73.9 (45.6, 88.8)
150 days after birth	16 (0.5)	55 (1.6)	70.9 (44.5, 85.9)
180 days after birth	19 (0.5)	62 (1.8)	69.4 (44.3, 84.1)
RSV-positive medically at	ended LRTI		
Time interval	Number of cases (%)	Number of cases (%)	Vaccine efficacy, ^b % (CI ^c)
90 days after birth	24 (0.7)	56 (1.6)	57.1 (14.7, 79.8)
120 days after birth	35 (1.0)	81 (2.3)	56.8 (31.2, 73.5)
150 days after birth	47 (1.3)	99 (2.8)	52.5 (28.7, 68.9)
180 days after birth	57 (1.6)	117 (3.4)	51.3 (29.4, 66.8)

CI, confidence interval; LRTI, lower respiratory tract illness; RSV, respiratory syncytial virus; RSVpreF, respiratory syncytial virus prefusion F.

en=number of participants (at risk) in the specified group. These values were used as the denominators for the percentage calculations. 12 bVaccine efficacy was calculated as 1-(P,[1-P]), in which P is the number of cases in the RSVpreF group divided by the total number of cases. The Cl was adjusted using Bonferroni procedure and accounting for the primary end points results. 12 e97,58% Cl for 190/150/180 days; Cl LB>20% for all time points. 1. Muniqul 1. Presented at: ACIP 2023; February 23, 2023; Atlanta, GA. 2. Kampman B, et al., N Engl J Med. 2023;388 (16):1451-1464.

Nirsevimab (Beyfortus™) monoclonal antibody



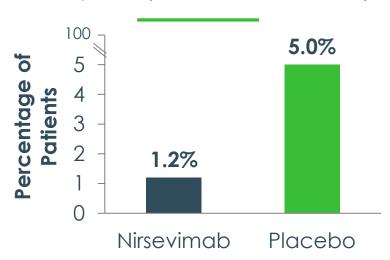
Inhibits conformational shift of preF protein, preventing viral membrane fusion

- Highly potent recombinant human IgG1 kappa monoclonal antibody (MAb)
- Targets highly conserved epitope on prefusion RSV F protein (site Ø)
- Indicated for prevention of RSV lower respiratory tract disease in neonates and infants during their first RSV season, and children up to 24 months of age who remain vulnerable to severe RSV disease through their second RSV season
- Once per season fixed intramuscular dosing
- Flexible dosing: at birth or just prior to RSV season

MELODY Primary and secondary efficacy endpoints

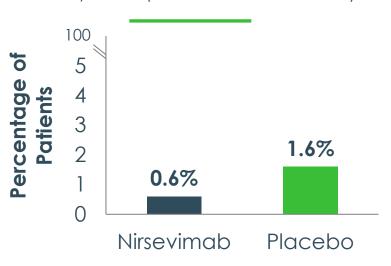
Primary endpoint:

Medically attended LRTI through Day 150 Efficacy, **74.5%** (95% CI 49.6 to 87.1; P<0.001)



Secondary endpoint:

Hospitalization for LRTI through Day 150 Efficacy, **62.1%** (95% CI -8.6 to 86.8; P=0.07)





What do the guidelines say?

Society of Obstetricians and Gynaecologists of Canada (SOGC) – Statement published July 18th, 2024:

- Clinicians should counsel pregnant patients about the risks of RSV infections in the newborn.
- Maternal vaccination with RSVpreF and infant administration of nirsevimab are both effective in reducing the burden of RSV disease and hospitalization in newborns aged ≤6 months.
 - If both are available, nirsevimab is currently the 1st-line recommended option
 - If there is no expected supply of nirsevimab or if the pregnant patient declines infant immunization, maternal RSV vaccination should be offered between 32+0 and 36+6 weeks



What do the guidelines say? (cont'd)

Society of Obstetricians and Gynaecologists of Canada (SOGC) – Statement published July 18th, 2024:

3

Dual immunization of the newborn through administration of both maternal immunization during pregnancy with RSVpreF and infant monoclonal antibody has not been studied is not recommended.

4

At a healthcare systems level, SOGC supports the universal RSV infant immunization program recommended by the National Advisory Committee on Immunization (NACI).

 Provinces and territories should work to provide a universal program focusing on cost-effectiveness and equitable access for the most marginalized and remote populations

Availability of Nirsevimab in British Columbia

Monoclonal antibodies were available for most infants in BC during the 2024-2025 RSV season. Currently, these medications are available only to certain infants and young children through the BC Infant Respiratory Syncytial Virus (RSV) Immunoprophylaxis Program, who meet specific criteria, such as:

- Young, premature babies with chronic medical conditions.
- Infants and young children with major heart or lung conditions.
- Infants living in some remote communities where healthcare access is more limited.
- **Cost:** These medications are free for children who are eligible through the BC RSV Immunoprophylaxis Program. They are not available for private purchase.

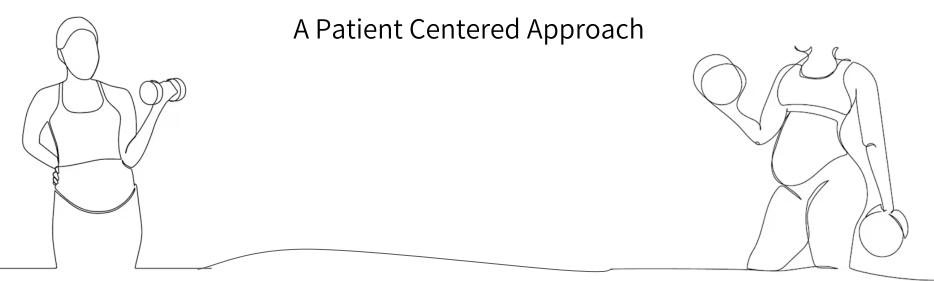
RSV vaccine for pregnant people in British Columbia

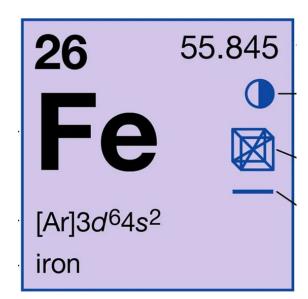
Timing: The vaccine is given just before or during the RSV season, between weeks 32 and the end of 36 weeks of pregnancy (up until 36 weeks and 6 days). For the best protection, it's important to get the vaccine at least two weeks before birth so the antibodies have enough time to reach the baby.

Safety: ABRYSVO™ is an inactivated (non-live) vaccine that is safe for pregnant people and their developing babies. It is the only vaccine approved for use in pregnancy that has been intentionally tested in pregnant people during clinical trials. Other RSV vaccines are not approved for use in pregnancy.

Cost: The vaccine is not free (it costs about \$300) and can be purchased at select pharmacies.

Pumping Iron in Pregnancy





Disclosures:

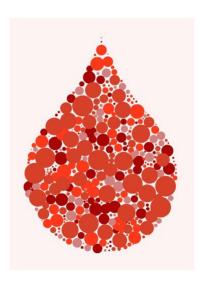
Relationships with Commercial Interests:

- Grants/Research Support: None
- Speakers Honoraria: UBC CPD
- Consulting Fees: None
- Employee: Provincial Health Services Association

Learning objectives

At the end of this talk, I hope you will be able to:

- 1. <u>Define anemia & iron deficiency in pregnancy</u>
- 2. Confidently prescribe oral iron
- 3. Determine when to consider IV iron in pregnancy
- 4. Distinguish between relevant IV iron preparations approved by Health Canada



Anaesthesia 2021, 76 (Suppl. 4), 56-62 C.Dugan, B. MacLean, K. Cabolis, S. Abeysiri, A. Khong, M. Sajic and T. Richards on MacLean, Lealth recease Mahorative.

The misogyny of iron deficiency Review Article

behalf of the Women's Health resear

Ontario's new iron deficiency guidelii 1 PhD Student, 5 Professor, Division of Surge change lives: doctors

Changing minimum to 30 μ g/l will mean earlier detection, treatm Lane Harrison · CBC News · Posted: Sep 09, 2024 4:00 AM EDT | Last Updated:



Why iron deficiency is more common – and more serious — than you think

Save

More Than a Third of Women Under 50 Are Iron-Deficient

The condition can cause fatigue and other symptoms but is rarely tested for. Here's what to know.

The New Hork Times



Marta Monteiro

How do we define anemia & iron deficiency in pregnancy?

	Health- ization				
Population	No anaemia	Mild anaemia	Moderate anaemia	Severe anaemia	
Pregnancy					
First trimester	≥110	100-109	70-99	<70	
Second trimester	≥105	95-104	70-94	<70	
Third trimester	? ≥110	100-109	70-99	<70	

	<30	Deficiency
Ferritin	30-50	Depletion
	>100	Normal stores

Non-pregnant adults Unclear in pregnancy

Guideline on haemoglobin cutoffs to define anaemia in individuals and populations [Internet]. Geneva: World Health Organization; 2024.

LISTED OUTCOMES ASSOCIATED WITH MODERATE/SEVERE (Hgb <100) MATERNAL ANEMIA



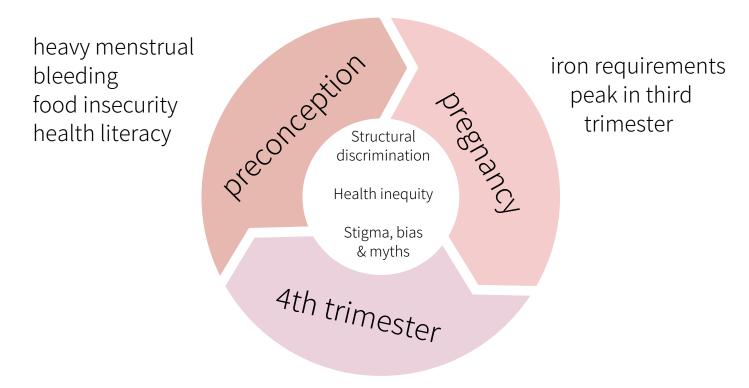
Pregnancy
Severe Maternal Morbidity
Blood transfusion
PPH - increased atony
Infection
Depression
C/S



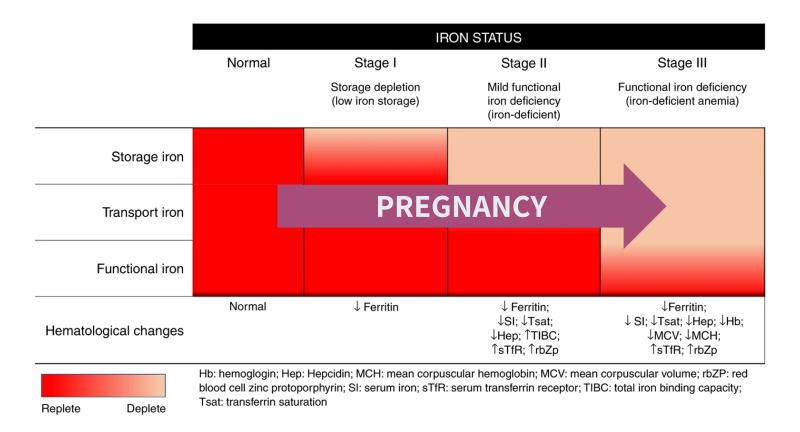
Newborn
SGA
Low Birth Weight
Preterm delivery
Low APGAR (<5 at 1 min)
Fetal Distress
NICU Admission
Iron deficiency at birth



<u>Children</u> ?impaired neurodevelopment



blood loss at delivery & breastfeeding



1st trimester more relevant that 3rd trimester iron deficiency for adverse outcomes



WHEN TO TEST

BC Ministry of Health & Perinatal Services BC recommend screening **everyone** for iron deficiency if: preconception, first trimester, breastfeeding or symptomatic.



WHEN TO START A DEDICATED IRON SUPPLEMENT

Ferritin < 30

Discuss values for treatment if ferritin <50-100

Preconception, after nausea / vomiting resolves, with GDM screen, postpartum!



WHEN TO STOP

Continue treatment for minimum 3-6 months postpartum or until ferritin >100.

Oral iron supplements are available in a range of formulations. Amount of elemental iron (iron available for absorption) and rate of absorption varies by formulation. The table below lists elemental iron content for a selection of googular onal formulations and estimated cost of treatment at a standard therespecific doze of 100 mm elemental iron one day. Onlinon supplements we available in a range of formulations. Amount of elemental iron (iron available for absorption) and rate of absorption varies by formulation. The ball iron (iron available for absorption) and rate of absorption varies by formulations. Amount of elemental iron (iron available for absorption) and rate of absorption varies by formulation. The ball iron formulation is a second of the sec rementar man current un a serreculant su programar com manimum man par ser seguin de la serie su servicio de la serie seguin de la serie del serie de la serie de la serie de la serie del serie de la serie del serie de la serie de la serie del serie de la serie del ser stinal side-effects. All formulations have similar rates of absorption and side effect profiles. considerations

IRON SUPPLEN A guide for midwi	xpensive and well-absorbed	handout is based on best av based on best av but associated with Elemental iron/dose	n gastrointestinal s Amt needed to reach 100 mg/day	one month treatment (100 Quantity	mg/day) Notes Other vita \$9.96 Enteric-co \$4.76 Enteric-co	coated	V V GF LF V DF K V DF K	
Formulation Br	rand name / Manufacturer on 50 mg Imred Release / Imparation Ferrous Glutonater Life Floadis Iron Tablet / Salus Floadis / Salus Floadis / Salus Floadis / Salus Ferroda / Odan Spatine Pur Absorb Iron / Nelson Sach USA Ferrous Sulfare Life Ferrotrate Nutrichem Polafer (Valeant)	50 mg 50 mg 306 mg 35 mg - 25 mg 10 mg 10 mL 10 mg 10 mL 5 mL 30 mg 50 mL 5 fr 137 mg 62	3 tablets 10 tablets 100 ml. syrup 100 ml. syrup 3 15 ml. syrup 9 20 liquid sacl 100 mg 1 capc 100 mg 5 ml.s	4 boxes 6 x 500 ml bottles 12 x 250 ml bottles 2 x 250 ml bottles 2 x 250 ml bottles 2 boxes 2 boxes 4 bottle 1 bottle 1 package 15 x 100 ml bottle 15 x 100 ml bottle	\$239.94 B6. B1 \$251.88 B6. B \$26.81 \$706.93 \$5.99 \$23.19 \$12.65 \$22.19 \$19.99 \$4.19	12. C, riboflavin, thiamine 112. C, riboflavin, thiamine Interic coated C C, Folate B12. C folate, mangane	VG G	F LF SF Maxim Page 10 to
FERRIC Forms Ferric F	Palafer / Valearii Palafer C Prenatal / Valearii Palafer C Prenatal / Valearii Ferrous Furnarate / Life Euro-Fer I Euro Part I Natural Fa Iron Factors / Natural Fa Not as well-absor	hed as ferrous salts nufacturer Dose randerhæghe – 20	65.7 mg 100 mg 35 mg 3 mg 3 mg 15 mg 15 mg	6 capsules 3 x 500	treatment (100 mg/d Cost nitty \$58. on Loutles \$11	Notes Other vitamins and folate, riboflavin	d minerals	Diet considerations Vo GF Vo GF V LF WF Wheat-free YF Yeast-free K Koober H Halal





YOU HAVE IRON DEFICIENCY (AND YOU'RE PREGNANT)



What is Iron Deficiency?

Iron is an essential mineral that your body needs for growth and development. It is an important component of hemoglobin, a protein in red blood cells that transports oxygen around the body. When your body does not have enough iron, your hemoglobin levels can drop below normal, and your organs are unable to get the adequate amount of oxygen they require. This condition is known as iron deficiency anemia. It is the most common form of anemia. A lack of iron can lead to many symptoms and impair your ability to do normal daily activities.



Why is iron important during pregnancy?



www.GYNOLcom

Iron deficiency occurs in over 30% of pregnancies in Canada.

Symptoms of iron deficiency are often dismissed as normal pregnancy symptoms. Many patients are left untreated, which

increases the health risks for both mom (heavy bleeding at delivery, need for blood transfusion) and baby (smaller size, preterm birth), There is even some information that it may have long-term effects on the baby's brain development.

What are my treatment options?

Iron deficiency can be treated.

Will eating more iron-rich foods help?

A dietary strategy works best for prevention rather than treatment of iron deficiency.

While eating an iron-rich diet can help to prevent iron deficiency anemia, an average person's intake of dietary iron is not enough to correct the condition once it has developed. There are two main sources of iron in our diets: animal (heme iron) and plant (non-heme)

Heme iron-	Lean red meat, chicken, fish, pork, shrimp
containing foods	
Non-heme iron- containing foods	Beans, leafy greens, dried fruits, eggs, wholemeal bread, iron-fortified breakfast cereals

The recommended daily intake of elemental iron in pregnant women is 27 mg per day.

Oral iron supplements, taken by mouth and absorbed through the digestive tract, are the first choice in treatment for most patients. Iron supplements are "over the counter" and do not require a prescription. There are many iron preparations available including pills, capsules, drops, and extended-release tablets (Table 1). If you have iron deficiency in pregnancy, prenatal vitamins do not have enough iron to correct the deficiency and an additional iron supplement will be required. Typically, adults will need to take between 60-120mg of elemental iron per day.

Intravenous (IV) iron infusion is an alternative treatment option to oral iron that can supplement iron at a much faster rate. It is safe and effective in the second and third trimester and during breastfeeding. It may be recommended by your doctor as an alternative option in cases where oral iron is not tolerated, not able to correct iron deficiency, or where iron is needed quickly (like close to the time of birth).

This material is intended for use by Canadian residents only. It is solely intended for informational and educational purposes. The information presented in these handouts is not to be used as a substitute for medical advice, independent judgement, or proper clinical assessment by a physician. The context of each case and individual needs differ between patients and this materia connot be applied without consultation with a trained doctor. This information handout is not intended for the glapnosis of health concerns or to take the place of the care of a medical ional. This material reflects the information available at the time of preparation

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Table 1: Some commonly recommended oral iron products

Oral Iron	Brand Name	Daily or alternate day dosing	Dose, mg	Elemental iron, mg/tab	Daily estimated cost*
Ferrous gluconate	Floradix®, Floravit®	1 - 2 tablets	300	35	\$0.10
Ferrous fumarate	Palafer®, Eurofer®	1 tablet	300	100	\$0.10



"Cost will vary depending on geographic location and subject to change

How should I take my oral iron?

MAXIMIZE IRON **ABSORPTION**

Take your iron supplements on an empty stomach (preferably 1-2 hours before a meal) with vitamin C.



Vitamin C can be in the form of a supplement (250-500mg) or a citrus drink (e.g. orange juice).

AVOID CERTAIN FOODS AND MEDICATIONS

Avoid these within 1 hour of oral iron:

- Calcium
- Proton pump inhibitors (e.g. omeprazole, pantoprozole)
- · Antacids (e.g. Tums, Gaviscon,
- famotidine) · Thyroid medication
- · Tea, coffee, milk
- Sov
- Eggs

WATER AND FIBRE

Consume lots of water and fibre with your iron to reduce constipation and cramping side effects. If you have constipation, try taking a laxative such as Senokot or PEG.

If the side effects of oral iron are very bothersome, you can try taking your iron supplement EVERY OTHER DAY.

() 6 What are the side effects of oral iron?

Side effects can be lessened by:

- Dark stools
- Stomach discomfort
- Nausea
- Diarrhea Constipation













Changing to 'every

other day dosing

These side effects are bothersome but not dangerous.

What happens now?

It is recommended that you repeat your blood tests 2-4 weeks after the start of your iron supplement to ensure that you are responding to treatment. Once your hemoglobin and iron levels are normalized, you may need to take the iron supplement for another six months.

For more information, talk to your doctor. Always consult with your doctor about the treatment plan that is right for you.





a substitute for medical advice, independent judgement, or proper clinical assessment by a physician. The content of each case and individual needs differ between patients and this material cannot be applied without consultation with a trained doctor. This information handout is not intended for the dispress of health concerns or to take the place of the care of a medical

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www.GYNQI.com



Lab based experiments vs clinical studies / "IRL"

Emphasis on overall adherence

→ avoid getting lost in the weeds

The best iron is the one taken

Considerations for parenteral iron:

- Advanced gestational age
- Moderate severe anemia
- Symptomatic
- Malabsorption syndromes
 - active inflammatory bowel disease, gastric-bypass



Intolerant to oral iron despite optimization:

- 3x a week dosing
- formulation change
- start low & go slow
- take with food or at night

Persistent anemia despite good trial of oral iron (takes time in pregnancy!)

- don't expect increase in ferritin

Relevant IV iron formulations : Health Canada

Iran Cueroca

Extensively

Published

Unclear risk of harm in first

trimester

"use in pregnancy when

benefits outweigh risks"

\$202.50 / 900mg

3 visits

Experience in

Points of Note

Pregnancy

Product

Cost

Monograph

Trade Name	Venofer	Ferric Derisomaltose <i>Monoferric</i>	Ferinject Not yet on BC pharmacare formulary
Max dose / visit	300mg	1500mg	1000 mg
Infusion time	2-4 hours	<90 mins	30-60 mins

Iron Isomaltoside /

Increasing

>1600 doses in trial setting

Highest rates of hypersensitivity

reactions

use after >16 weeks GA

if benefit outweigh risks

\$550 / 1000 mg

1 visit

Ferric Carboxymaltose

Extensively

Published

Hypophosphatemia in some

populations

use after >16 weeks GA

if benefit outweigh risks

TBD

Relevant IV iron formulations : Health Canada

2-4 hours

Extensively

Published

Unclear risk of harm in first

trimester

"use in pregnancy when

benefits outweigh risks"

\$202.50 / 900mg

3 visits

Infusion time

Experience in

Points of Note

Pregnancy

Product

Cost

Monograph

Name <i>Trade Name</i>	Iron Sucrose <i>Venofer</i>	Ferric Derisomaltose Monoferric	Ferric Carboxymaltose Ferinject Not yet on BC pharmacare formulary
Max dose / visit	300mg	1500mg	1000 mg
	·		

1 . . . 1 lr . . . l . . /

<90 mins

Increasing

>1600 doses in trial setting

Highest rates of hypersensitivity

reactions

use after >16 weeks GA

if benefit outweigh risks

\$550 / 1000 mg

1 visit

30-60 mins

Extensively

Published

Hypophosphatemia in some

populations

use after >16 weeks GA

if benefit outweigh risks

TBD

Points of note for IV iron preparations

Iron Isomaltoside / Ferric Derisomaltose
Monoferric

Hypersensitivity Reaction (Fishbane)

Ferric Carboxymaltose

Ferinject

Not yet on BC pharmacare formulary

Hypophosphatemia

<u>Trial data in pregnancy:</u>

India (n=1454)

23.4% infusion-related reaction

8.9% required treatment

1.9% moderate/severe reaction

0.0% infusion related serious adverse event

Denmark (n=100)

Not published

Stop infusion, monitor until symptoms resolve. Restart at 50% rate after >15 mins.

Consider cetirizine or ondansetron.

Trial data in pregnancy:

India (n=1451)

4.3% 2 weeks after infusion

2.5% 9 weeks after infusion

Nadir at 1-2 weeks post infusion Clinical significance not clear

Routine screening not currently recommended in healthy pregnant patient receiving x1 dose

Identified risk factors in general population:

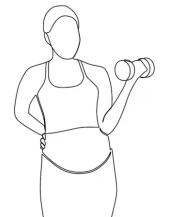
- Ferritin <10
- Normal kidney function / body weight
- Low baseline Phos
- Repeat or high doses

Final thoughts...

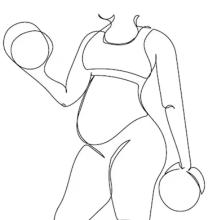
We can (& should) improve hemoglobin and ferritin in everyone.

Start oral iron early - preconception! after nausea/vomiting! & continue postpartum until replete.

Consider IV iron in pregnancy in setting of moderate/severe anemia, especially at late GA or oral not tolerated.



It is unclear if the correction of mild anemia or iron deficiency without anemia improves perinatal outcomes.



QUESTIONS?

THANK YOU: OBIM Team

CONTACT:

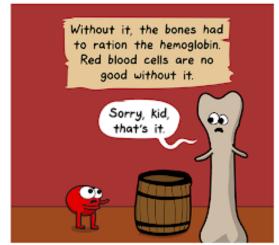
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you wearing?