OCs and VTE: a practical answer to an old question

In a recent commentary in this journal, Jürgen Dinger1 argued that “the risk of VTE [venous thromboembolism] attributable to COCs [combined oral contraceptives] is a class effect, primarily dependent on the dose of estrogen” and that the type of progestogen used in the COC probably does not influence this risk. In an editorial in the British Medical Journal that accompanied the publication of the two largest studies to date on this topic, Nick Dunn2 concluded: “All of the more recent progestogens, possibly except norgestimate, might seem to be at a disadvantage with regard to VTE”.

As VTE is a very rare event, it is unreasonable to expect the answer to the progestogens and VTE question from a randomised controlled trial. We may thus never be able to exclude residual confounding as a possible explanation for the higher VTE rates found with newer progestogens.

Luckily in clinical practice this does not matter much. For COCs, as for any treatment, health professionals should first consider the safest and most effective treatment, and in the absence of known differences between treatments we should then consider costs.

Most patients requesting a COC request it solely for contraception. Most of these patients will be pleased with a COC containing a second-generation progestogen, usually levonorgestrel (LNG). Dr Dinger does not question that COCs containing LNG are at least as safe and effective as those containing one of the newer progestogens.

The basket of care offered by sexual health services is constantly changing. More than was the case in the past, we promote subdermal and intratuterine methods and offer sexually transmitted infection (STI) and HIV screening and management. To afford to do this we have to keep costs as low as possible. Where budgets are finite and probably shrinking, the cost of prescribing COCs containing a newer progestogen instead of LNG can be measured in fewer implants or intratuterine methods inserted and fewer chlamydia or HIV tests undertaken. This is as good a reason as any to adhere to Faculty Guidance on First Prescription of Combined Oral Contraception, which states: “A monophasic COC containing 30 µg ethinyl estradiol with norethisterone or levonorgestrel is a suitable first pill (Grade C)3”.

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References

Drosopirenone and VTE

Following publication in the October 2009 issue of the commentary article regarding the risk of venous thromboembolism (VTE) with combined oral contraceptives (COCs) and subsequent criticisms,1,2 we would like to share some information regarding prescribing in Zagreb, Croatia of a recently introduced COC, containing 3 mg drosopirenone and 30 µg ethinyl estradiol (DRSP/EE) (Yasmin®)

We collected data in the city of Zagreb during the period 2004–2008, employing various data sources as follows: data on inpatients from Zagreb; data on the causes of mortality; data on side effects from the Agency for Drugs and Medicinal Products; and data on drug use from Zagreb pharmacies. The total female population under surveillance was approximately 194,000.

In Zagreb, use of COCs in general increased by 31% between 2004 and 2008. This rising trend was especially pronounced after 2005, when the combination DRSP/EE was introduced. In 2005, DRSP/EE accounted for 15.4% of the overall utilisation of COCs, which increased to 57.7% in 2008, yielding a 4.4-fold increase. Other COCs classified as fixed combinations of progestogens and estrogens showed a decrease in this period. In common with other COCs, in Zagreb DRSP/EE is issued on private prescription by pharmacies. COCs are usually prescribed by gynecologists, but may also be prescribed by other specialists.

The number of reported side effects of all drugs of any kind increased by 69.2% (i.e. from 953 in 2005 to 1680 in 2008). Annual trends in the rate of hospitalisation for VTE, which contained a declining trend, decline, suggest that there is no correlation between these two parameters.

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Reference

Filshie clip migration and retention

We wish to advise journal readers about an unusual case of Filshie clip migration and retention inside the uterine cavity that to our knowledge has never been reported before.

A 68-year-old woman, with three previous vaginal births, presented with postmenopausal bleeding for 2 weeks. She underwent a laparoscopic Filshie clip sterilisation 25 years ago and had been menopausal for 16 years. An ultrasound scan suggested an endometrial polyp that was confirmed on hysteroscopy. A closed Filshie clip was seen within the uterine cavity and attached to the polyp by flimsy adhesions. The clip was removed along its longitudinal axis with forceps after dilatation of the cervix. The postoperative haematometra was not evident except for a small dimple at its expected site. Histology confirmed a benign endometrial polyp.

The clip was lying relatively freely inside the uterine cavity without being expelled. The likely sequence of events could have been a low-grade foreign body inflammatory reaction that resulted in incorporation and subsequent burrowing of the clip through the uterine wall into its cavity. Burrowing and migration through the Fallopian tube is also a possibility and could explain the closure of the right ostium by post-inflammatory adhesions. Laparoscopic sterilisation with Filshie clip remains a popular method of permanent contraception since its introduction by Marcus Filshie in 1951. It is a safe and effective method, with a failure rate of 1 in 200.1 The 12.7 mm long and 4 mm wide titanium clip is lined with silicone rubber and is closed round the Fallopian tube by means of an applicator leading to avascular tubal necrosis. The tube eventually divides and the stumps heal leaving two occluded ends.2 The clip usually remains attached to the site of tubal separation and becomes detached and may be delayed in peri-uterine tissue. If the tube is delayed in peri-uterine tissue, the clip may become detached and migrate through tissue planes. This is estimated to occur in 0.6 per 1000 cases.3 Dislodged clips are most commonly found within the peritoneum, typically in the Pouch of Douglas or the paracolic grooves. Migration to the urinary bladder, vagina, rectum and into the perineum leading to an ischiorectal abscess has