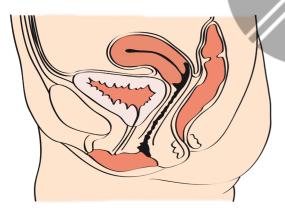
Reproductive system

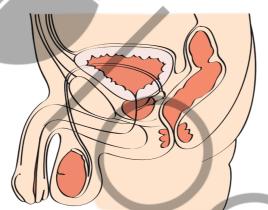


What is a reproductive system?

Male pelvis - sagittal section

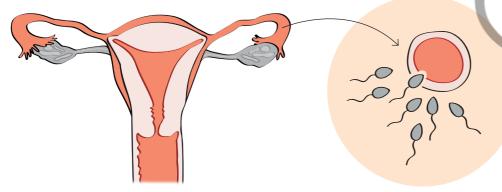
Female pelvis - sagittal section





Uterus and ovaries - frontal view

Fertilization

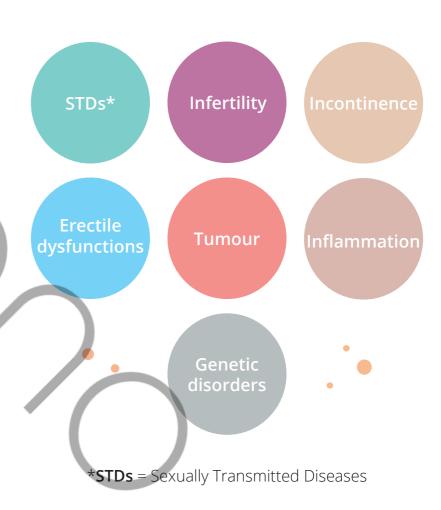


Reproductive system serves, as its name would suggest, for reproduction. The magic of fertilization, which is a fusion of male and female reproductive cells (the sperm and the egg), happens in a fallopian tube. The fertilized egg then finds its nesting place in the uterus, where it grows and develops for the next 9 months.

This project was made thanks to



What diseases can be down there?



Sexually transmitted diseases



Most common STDs

- HPV*
- 2 Chlamydia
- 3 Gonorrhea
- 4 Syphilis
- 5 HIV**
- 6 Hepatitis
 - B and C

How are STDs transmitted?

Sexual intercourse (vaginal, oral and anal)

Sperm and vaginal discharge

Mother-to-child transmission (during pregnancy, giving birth or in breast milk)

Blood (infected needle)

Saliva

*HPV = Human Papilloma Virus

**HIV is a virus causing AIDS (Acquired Immune Deficiency Syndrome), which is a disease. AIDS is a late stage of HIV infection, however, if someone is HIV positive, it doesn't have to mean he/she has AIDS yet.

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How do STDs manifest themselves?

Infertility

Itching

Abnormal vaginal discharge or odor

Pain or bleeding during sex

Blood in urine

Skin changes

No symptoms!*

*Don't forget to get tested regularly!

Sexually transmitted diseases

How to prevent STDs?

Where to get tested, if...



Use a condom.



Get regularly tested with your partner.



Get vaccinated against HPV infection.



Maintain appropriate intimate hygiene (use intimate soap, wear breathable underwear).



Get tested, but wait for at least 3 months (that's how long it takes HIV to be detectable in your body).

...you have a long term relationship and you want to have sex without a condom?

Ask your gynecologist or dermatovenerologist to test you for STDs.

...you experience any of the symptoms?

Don't be shy or ashamed, don't look for advice on the internet and go to your dermatovenerologist or your GP.



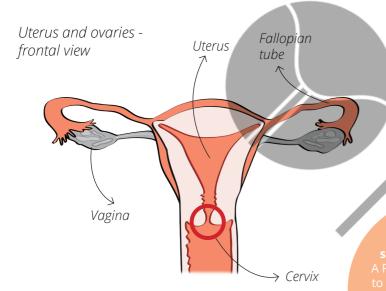


✓ Namiř foťák chytrého telefonu

How much does it cost?

If you had unprotected sex or if you experience any of the symptoms, the test is **free**. If you want to get tested "just in case", it costs about 500 CZK.

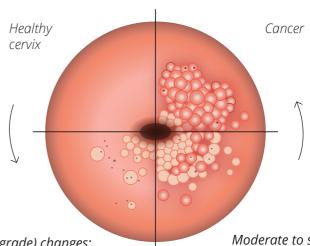
Cervix and HPV



What is cancer?

ening (Pap tes

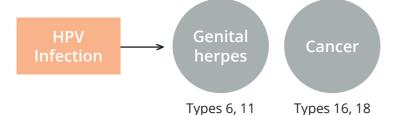
Cervical changes



Mild (low - grade) changes: in this case, the cervical smear (or Pap smear) is repeated after 6 months.

Moderate to severe (high grade) changes: in this case, conization of the cervix is needed in order to prevent cancer (conization is a mild surgery during which the doctor gets a small sample of the tissue).

How can a cervix get sick?



Cervical cancer is predominantly caused by human papillomavirus (HPV 16 or 18). This virus transforms healthy cells into cancerous ones and can also be responsible for genital herpes type 6 or 11.

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How does cervical cancer manifest itself?

Bloody discharge

Bleeding after sex

Lower abdominal pain

No symptoms!

Cervix and HPV

How to prevent cervical cancer?



Don't underestimate your genital problems, go to your gynecologist once a year.



Get vaccinated (your gynecologist can recommend you a suitable vaccine both for you and your partner).



Use a condom - it lowers the risks of HPV transmission.

HPV Vaccination

Both men* and women can get the HPV vaccine in order to protect themselves and their partners - the sooner the better (to get it around the age of 12 to 14 is appropriate). It's only for the best if you get the vaccine before you start living your sex life to its fullest. Just go and talk to your doctor, he / she will recommend you the most suitable vaccine for you (Cervarix, Gardasil, Gardasil 9 or others).

*HPV can cause oral or anal cancer as well, that's why it's important to vaccinate boys / men as well.

Every vaccine is used for something different:

Cervarix

protects from HPV type 16 and 18

Gardasil

(formerly known as Sildegard) – protects from HPV types 6, 11, 16, 18

Gardasil 9

protects from previous types + 5 more types







Male birth control



Birth control (or contraception) is used to prevent against unwanted pregnancy.

Male birth control

Condom Vasectomy

Sexual abstinence

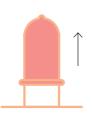
Withdrawal NO!



Step 1 Step 2



Step 6



Step 3

Step 7



Step 4

Step 8

How to choose the right birth control method?

- Discuss it with your gynecologist
- Discuss it with your partner



Use water-based lubricant with condoms, oil-based lubricants can damage them.

What to do if birth control fails?



Don't panic



Don't be shy



Don't look for advice on the internet



Go to your doctor

- 1. Discuss the situation with your partner.
- 2. Call your gynecologist.

 He / she can recommend you the most suitable contraceptive method for you.

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Step 5



Female birth control







Intrauterine device (non-hormonal IUD)



Spermicides*



Female condom



Natural family planning**

0 X X X



Diaphragm



Sexual abstinence



Birth control pills



Skin patch

Hormonal



Intrauterine device (Mirena, Jaydess...)



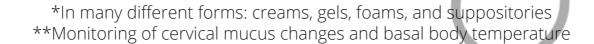
Injectable birth control



Hormonal ring



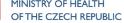
Birth control implant



Sterilization









the last 50 years,

he male limit for "being still fertile"

decreased by half, to

15 millions sperm per

lliliter of semen.



Infertility is a state, during which a woman cannot get pregnant for a year, while having sexual intercourse twice a week. In 40 % of the cases, the problem is on the male side, in 40 % on the female side and in 20 % of the cases, there is a problem with both of them.

of children born in Czech Republic are conceived via assisted reproductive technology (ART).

of the cases of infertility are caused by STDs.

of couples experience fertility problems.

Causes of infertility in male



- STDs they can cause obstructions in vasa deferentia
- Age after 40, fertility decreases
- Sperm quality small quantity and slow movement speed of sperm can lower the chances of conceiving
- Genetic disorders undescended testicles or congenital absence of the vas deferens, for example.

How to prevent infertility?

Don't overheat testicles (don't wear tight pants, don't put your laptop on your lap)

Conceive at a young age

Don't smoke

Don't drink alcohol

Have a healthy diet (avoid underweight or overweight) Go to your regular

Causes of infertility in female

- STDs they can cause obstructions in fallopian tubes
- Age after 35, fertility decreases
- Endometriosis a condition in which cells similar to those in the uterus grow outside of it
- Genetic disorders obstructions in fallopian tubes or in the uterus, for example.

check-ups







Incontinence



Incontinence is any accidental or involuntary loss of urine from the urinary bladder. It affects up to 50 % of women, however only 10 % of them are seeking help. Men experience similar problems as well. Don't be shy and ask your urologist or gynecologist for help in time!

What can cause incontinence?



Childbirth Can damage pelvic floor

muscles.



Surgery Can damage nerves or pelvic floor muscles.



Obesity Puts pressure on pelvic floor muscles.



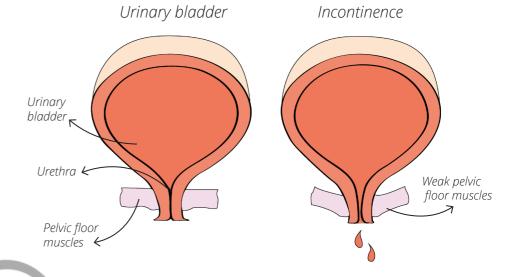
Age The flexibility of pelvic floor muscles naturally decreases with age.

How to prevent incontinence?

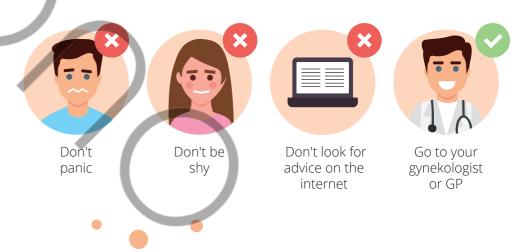
Go to your GP, urologist or gynecologist in time

Strengthen your pelvic floor muscles with exercise

Have a healthy lifestyle



What to do if you experience incontinence?



Erectile dysfunction



Erectile dysfunction is an inability to get or keep an erection for time needed to fully enjoy sex. More than 50 % of men over the age of 50 experience problems with erection, however it can affect young men as well. Don't hesitate, don't be shy and go to your urologist in time!

What causes erectile dysfunctions?







Alcohol



Diabetes



Age



Obesity



Surgery



Injury



Mental state

How to prevent erectile dysfunction?

Go to your regular check-ups

Go to your GP or urologist if you experience any problems

Have a healthy lifestyle

What are the stages of erectile dysfunction?



1. Cucumber optimal erection



2. Banana almost optimal erection



3. Peeled banana mild dysfunction



4. Tofu severe dysfunction

What to do if you experience erectile dysfunctions?



Don't panic



Don't be shy



Don't look for advice on the internet



Go to your doctor (urologist or GP)



Discuss it with your partner.

