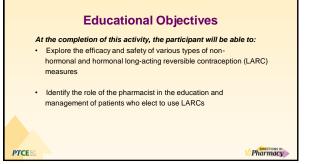
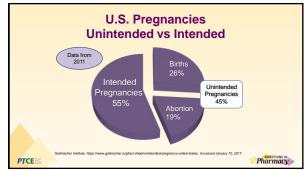


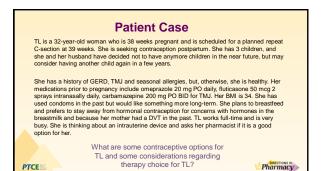
This activity is supported by an educational grant from Merck Sharp & Dohme Corp.

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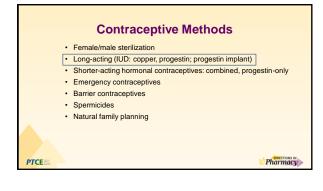






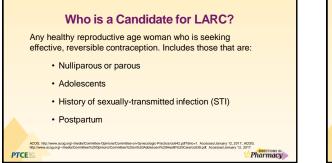


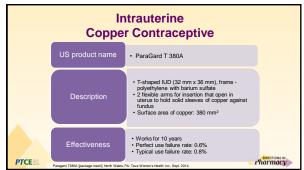






	Characte	ristics o	f LARC
	Ideal Contraceptive	Characteristics of Answer	LARC Details
	Highly Effective?	Yes	Low typical failure rates
	Long Duration of Action?	Yes	3 to 10 years
	Easily Reversible?	Yes	Return to fertility similar to non-LARC users
	Adverse Effects?	Yes	Varies
	Privacy of Use?	Yes	Not easily seen by others
	STI Protection?	No	Need other protection
	Easily Accessible? (able to attain, cost, availability)	Depends	Provider access for administration
	Paragard T380A (package insert). North Wales, PA: Teva V Heathcare Pharmaceuticals; December 2016.; Skyla (pack Liteta (package insert). Parsippany, NJ: Actavis Pharma, Ir (3):223-30.	age insert]. Wayne, NJ: Bayer He	althcare Pharmaceuticals; December 2016.;
E			<u>∪</u> Ph





Intrauterine Copper Contraceptive: Mechanism of Action

- Primary action: spermicide
- Copper ions
- Inhibit sperm motility by inhibiting acrosomal enzyme activation

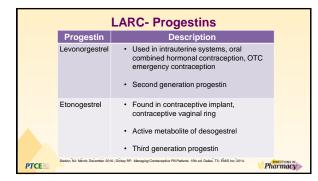
Paragard T380A (package insert). North Wales, PA: Teva Women's Health Inc.; Sept. 2014.; Zieman M, et al. Managing Contraception. 2016. Tiger, Ger Bridging the Gap Foundation, 2016.

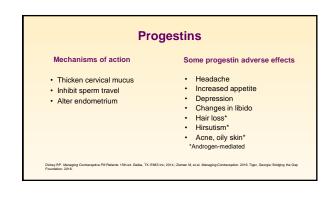
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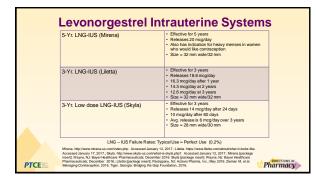
- Presence of device may prevent implantation
- Does not interfere with ovulation

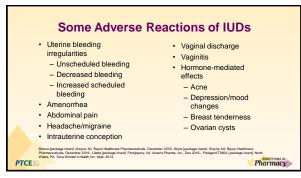
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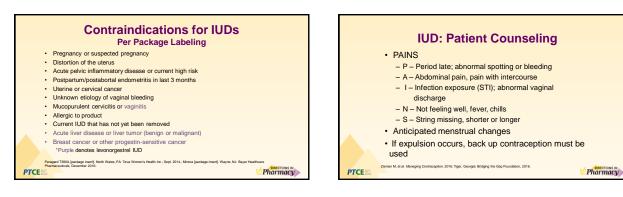
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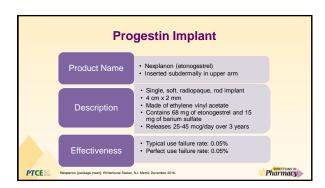


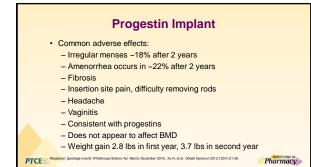


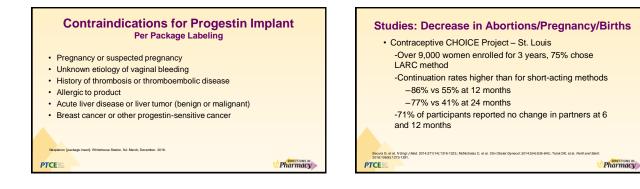










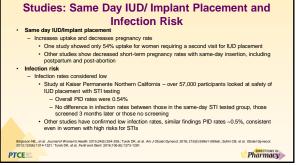


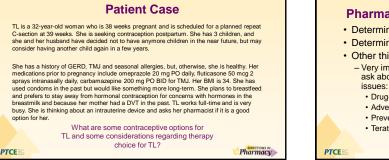


13% of postpartum women using short-acting contraceptives were pregnant within 18 months compared to 0.5% using LARC

Secura G, et al. N Engl J Med. 2014;371(14):1316-1323.; McNicholas C, et al. Clin Obster Gynecol. 2014;5(4):835-643.; Turok DK, et al. Fertil and Steril 2016;106(6):1273-1281. Pharmacy

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- Determine type of LARC
- Determine if it is a levonorgestrel based
- · Other things to consider/to counsel on
 - Very important when taking a medical history to also ask about LARC therapies to assess the following

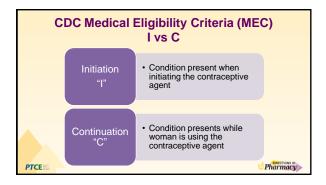
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- · Drug-drug interactions
- · Adverse drug reactions
- Prevention of STIs
- Teratogenicity

Pharmacist's Role in LARC Patient Care Other things to consider/to counsel on - Open dialog is key. May phrase question as: $_{\odot}$ "Are you currently using any forms of birth control such as over-the-counter spermicides, condoms, oral tablets, patch, vaginal ring, intrauterine device or implant?" o Open-ended, "What forms of birth control are you using, if any, such as over-the-counter spermicides, condoms, oral tablets, patch, vaginal ring, intrauterine device or implant?" PTCE Pharmacy





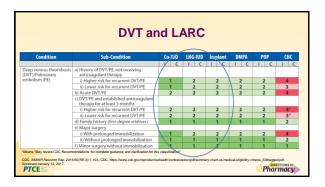


Condition	LNG IUD			Implant		CUIUD	
Obesity	1		1		1		
Hypertension (controlled)	Hypertension (controlled) 1 1			1			
Hypertension (uncontrolled)	2		2		1		
Diabetes	2		2		1		
Multiple cardiovascular risk factors	2		2		1		
History of DVT/PE/Thrombogenic mutations (Lower/higher risks for recurrent DVT/PE)	2 2		1				
Acute DVT or DVT/PE on anticoagulant therapy (Lower and higher risk for recurrent DVT/PE)	2		2		2		
Stroke	2		21 3	3 C	1		
Migraines with aura	1		1		1		
HIV infection (well receiving ARV)	1		2		1		
HIV (not clinically well or not on ARV therapy)	21 1	С	2		21	1 C	

Category 4 Contraindications

Condition	LNG IU	D	Implant)
Post-puerperal sepsis or septic abortion	4		1	4	1
Current PID, purulent cervicitis, chlamydia, or gonorrhea	41	2 C	1	41	2 C
Breast cancer	4		4		1
Unexplained vaginal bleeding	41	2 C	3	4 I	2 C
Cervical/endometrial cancer	41	2 C	2/1	4 I	2 C
Distorted uterine cavity	4		1	4	
Pelvic tuberculosis	41	3 C	1	41	3 C
Gestational trophoblastic disease with elevated B-hCG levels or malignant disease	41	2C	1	41	2 C
CDC. MARVR Recomm Rep 2018;65(RR-3):1-103; CDC. https://www.cdc.gov/rep eligibility-orthoria_508tagged.pdf. Accessed January 12, 2017.	roductiveheal	th/contracept	ion/pdf/summary-cl	hart-us-medic	Phart





L L	DC Medical El	igib	ility	Crit	eria		
Condition	Sub-Condition	Cu-IUD	LNG-IUD	Implant	DMPA	POP	СНС
		I C	I C	I C	I C	I C	I C
Breastfeeding	a) <21 days postpartum			2*	2*	2*	4*
	b) 21 to <30 days postpartum						
	i) With other risk factors for VTE			2*	2*	2*	3*
	ii) Without other risk factors for VTE			2*	2*	2*	3*
	c) 30-42 days postpartum						
	i) With other risk factors for VTE			1*	1*	1*	3*
	ii) Without other risk factors for VTE			1*	1*	1*	2*
	d) >42 days postpartum		-	1*	1*	1*	2*
Postpartum	a) <21 days						4
(nonbreastfeeding	b) 21 days to 42 days						
women)	i) With other risk factors for VTE			1	1	1	3*
	ii) Without other risk factors for VTE			1	1	1	2
	c) >42 days			1	1	1	1
Postpartum	a) <10 minutes after delivery of the placent						
(in breastfeeding or non- breastfeeding women.	i) Breastfeeding	1*	2*				
breastfeeaing women, including cesarean	ii) Nonbreastfeeding	1*	1*				
delivery)	b) 10 minutes after delivery of the placenta to <4 weeks	2*	2*)			
	c) ≥4 weeks	1*	1* /				
	d) Postpartum sepsis	4	4				

Postpartum and Breastfeeding Breastfeeding Copper IUD has no effect on breastfeeding Levonorgestrel IUD/Implant - Isolated reports of decreased breast milk Production

- Postpartum Use of IUD/Implant IUD
- Considered safe and effective
 Overall higher chance of expulsion
 provest later by a delayed mean in the section 4-8
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 prost later delayed performance of the section 4-8
 mondated postparture (within 10
 minutes after delayen) associated with:
 i. bower expulsion rates
 i. easi disconfiont
 - 12 month expulsion rates for copper IUD
 similar between c-section (9 to 14%) and
 wagnal births (13 to 19%)
 Implant
 - High continuation rates Considered safe and effective

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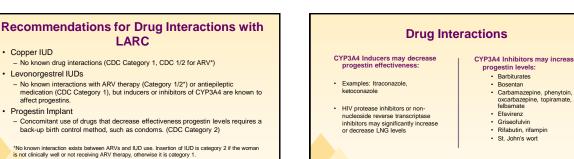
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WR Recomm Rep. 2016;65 (RR-3):1-103.; Paragard T380A (package insert). North Wales, PA: Teva Women's Health Inc.; Sept. 2014.

production – No adverse effects have been associated with health, growth or development of infant – LNG may pass into breast milk and reach infant – Raises theoretical concern – May recommend to wait 6 weeks postpartum before use if breastfeeding

Condition	Sub-Condition	Cu-	IUD	LNG	-IUD	Implant	DMPA	POP	CHC
		1	С	1	C	I C	I C	I C	
Drug Interactions		_		_					
Antiretroviral therapy All other ARV's are 1 or 2 for all methods.	Fosamprenavir (FPV)	1/2*	1*	1/2*	1*	2*	2*	2*	3*
Anticonvulsant therapy	 a) Certain anticonvulsants (phenytoin, carbamazepine, barbiturates, primidone, topiramate, oxcarbazepine) 	1		1		2*	1*	3*	3*
	b) Lamotrigine	1		1		1	1	1	3*
Antimicrobial	a) Broad spectrum antibiotics	1		1		1	1	1	1
therapy	b) Antifungals	1		1		1	1	1	1
	c) Antiparasitics	1		1		1	1	1	1
	d) Rifampin or rifabutin therapy	1		1		2*	1*	3*	3*
SSRIs		1		1		1	1	1	1
St. John's wort		1		1		2	1	2	2



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ena (package insert). Wayne, NJ: Bayer Healthcare Phar als: October 2016 PTCE

CYP3A4 Inhibitors may increase

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