

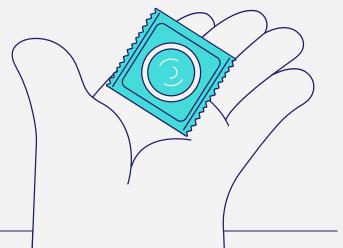
Kontrasepsi











Defenition....



Contraseption??

Alat dan Obat Kontrasepsi adalah alat dan obat kontrasepsi yang dipergunakan dalam pelayanan program pembangunan keluarga, kependudukan, dan keluarga berencana yang diperuntukkan bagi pasangan usia subur

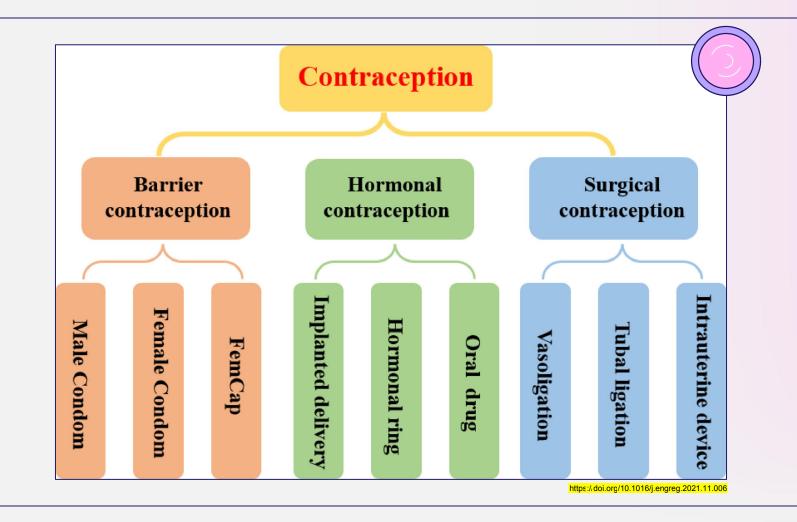
Peraturan BKKBN NOMOR 1 TAHUN 2023

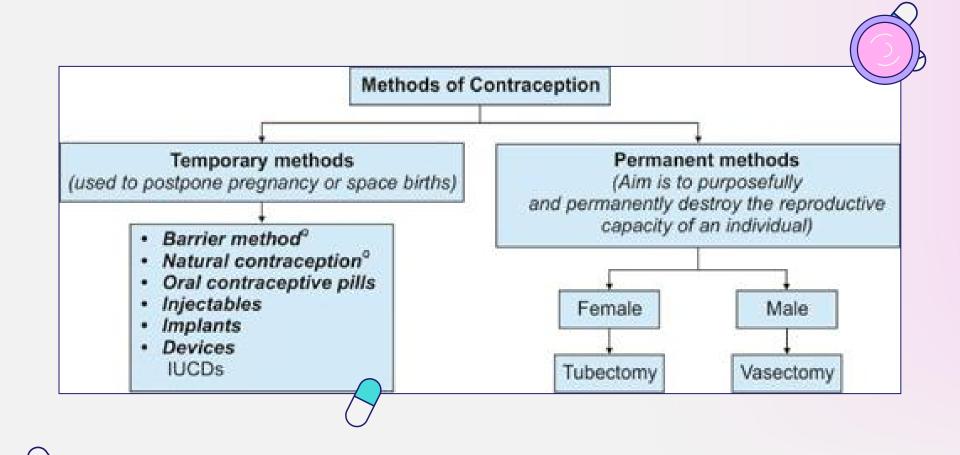


Penggunaan Kontrasepsi

Menunda kehamilan (mencegah kehamilan sementara)

Membatasi kehamilan/kelahiran



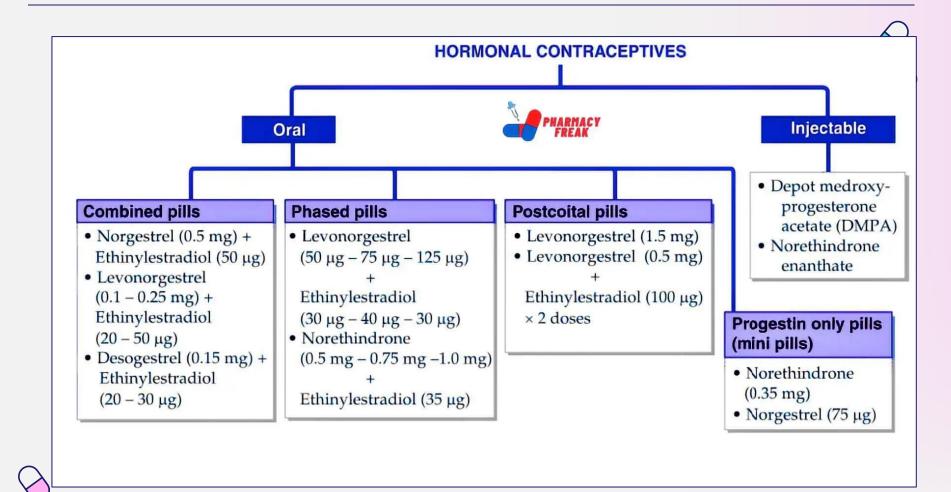


Tabel Pengklasifikasian Metode Kontrasepsi

	KANDUNG			KANDUNGAN MASA PERLINDUNGAN			MODERN/TRADISIONAL		
NO	METODE	HORMONAL	NON HORMONAL	MKJP	NON MKJP	MODERN	TRADISIONAL		
1	AKDR Cu		V	V		1			
2	AKDR LNG	V		1		1			
3	Implan	V		1		V			
4	Suntik	V			V	V			
5	Pil	√			N	→ √			
6	Kondom		V		V	V			
7	Tubektomi/ MOW		1	V		√			
8	Vasektomi/ MOP		1	1		1			
9	Metode Amenore Laktasi/ MAL		1		V	V			
10	Sadar Masa Subur		1		٧		٧		
11	Sanggama Terputus		V		٧		V		



PEDOMAN PELAYANAN KONTRASEPSI KEMENKES, 2021



Contoh Produk Kontrasepsi Oral





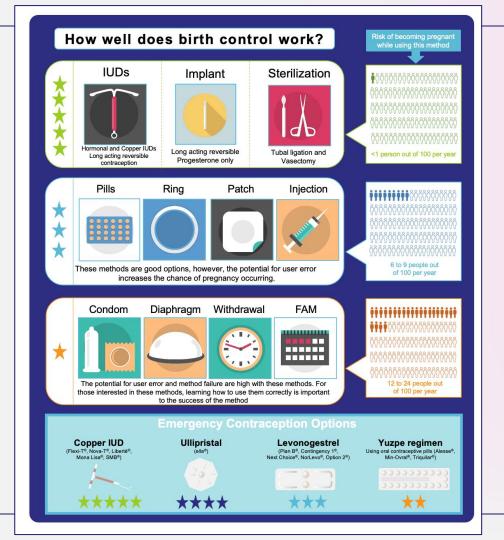
Type Progestin/estrogen	Brand	Progestin (mg)	Estrogen (mcg)	Packaging Notes	
	Combination	Extended Cycle			
Levonorgestrel/ethinyl	Jolessa	0.15	30		
estradiol (EE)	LoSeasonique	0.1 none	20 10	84 active 7 inactive	
	Seasonale	0.15	30		
	Seasonique	0.15 none	30 10	84 active 7 inactive	
	Combination	on Monophasic			
Norethindrone/EE,	Generess Fe	0.8	25		
ferrous fumarate	Junel Fe 1/20*b	1	20		
	Junel Fe 24	1	20	24 active 4 inactive	
	Lo Loestrin Fe	1 none	10 10	24 active 2 active	
Norethindrone/EE	Junel 21 1/20°b	1	20		
	Necon 0.5/35°	0.5	35		
Levonorgestrel/EE	Lessina Portia	0.1 0.15	20 30		
Norgestrel/EE	Low-Ogestrel Ogestrel 0.5/50	0.3 0.5	30 50		
Desogestrel/EE Aprid Drospirenone/EE Yasmin* Yaz		0.15 3 3	30 20 20		
Norgestimate/EE	Sprintec ^f	0.25	35		

		20000		
	Combination Mono	phasic With Fola	te	
Drospirenone/EE, Levomefolate calcium 451 mcg (active and inactive)	Beyaz	3	20	24 active 4 inactive
	Combinatio	n Biphasic		
Norethindrone/EE	Necon 10/11	0.5 1	35 35	10 active 11 active
Desogestrel/EE	Kariva	0.15 none	20 10	21 active 5 active
	Combinatio	n Triphasic		
Desogestre/EE	Cyclessa	0.1 0.125 0.15	25 25 25	7 active 7 active 7 active
Norethindrone/EE	Necon 7/7/79	0.5 0.75 1	35 35 35	7 active 7 active 7 active
Norgestimate/EE	Ortho Tri-Cyclenh	0.18 0.215 0.25	35 35 35	7 active 7 active 7 active
_	Ortho Tri-Cyclen Lo	0.18 0.215 0.25	25 25 25	7 active 7 active 7 active
Levonorgestrel/EE	Enpresse	0.05 0.075 0.125	30 40 30	6 active 5 active 10 active
	Progest	in Only		
Norethindrone	Camilla ⁱ	0.35	none	

Note: This is a summary of available products; for an exhaustive list, see Reference 32. "Also available as 1.5/30. "Also marketed as Microgestin. 'Also available as 1185. "Also marketed as Desogen and Reclipsen." Also marketed as Ocella. 'Also marketed as Ortho-Cyclen and Monomessa. "Also marketed as Notrel 77/7. and Ortho-Novim 77/7. "Also marketed as Tri-Sprintec and Trinessa. 'Also marketed as Errin, Jolivette, Nov-QD, Nora-be, Ortho Micronor. Fe: iron. Source: Reference 32.



Metode kontrasepsi







PIL KB

Nama dagang	kandungan	Jumlah tablet	Cara pakai	Biaya
Andalan postpill	Levonogestrol 0.75 mg (progestin)	2 tab	Diminum 1 pil sekaligus dalam waktu 12 jam atau maksimal 120 jam (5 hari) setelah berhubungan seksual tanpa perlindungan alat kontrasepsi.	Murah
Andalan	Levonogestrel 0.15 mg, dan ethinylestradiol 0.03 mg	56 tab	Diminum sesuai petunjuk dokter, 1 kali sehari, sebanyak 1 tablet sebelum atau bersama makanan.	Murah
Postinor- 2	Levonogestrol 0.75 mg	2 tab	Ambil dua tablet secara oral pada waktu yang sama sesegera mungkin. Sebaiknya dalam waktu 12 jam dan tidak lebih dari 72 jam setelah berhubungan seksual tanpa pengaman.	Murah
Yasmin	Drospirenon 3 mg (progestin) dan Etinil Estradiol 0.030 mg (estrogen)	21 tab	Diminum tiap hari 2 tablet, selama 21 hari. Lalu 7 hari tanpa tablet, dan seterusnya.	Mahal
Yaz	Drospirenone 3 mg dan ethinylestradiol 0.02 mg	28 tab	Diminum 1 tablet per hari, di jam yang sama selama 28 hari berturut-turut bersama makanan. Tiap tablet dari kemasan baru dikonsumsi 1 hari sesudah hari penggunaan tablet terakhir, pada kemasan yang sebelumnya.	Mahal

ORAL CONTRACEPTIVE MANAGEMENT



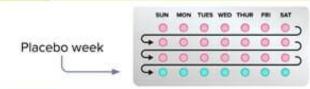
Combined Oral Contraceptive (COC)

Active

Estrogen (ethinylestradiol, estradiol, mestranol) & progestin (levonorgestrel, norethindrone, norgestrel, etc) - many combinations

Progestin-Only Pill (POP)

A single progestin (levonorgestrel, norethindrone, drospirenone)



28 (27 26 25 25 24 23 22

Mechanism of action Estrogen:

suppresses FSH, prevents follicle development

Progestin: suppresses LH, prevents ovulation, thins uterine lining, thickens cervical mucus

28-day pill pack typically includes 3 weeks of pills containing hormones and one week of placebo or iron

Progestin:

suppresses LH, prevents ovulation, thins uterine lining, thickens cervical mucus

Administra-tion pills. Period or "withdrawal bleed" occurs during placebo week, then client starts new pill pack. May also be taken on a 91-day cycle.

libido, irregular bleeding

New pill pack is started as soon as previous pack is completed.

hormone-containing pills and no placebo.

Common side effects:

Nausea, breast tenderness, headaches, weight gain, mood changes, decreased

Risk of blood clots + PE, MI, stroke

Hypertension Rare hepatic adenoma

Serious adverse effects:

Common side effects: Nausea, headaches,

Continuous cycling:

breast tenderness. acne, mood changes, libido changes

28-day pill pack includes all

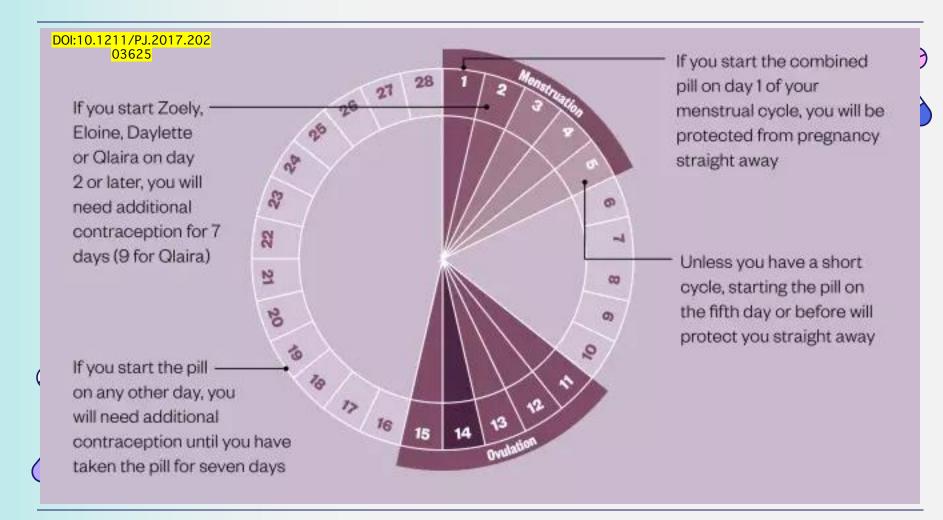
Lower risk of blood clots

Higher likelihood of irregular bleeding

Lupa minum pil KB?

- Lupa kemarin →segera minum saat ingat.
- Baru meningat 2 hari kemudian → minum
 2 pil.
- Lupa minum selama 2 hari → minum 2 pil saat mengingatnya & 2 pil lagi keeseokan harinya.

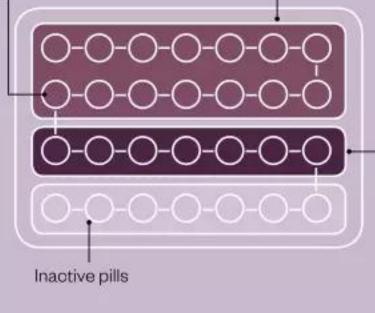
Kembali pada jadwal awal



DOI:10.1211/PJ.2017.202 03625

Missed pills on week 2:

- Take the most recently missed pill straight away and further pills as usual
- Extra precautions (condoms) are needed for the next 7 days

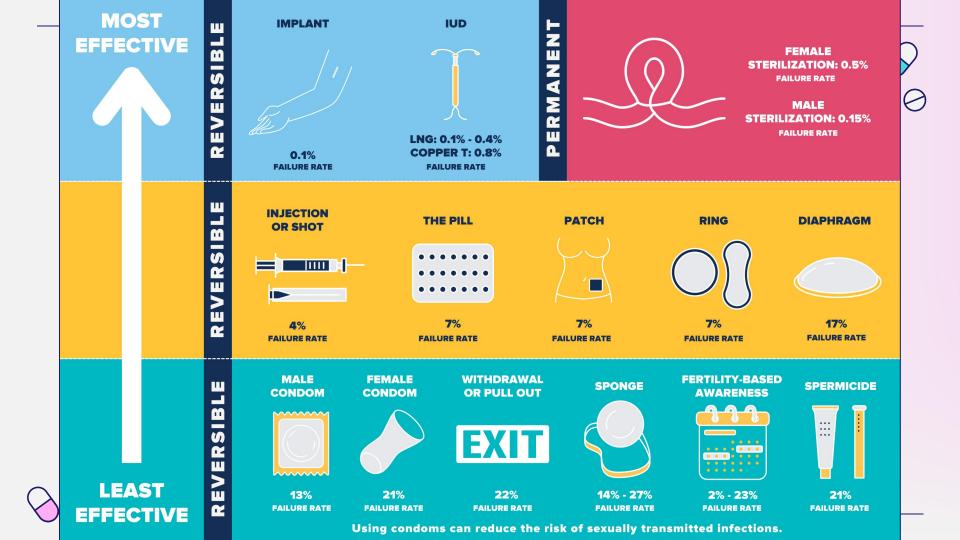


Missed pills on week 1:

- Take the most recently missed pill straight away and further pills as usual
- Extra precautions (condoms) are needed for the next 7 days
- Emergency contraception is recommended if there has been unprotected sex

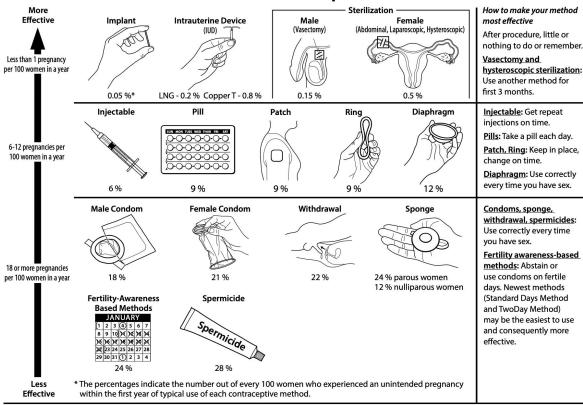
Missed pills on week 3:

- Take the most recently missed pill straight away and further pills as usual
- Omit the pill-free interval (or inactive pills)
- Extra precautions (condoms)
 are needed for the next 7 days



EFEKTIVITAS KONTRASEPSI

Effectiveness of Contraceptive Methods





CONDOMS SHOULD ALWAYS BE USED TO REDUCE THE RISK OF SEXUALLY TRANSMITTED INFECTIONS. Other Methods of Contraception

Lactational Amenorrhea Method: LAM is a highly effective, *temporary* method of contraception. **Emergency Contraception**: Emergency contraceptive pills or a copper IUD after unprotected intercourse substantially reduces risk of pregnancy.

intercourse substantially reduces risk of pregnancy.

Adapted from WHO's Family Planning: A Global Handbook for Providers (2001) and Trussell et al (2011).

CS 231556

Birth Control Methods Chart



Designed for providers to help clients consider their birth control options, this chart takes client autonomy into account and presents methods that clients can start and stop on their own and those that require provider involvement (prescription or procedure). The chart highlights method characteristics, including use & frequency, so clients can make informed decisions, based on their own preferences. Note: Within each table, the methods are listed in order of pregnancy risk, and side effects are alphabetized within each method.

CLIENTS CAN START AND STOP ON THEIR OWN

Method	Pregnancy Risk*	Use & Frequency	Period Changes	Potential Side Effects	Other Considerations
Pill (progestin-only), Opill	9 out of 100	Client takes by mouth same time every day.	Spotting or bleeding between periods. May not have traditional withdrawal bleeding	Acne, breast tenderness, headache, nausea, weight gain	Available OTC. Safe for people with high blood pressure, blood clot history and those who can't take estrogen.
Condom (external)	13 out of 100	Client rolls onto erect penis (external) every time has sex.	None	Allergic reactions, vaginal irritation	Method prevents STIs. Requires a cooperative partner.
Fertility Awareness-based (FAB)	15-24 out of 100 (depends on specific FAB method)	Client tracks signs of fertility daily and abstains from sex on fertile days.	None	None	Must have regular cycles and be comfortable tracking basal body temperature and cervical mucus.
Spermicide or vaginal sponge	21 (spermicide alone) or 9 (sponge) out of 100	Client inserts into vagina before penile-vaginal sex every time.	None	Vaginal irritation	Pair with another method for back-up.
Condom (internal)	21 out of 100	Client inserts into vagina (internal) every time has sex.	None	Allergic reactions, vaginal irritation	Method prevents STIs. Requires a cooperative partner.
Withdrawal	25 out of 100	Partner with penis ejaculates outside of and away from vagina.	None	None	Requires a cooperative partner.

REQUIRES PROVIDER TO START WITH A PRESCRIPTION (CLIENTS CAN STOP ON THEIR OWN)—CONTINUED ON OTHER SIDE

Method	Pregnancy Risk*	Use & Frequency	Period Changes	Potential Side Effects	Other Considerations
Shot (IM/SC) progestin-only	4 out of 100	Provider administers shot (IM), or the client self-administers (SC) shot every 12–15 weeks.	Spotting, lighter period, or no period	Bone density loss, headache, weight gain	Delay in fertility return. Not visible to others.
Patch (transdermal system estrogen + progestin)	7 out of 100	Client places patch on back, butt, or belly. Every month, changes patch weekly for 3 weeks and no patch for 1 week.	Temporary spotting or lighter period	Breast tenderness, headache, nausea, skin irritation, stomach pain	May be less effective in people with a BMI of 30 or over. Extended/continuous use option.
Pill (combined estrogen + progestin)	7 out of 100	Client takes by mouth daily.	Temporary spotting or lighter period	Breast tenderness, headache, nausea, risk for blood clots	May reduce acne, cramping, and PMS. Extended/continuous use option.
Ring (estrogen + progestin)	7 out of 100	Client places ring into vagina. Every month, keeps ring in vagina for 3 weeks and then removes for 1 week.	Lighter period or temporary spotting	Breast tenderness, nausea	Two types: monthly and yearly. May reduce acne, cramping, and PMS. Not visible but can be felt by partners.
Pill (progestin-only, "the mini pill")	9 out of 100	Client takes by mouth at the same time every day.	Spotting or bleeding between periods. May not have traditional withdrawal bleeding	Acne, breast tenderness, headache, nausea, weight gain	Safe for people with high blood pressure, blood clot history, and those who can't take estrogen.

^{*}The number of people out of every 100 who have an unintended pregnancy within the first year of typical use of each method.





CONTRACEPTION SIDE EFFECTS AND PATIENT EDUCATION





Ring

Combined hormonal contraceptives (COCs)

COCs contain estrogen and progestin. Side effects may vary based on the type and dose of each component.

Common, benign side effects

- Breakthrough bleeding
- Nausea
- Headaches
- Abdominal cramping
- Breast tenderness
- · Vaginal dryness
- Decreased libido
- Mood changes

Serious adverse effects

- Hypertension
- Blood clots (VTE, stroke)
- · Cardiovascular events
- Liver dlsorders
- Glucose dysregulation in clients with history of diabetes

Contraindications

Uncontrolled hypertension

PIII

- · Migraine with aura
- · Ischemic heart disease
- History of blood clots or coagulation disorders
- · Known liver disease
- Smokers > 35 years old
- Endometrial or breast cancer

WARNING SIGNS

Patch

- Abdomen: severe pain may indicate liver tumor or ectopic pregnancy
- C Chest: severe pain and SOB may indicate MI or PE
- Head: sudden severe headache may indicate stroke
- E Eye: blurriness or loss of vision may indicate blood clot in eye
- S Sudden paln or swelling in leg: may Indicate VTE

Client education

- Review ACHES and how to report concerning symptoms
- Encourage reporting of benign side effects as well, may be improved by change of formulation

ACHES (Birth Control Adverse Effects)





The ACHES acronym for birth control side effects

ACHES is a mnemonic used to remember the warning signs for serious adverse effects of hormonal contraceptives.

- A Abdomen: severe pain may indicate liver tumor or ectopic pregnancy
- C Chest: severe pain and SOB may indicate MI or PE
- H Head: sudden severe headache may indicate stroke
- E Eye: blurriness or loss of vision may indicate blood clot in eye
- S Sudden pain or swelling in leg: may indicate VTE





The pill toolbox: How to choose a combined oral contraceptive

doi: 10.12788/obgm.0056

minimize adverse ef	fects or risks	
Adverse effect/risk	Recommended pill type	Pill examples
Mood changes	Extended cyclic or continuous	Seasonique, Introvale, Amethyst
Nausea, breast tenderness	Pill with ethinyl estradiol 20 µg or lower	Loestrin 1/20, Lo Loestrin
Hypertension	Drospirenone-ethinyl estradiol	Yaz, Yasmin
Intermenstrual bleeding	Third-generation progestin with more than 20 µg ethinyl estradiol	Sprintec, Ortho-Cyclen
Venous thromboembolism	First- or second-generation progestin with low estrogen dose	Loestrin 1/20, Amethyst
Weight gain	Drospirenone-ethinyl estradiol	Yaz, Yasmin



Managing Adverse Effects



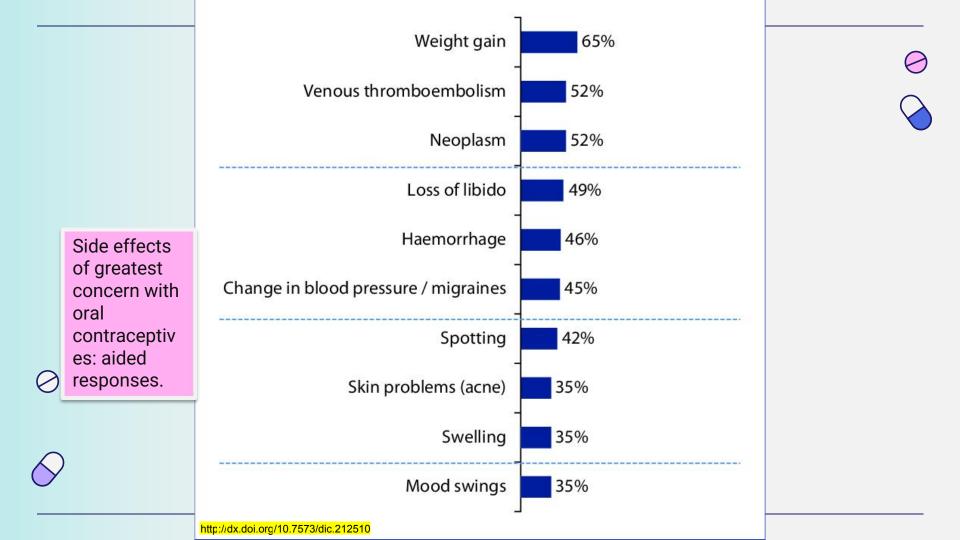




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Adverse Effect	Management Strategy					
Bloating/fluid retention	Reduce estrogen dose Change to progestin with mild diuretic effect (drospirenone)					
Breakthrough bleeding	If EE dose 20 mcg, increase to maximum of 35 mcg Change progestin if already taking EE dose of 30-35 mcg					
Breast tenderness	Reduce estrogen or progestin dose Change progestin (less androgenic with less water retention) Consider OC with drospirenone					
Dysmenorrhea	Extended-cycle regimen to decrease frequency of bleeding					
Headache	Reduce estrogen dose and/or change progestin If during hormone-free week, can consider extended-cycle OC					
Nausea	Reduce estrogen dose Take with food or at bedtime Consider progestin-only contraceptive					

https://journalce.powerpak.com/ce/prescribing-oral-contraceptives-a-new



DOI:10.1211/PJ.2017.202 03625 Breast cancer -In the UK, around 1% of breast cancers in women are associated with oral contraceptives Ovarian cancer -The risk of ovarian cancers is reduced by 50% after >5 years of COC Cervical cancer · Cervical cancer risk is doubled after >5 years of COC

Venous thromboembolism (VTE)

VTE risk is increased but is small compared with the risks during pregnancy and immediately after giving birth. The risk varies depending on the type of progestogen in the pill. The risk of VTE is highest in the four months following initiation of OOCs

Women not using a combined hormonal pill/patch/ring and not pregnant	About 2 out of 10,000 women
COC containing levonorgestrel, norethisterone or norgestimate	About 5-7 out of 10,000 women
COC containing etonogestrel (ring) or norelgestromin (patch)	About 6-12 out of 10,000 women
COC containing drospirenone, gestodene or desogestrel	About 9-12 out of 10,000 women
COC containing chlormadinone, dienogest or nomegestrol	Not yet known
Pregnancy	29 per 10,000 women years
Immediate postpartum period	300-400 per 10,000 women years





Kind of progestin, their generation and potential effects.

CHCCG.				
SI. No.	Kind of Progestin	Generation	Effects	
1.	Northindrone	1 st	Low progestational and slight oestrogenic effect. In low dose improve lipid profile by raising HDL and lowering LDL.	
2.	Northindrone Acetate	1 st	Low progestational and slight oestrogenic effect.	
3.	Ethynodiol Diacetate	1 st	Medium progestational effect, minor oestrogenic effect and little androgenic effect. Associated with mid-cycle BTB and spotting but with higher dose of oestrogen, no such side effects.	
4.	Levonogestrel	2 nd	High progestational and androgenic effect. Negatively affect serum lipoprotein.	
5.	Norgestrel Mixture of inactive (dextro-norgestrel) & active levonogestrel.	2 nd	High progestetational and strong antioestrogenic effect as well as high androgenic effect. May cause LDL cholesterol to be increased and allowing HDL cholesterol to be lower.	
6.	Desogestrel	3 rd	High progestational selectivity, minimizing androgenic effects and oestrogenic activity.	
7.	Norgestimate	3 rd	High progestational and slight oestrogenic effect. Minimal effect on serum lipoprotein and on carbohydrate metabolism. Helpful in lowering side-effects such as nausea and vomiting.	
8.	Drospirenone (Progestin derived from 17a- Spirolactoneis)	4 th	Potent progestogenic, low androgenic activity helps to suppress the secretion of the hormone that regulates the body's water and electrolyte. Causes higher K level, so women with kidney, liver or adrenal disease shouldn't use.	



Adult Female
Acne:
Managing the
Hormones

Brand Name of COC	Progestin		
	(generation classification)		

Alesse®	Levonogestrel (2nd)
Tri-Cyclen®	Norgestimate (3rd)
Yaz®, Yasmin®	Drospirenone (4th)
Diane®-35*	Cyproterone acetate (4th)

Table 2: COCs approved by Health Canada for treatment of acne. *Diane®-35 is approved for acne only (not contraception). The others COCs listed in table are approved for both acne and contraception.

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Adult Female Acne: Managing the

Tiorniones				
Generations of Progesterone and Contraceptives	Impact on Acne			
1st Generation – marked intrinsic androgenic effect • Metabolize to norethindrone (such as Lolo®)	Worsen/cause acne			
 2nd Generation – varying androgenic effect Norgestrel/levonorgestrel (Min-Ovral®, Seasonique®, Indayo®, Alesse®, Aviane® Alysena™, Triquilar®) 	May worsen or help treat acne			
 3rd Generation – least androgenic Desogestrel, norgestimate, gestodene (Marvelon®, Mirvala™, Linessa®, Cyclen®, Tri-Cyclen®) 	Effectively treats acne			
 4th Generation/synthetic anti-androgenic Cyproterone acetate – inhibits 5-alpha-reductase and blocks androgen receptor (Diane-*35) Drospirenone (synthetic analogue of spironolactone equivalent to 25 mg of spironolactone) - inhibits androgen production in gonads and blocks androgen receptor (Yasmin*, Yaz*) 	Most effective for treating acne			

Table 1: Commonly used COCs and the progestin they contain.

	Hormonal Agent	Progestin (generation classification)
Adult Female Acne: Managing the Hormones	Depo-Provera® IM injection	Medroxyprogesterone acetate (1st)
	Movisse [™] tablets, Micronor [®] tablets	Norethindrone (1st)
	Menopausal treatments: Activelle® tablet, Estalis™ transdermal patch	Norethindrone (1st)
	Hormonal IUDs (Mirena®, Kyleena®)	Levonorgestrel (2nd)
	Evra® transdermal patch	Norelgestromin (3rd)
	NuvaRing® vaginal ring	Etonogestrel (3rd)
	Nexplanon® subdermal implant	Etonogestrel (3rd)
	Slynd® tablets	Drospirenone (4th)
	Table 3: Other commonly use and the progestin they contain	d contraceptives/hormonal agents



COUNSELIN

G

Table 5

Patient Counseling for Contraception

- Start date and how to complete the pill pack
- Missed-dose instructions
- Importance of adherence and transitioning to a new pill pack
- Follow-up and changes in health status or medications

Source: References 1, 12, 14, 20, 29.

https://journalce.powerpak.com/ce/prescribing-oral-contraceptives-a-new





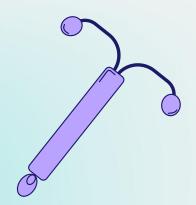


Rangkuman

- Pemberian resep oleh apoteker memberikan kesempatan bagi pasien untuk mengakses kontrasepsi secara lebih baik dan dapat memungkinkan pengelolaan efek samping yang lebih baik terkait kontrasepsi karena keahlian apoteker dalam pengobatan dan aksesibilitasnya.
- Apoteker harus memastikan bahwa mereka melakukan skrining yang memadai terhadap pasien sebelum memulai kontrasepsi dan harus memberikan edukasi menyeluruh untuk mencegah risiko kehamilan yang tidak direncanakan akibat teknik pemberian yang buruk atau kurangnya penerimaan terhadap kontrasepsi karena masalah seperti bentuk sediaan atau efek samping.







O1 Any Questions?



Thanks













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