

Best practice in abortion care

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Contents

Introduction to RCOG Best Practice Papers	ii
Background	1
Information for individuals requesting an abortion	1
Information for health workers assessing individuals prior to abortion	3
Determining pregnancy duration	4
Contraindications and extra considerations	5
STI screening	5
Prevention of post-abortion infection	6
Blood tests	6
Contraception	6
Telemedicine	7
Information for health workers providing abortions	7
Medical abortion	7
Surgical abortion	8
Information for health workers providing care after abortions	9
Information to provide after an abortion	9
Contraception	10
Anti-D	10
Follow-up	10
Management of incomplete abortion	10
Assessment	10
Management	11
Information to provide after an abortion	12
Contraception	12
Anti-D	12
Service delivery	12
Access to services	12
Information provision	13
Initial assessment	13
Arrangements for the procedure	13
Evidence sources	14
Additional literature reviewed	14
Appendix: Post-abortion contraception	15

Introduction to RCOG Best Practice Papers

The Royal College of Obstetricians and Gynaecologists (RCOG) Best Practice Papers are peer-reviewed, easy-to-use, adaptable documents that set out the essential elements for evidence-based clinical practice.

The best practices described are drawn from current evidence-based guidance produced by organisations such as the World Health Organization (WHO), the RCOG and the National Institute for Health and Care Excellence (NICE).

To be readable and useful to people providing healthcare on a daily basis, the papers have been deliberately kept short and succinct. Therefore, the primary evidence for recommendations and the strength of that evidence have been omitted but can be found in the original source documents. Very recently published evidence has been assessed to determine whether any recommendations from current guidelines should be amended.

The Best Practice Papers may also be used as a tool to assist policy makers in improving services.

While the Best Practice Papers may be used for reference in any country, local legal, regulatory, policy and service-delivery contexts may require adaptation of some recommendations; however, it is important to ensure that evidence-based practice is maintained.

For support on adapting the document while still maintaining good practice, please contact cfwgh@rcog.org.uk.

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This paper was updated as part of the RCOG's Making Abortion Safe programme – a three-year programme working to increase healthcare providers' capacity to address the barriers to safe abortion care and/or post-abortion care, globally. For more information, visit www.rcog.org.uk/en/global-network/centre-womens-global-health/our-work/making-abortion-safe.

Language note

Globally, most abortions are provided to women; however, trans men and non-binary people also experience pregnancy and abortion. Therefore, this paper refers to 'women' and 'pregnant people' to reflect a range of identities.

RCOG guidelines disclaimer

The RCOG produces guidelines as an educational aid to good clinical practice. They present recognised methods and techniques of clinical practice, based on published evidence, for consideration by obstetricians/gynaecologists and other relevant health professionals.

The ultimate judgement regarding a particular clinical procedure or treatment plan must be made by the doctor or other attendant in the light of clinical data presented by the patient and the diagnostic and treatment options available. This means that RCOG guidelines are unlike protocols or guidelines issued by employers, as they are not intended to be prescriptive directions defining a single course of management.

Departure from the local prescriptive protocols or guidelines should be fully documented in the patient's case notes at the time the relevant decision is taken.

Background

An estimated 25 million unsafe abortions occur every year, making it one of the leading causes of maternal mortality and morbidity worldwide. Abortion-related deaths and morbidity are largely preventable by providing safe abortion care (performed in line with clinical best practice) and timely post-abortion care, as well as by access to contraception and comprehensive sexuality education (CSE). Denying, delaying or restricting access to safe abortion care may lead to violations of the right to life, the right to health and the right to privacy, and can in some cases amount to cruel, inhumane or degrading treatment.

Abortion need not be unsafe. Morbidity and mortality rates following abortion that is provided using best practice are lower than those that would be faced in an ongoing pregnancy and in childbirth. Surgical abortions provided according to evidence-based guidance are generally straightforward procedures and can be provided by a range of clinician groups in a variety of settings. In addition, with appropriate support, individuals can safely manage medical abortions at under 12 weeks of pregnancy themselves at home. As with many other medical procedures, adherence to best practice standards will ensure that the most effective and the safest services are delivered. This Best Practice Paper is designed to be used by health workers delivering abortion and post-abortion care.

The two methods of abortion are:

- **medical abortion:** the use of medications to end a pregnancy; the most commonly used medications are misoprostol alone or misoprostol in combination with mifepristone.
- **surgical abortion:** the use of transcervical procedures to end a pregnancy, including manual vacuum aspiration (MVA), electric vacuum aspiration (EVA) and dilatation and evacuation (D&E).

All aspects of abortion care should be delivered in a respectful and sensitive manner that is person-centred and recognises women and pregnant people as the decision makers.

Information for individuals requesting an abortion

Women and pregnant people should be informed about their options so that they can make an informed choice about their preferred course of action. Their choice should be respected without any unnecessary delay, as the earlier in pregnancy an abortion is undertaken the safer it is likely to be.

If performed in line with best practice, an abortion is safer than continuing a pregnancy and childbirth.

Whenever possible, offer individuals a choice of abortion method. Their choice will depend on their individual circumstances and how they feel about the different options.

The following information should be provided to those requesting an abortion, in a clear, understandable, non-judgemental and respectful way:

- Abortion is a safe procedure for which major complications are rare at all pregnancy durations.
- The choice of abortion methods available.
- What will happen during and after the abortion (see Table 1).
- What pain management options are available.
- Side effects, risks and complications of abortion methods (see Table 2).

- How to be sure the pregnancy has ended for those having a medical abortion at home.
- How to identify the need to seek urgent medical attention during or after the abortion.
- The range of potential emotions experienced after an abortion.
- Other available services, such as sexually transmitted infection (STI) screening, counselling for those who need it and support for those experiencing, for example, sexual coercion or domestic violence and abuse.
- What contraception options are available and how they can be accessed.

Those who are unsure about whether to continue the pregnancy or have an abortion should be offered counselling/decision-making support.

Table 1 What abortion methods entail; adapted from the WHO (2014) *Clinical Practice Handbook for Safe Abortion* and the NICE (2019) patient decision aids published with the *Abortion Care* guideline

Medical abortion	Surgical abortion
<ul style="list-style-type: none"> ● Avoids surgery. ● Mimics miscarriage. ● May take place at home (depending on stage of pregnancy). ● Takes time (hours to days) to complete and the timing may not be predictable. ● The medications can cause nausea, vomiting, diarrhoea, chills and fever (1 in 10). ● Will experience abdominal cramping and bleeding while passing the pregnancy (worse than during a period). ● Abdominal cramping can last, on and off, for a week and bleeding for two to three weeks. ● May see the pregnancy as it passes. ● Serious complications are uncommon (see Table 2). ● All contraceptive methods can be started at the time of the medical abortion, except intrauterine devices (IUDs), which can be inserted immediately after the pregnancy is expelled. 	<ul style="list-style-type: none"> ● Takes place in a healthcare facility. ● Will experience some discomfort during procedures conducted with sedation and/or local anaesthetic. ● Will experience no discomfort during procedures conducted under general anaesthetic. ● The medications used to prepare the cervix cause cramps and bleeding and can cause nausea, vomiting, diarrhoea, chills and fever (1 in 10). ● Will experience some pain and bleeding for one to two weeks afterwards. ● Will not usually see the pregnancy, unless wishes to do so. ● Requires a pelvic examination and insertion of surgical instruments into the uterus. ● Serious complications are uncommon (see Table 2). ● All contraceptive methods can be started at the time of the procedure, including the IUD.

Table 2 Complications and risks of abortion; adapted from the NICE (2019) *Abortion Care* guideline and the RCOG (2011) *Care of Women Requesting Induced Abortion* guideline

Complication/risk	Medical abortion	Surgical abortion
Continuing pregnancy	1–2 in 100	1 in 1000 Higher in pregnancies <7 weeks
Need for further intervention to complete the procedure	<14 weeks: 70 in 1000 >14 weeks: 13 in 100	<14 weeks: 35 in 1000 >14 weeks: 3 in 100
Infection*	Less than 1 in 100	Less than 1 in 100
Severe bleeding requiring transfusion	<20 weeks: less than 1 in 1000 >20 weeks: 4 in 1000	<20 weeks: less than 1 in 1000 >20 weeks: 4 in 1000
Cervical injury from dilation and manipulation**	–	1 in 100
Uterine perforation	–	1–4 in 1000
Uterine rupture	Less than 1 in 1000 for second-trimester medical abortions***	–

* Upper genital tract infection of varying degrees of severity is unlikely but may occur after abortion and is usually associated with pre-existing infection. Infection after surgical abortion is reduced with use of prophylactic antibiotics.

** Cervical injury is less likely if cervical preparation is undertaken in line with best practice.

*** The presence of a uterine scar (e.g. following a previous caesarean) is a risk factor.

Further treatment (e.g. blood transfusion, laparoscopy, laparotomy or hysterectomy) may be required, should any serious complications occur.

There are several myths about the consequences of abortion. Individuals who express concerns can be reassured that there are no proven associations between having an abortion and subsequent ectopic pregnancy, placenta praevia, infertility, breast cancer or mental health problems.

It is best practice to invite a discussion about contraception at the initial consultation. If a contraceptive method is chosen, that method should be provided, where possible, at the time of the abortion.

Young people

Adolescents deserve the same amount of respect as everyone else accessing abortion care. It's important to remember how vulnerable a young person might feel when requesting an abortion, especially if it's their first time seeking healthcare. If the law requires an adult to consent to their procedure, this should be clearly explained to the young person at the start of the consultation. While all adolescents should be encouraged to involve a trusted adult in their decision, if possible, do **not** insist on parents' authorisation unless it is a legal requirement.

Information for health workers assessing individuals prior to abortion

Communicate information in a clear, understandable way. Providers should not impose personal values or beliefs on clients but focus on their needs and show empathy and respect for their reproductive decisions.

Unless contraindicated, women and pregnant people should be offered a choice of abortion method.

Clinical history taking should identify any health conditions that might affect eligibility for a particular method of abortion and any extra considerations that might affect the location of care and/or pre-treatment planning, including individuals with serious medical conditions who need to be referred for specialist care.

Health workers should check that the person seeking an abortion is doing so voluntarily and is not being coerced into ending the pregnancy. They should also ask about sexual and domestic violence and abuse (physical and emotional) and be able to refer the person to appropriate support services. If the assessment is being conducted by telephone, video call or online, the provider should be confident that the person is able to speak privately without risk of being overheard.

Health workers should be aware of the anxiety that clients may have about perceived negative and judgemental attitudes from healthcare providers.

Health workers can help relieve anxiety, create a safe and respectful environment, and counteract abortion-related stigma by:

- using welcoming words when they first meet the patient (making eye contact and smiling in face-to face meetings)
- introducing themselves, explaining what the consultation will entail
- structuring the consultation so that there is time to build up a rapport before exploring feelings about the pregnancy
- giving clear, concise and accurate information and encouraging questions.
- trying not to make assumptions and by using value-neutral, unbiased language
- conveying how common abortion is.

It is important that abortion eligibility by pregnancy duration is determined, that any contraindications to methods are identified and that post-abortion contraception is offered.

Determining pregnancy duration

The duration of the pregnancy will influence the method of abortion and whether the abortion can take place at home or should take place in a clinical facility. Pregnancy duration can be assessed from the first day of the last menstrual period (LMP). Most people can determine the duration of their pregnancy with reasonable accuracy by LMP alone.

Routine pre-abortion ultrasound scanning is unnecessary but, if available, should be used if there is clinically relevant uncertainty about the pregnancy duration or if there is a suspected ectopic pregnancy.

In circumstances where the pregnancy duration cannot be assessed by reliable LMP and where ultrasound scanning is not available, an abdominal examination can help determine pregnancy duration when it is over 12 weeks. A bimanual examination can be performed if the practitioner is still not sure of pregnancy duration after an abdominal examination and the information gained would change clinical management.

Contraindications and extra considerations

Medical abortion

There are few **contraindications** to medical abortion:

- known or suspected ectopic pregnancy
- previous allergic reaction to mifepristone or misoprostol
- severe uncontrolled asthma*
- chronic adrenal failure*
- inherited porphyria.*

* Mifepristone should not be used as there is a theoretical risk of exacerbation of the underlying condition, but use of misoprostol alone could be considered.

Extra consideration and additional care planning might be necessary for those:

- on **long-term steroid therapy** – theoretically, since mifepristone is a glucocorticoid receptor antagonist, it might inhibit the action of the steroid therapy and exacerbate the underlying condition; seek specialist input on whether dose adjustments to a corticosteroid regimen are required
- on **anticoagulant medication** – anticoagulants may need to be stopped before abortion medications are administered and then restarted after the abortion
- with a **bleeding disorder**, who may need care in a clinical setting rather than at home
- with **symptomatic anaemia**, where the haemoglobin concentration should be measured and who may need additional care in a hospital setting.
- with an **IUD in place** – the IUD should ideally be removed in advance of treatment; if the IUD cannot be retrieved, it is important to confirm that it is expelled during the procedure, by using imaging such as an abdominal X-ray after the abortion.

Surgical abortion

Surgical methods of abortion are contraindicated if the pregnancy cannot be removed through the cervix, for example due to an obstructing tumour.

In the very rare case that a medical abortion is also not suitable in these circumstances, hysterotomy or gravid hysterectomy may be undertaken.

Medical (or other) conditions and considerations can affect the choice of anaesthetic, indicate a need for the abortion to be undertaken in hospital, or require additional or specialised equipment. These include bleeding disorders and abnormal placentation, use of anticoagulant medication, and severe cardiopulmonary disease. A very high body mass index (BMI), distortion of the uterine cavity by fibroids or another anomaly, previous cervical surgery or type 3 female genital mutilation (FGM) can also make access to the cervix or pregnancy challenging. Procedure planning can include variations in patient positioning, use of longer instruments for evacuation, ultrasound guidance, and cervical preparation.

STI screening

It is best practice to undertake an STI risk assessment for everyone and conduct screening if appropriate, e.g. for chlamydia and gonorrhoea, which might be implicated in post-abortion infection, and for blood-borne viruses such as HIV and syphilis if such testing is available. This should be done without delaying the abortion.

Administer treatment doses of antibiotics to those with signs or symptoms of an STI. Partners of individuals with an STI also require treatment; ideally, a system for partner notification and follow-up or referral would be in place.

Prevention of post-abortion infection

Prophylactic antibiotics are not required for medical abortion but should be used for surgical abortion as they have been shown to reduce the risk of infection following the abortion. However, surgical abortion should not be delayed if antibiotics are not available.

The optimal regimen is not known but nitroimidazoles (e.g. metronidazole), tetracyclines (e.g. doxycycline) and penicillins have been shown to be effective.

The following regimen can be considered for surgical (or incomplete) abortion antibiotic prophylaxis:

- oral doxycycline 100mg twice a day for 3 to 7 days, starting within 2 hours of the procedure (there is evidence that a 3-day course is as effective as a 7-day course).

Blood tests

Pre-abortion assessment does not require routine blood tests. A determination of Rhesus blood status may be considered if the duration of pregnancy is over 12 weeks and anti-D is available. Measurement of haemoglobin concentration or other blood tests is not required unless there are good clinical indications for doing so, such as for those with symptomatic anaemia.

Contraception

Discussions about contraception should be sensitively initiated. Not all people will want to discuss contraception at the time of their abortion. Those who do should be offered information about all their contraceptive options, without any pressure to choose a particular method.

Advice can be given on the greater effectiveness and duration of long-acting reversible contraception (LARC) methods (implants and IUDs) and of their safety, but no pressure should be put on clients to accept these methods.

All contraceptive methods can be started at the time of a surgical abortion.

All contraceptive methods except for IUDs can be started at the time mifepristone and/or misoprostol is taken for medical abortion. An IUD can be inserted following expulsion of the pregnancy after a medical abortion.

Additional contraceptive precautions are not required if contraception is initiated immediately or within 5 days of an abortion.

If sterilisation is requested, this should ideally only be performed after some time has elapsed after abortion. Individuals who request that tubal occlusion be performed at the time of an abortion should be advised of the possible increased failure rate and risk of regret.

If a client's chosen method is not available, they should be provided with an interim, bridging method that they can start immediately and they should be referred to a service where the preferred method can be provided.

Telemedicine

Telemedicine (telephone, video call or online) can be used for consultations for any kind of abortion. Consultation by telemedicine also allows people to have a medical abortion (depending on stage of pregnancy) in their own home with remote support from the abortion provider. They do not need to see a healthcare provider in person or visit an abortion clinic, unless there is a reason to do so (e.g. unsure of date of LMP, ectopic pregnancy risk, complex medical conditions) or they prefer an in-person visit. This model of care for medical abortion at home has been shown to be safe, effective and acceptable to clients and it improves access to abortion care, enabling them to be treated earlier in their pregnancy. Where eligible, people should always be given the option to choose this model of care.

Information for health workers providing abortions

Medical abortion

Before 12 weeks of pregnancy

If mifepristone is available, it is best practice to use it in combination with misoprostol as it is more effective than misoprostol alone, shortens the time taken to complete the abortion (the induction-to-abortion interval), reduces side effects and decreases the rate of ongoing pregnancy. There is no lower limit of pregnancy duration at which medical abortion can be performed. Medical abortion in the first 12 weeks can be safely managed by most people at home, is as safe and effective as in-facility treatment, and can be more convenient and private for people.

The most effective regimen is mifepristone 200mg orally, followed 24–48 hours later by misoprostol 800 micrograms taken by the vaginal, buccal or sublingual route.

- If expulsion of the pregnancy has not occurred within 4 hours, a further 400 micrograms of misoprostol should be taken by the vaginal, buccal or sublingual route.
- If misoprostol is provided for use at home, additional doses should be provided in case they are required. This is especially important to consider for pregnancy durations of over 9 weeks as the effectiveness of a single dose of 800 micrograms of misoprostol starts to decline from then onwards.

If mifepristone is not available, use misoprostol 800 micrograms taken by the vaginal, buccal or sublingual route, followed by misoprostol 400 micrograms every 3 hours until the pregnancy has passed.

12–24 weeks of pregnancy

At 12 weeks or more, medical abortion is usually undertaken in a medical facility. However, there is no evidence indicating that out-of-facility medical abortion is unsafe.

If mifepristone is available, it should be used in combination with misoprostol as it shortens the induction-to-abortion interval, reduces side effects and decreases the rate of ongoing pregnancy.

The most effective regimen is mifepristone 200mg orally, followed 24–48 hours later by misoprostol 800 micrograms vaginally, buccally or sublingually, followed by misoprostol 400 micrograms vaginally, buccally or sublingually every 3 hours until abortion occurs.

Where mifepristone is not available, use misoprostol 800 micrograms followed by misoprostol 400 micrograms every 3 hours until abortion occurs.

The uterus is more sensitive to misoprostol as pregnancy advances, and therefore, in pregnancies over 24 weeks, lower doses of misoprostol should be used and increased intervals between misoprostol doses may be considered, especially for people with uterine scars.

Pain management for medical abortion

Analgesia (pain relief) should **always** be offered.

- Nonsteroidal anti-inflammatory drugs (NSAIDs) are recommended either prophylactically or at the time that cramping begins.
- Non-pharmacological pain management measures (e.g. hot water bottle/heat pad) may be helpful.
- Pain increases with pregnancy duration so narcotic analgesics may be required when other pain management measures are insufficient. Epidural anaesthesia can also be used, where available.

Surgical abortion

Before 14 weeks of pregnancy

Surgical abortion before 14 weeks can be performed using **vacuum aspiration** (electrical (EVA) or manual (MVA)).

Vacuum aspiration involves evacuation of the contents of the uterus through a plastic or metal cannula, attached to a vacuum source. EVA employs an electric vacuum pump. With MVA, the vacuum is created using a hand-held, hand-activated, plastic 60 ml aspirator (also called a syringe).

- MVA aspirators accommodate 4–12 mm cannulas.
- There is no lower limit of pregnancy duration for surgical abortion.
- It is best practice to inspect aspirated tissue at all durations of pregnancy, to confirm that the pregnancy has been fully removed.
- During vacuum aspiration, the uterus should be emptied using only a suction cannula (and forceps if required). The procedure should **not** be routinely completed by sharp curettage.

14–24 weeks of pregnancy

Surgical abortion between 14 and 24 weeks can be performed using dilatation and evacuation (D&E).

D&E requires preparation of the cervix using osmotic dilators or pharmacological agents, and evacuating the uterus using long forceps and vacuum aspiration with cannulas. It is the safest and most effective surgical technique after 14 weeks, as long as skilled, experienced providers are available.

Vacuum aspiration can be used up to 15–16 weeks of pregnancy with larger bore suction tubing and cannulas up to 16 mm in diameter.

Dilatation and sharp curettage (D&C) is an obsolete method of surgical abortion and should not be used.

Cervical preparation before surgical abortion

Cervical preparation should be used for all patients as it reduces the risk of incomplete abortion and makes dilation easier. It may cause some bleeding and pain before the procedure. If osmotic dilators are used, consider inserting them the day before the abortion, especially if pregnancy duration is 19 weeks or greater.

Before 12 weeks of pregnancy:

- mifepristone 200mg orally, 24–48 hours before the procedure, or
- misoprostol 400 micrograms sublingually, 1–2 hours before the procedure, or
- misoprostol 400 micrograms vaginally or buccally, 2–3 hours before the procedure.

12–18⁺⁶ weeks of pregnancy:

- combination of mifepristone and misoprostol* (using above regimens), or
- osmotic dilators plus either mifepristone or misoprostol, or with both mifepristone and misoprostol (using above regimens in all cases).

19–24 weeks of pregnancy:

- osmotic dilators plus either mifepristone or misoprostol, or with both mifepristone and misoprostol (using above regimens in all cases).

Pain management for surgical abortion

Analgesia should **always** be offered.

- In most cases, analgesics, such as NSAIDS, local anaesthesia and/or conscious sedation, supplemented by verbal reassurance, are sufficient.
- General anaesthesia is not recommended for routine use in pain management for abortion procedures, as it has been associated with higher rates of complications, and with longer hospital stays, than local anaesthesia.
- Local anaesthesia, such as lidocaine given as a paracervical block, can be used to alleviate discomfort from mechanical cervical dilatation and uterine evacuation.
- Where conscious sedation is available, it should be offered with a cervical block.
- If general anaesthesia is used, consider intravenous propofol and a short-acting opioid (such as fentanyl) rather than inhalational anaesthesia.
- NSAIDS can be used to alleviate abdominal cramping caused by misoprostol given for cervical preparation.

Information for health workers providing care after abortions

People can experience a range of emotions after an abortion. Health workers should provide information on how to access emotional support after an abortion in case this is needed.

Health workers should ensure that individuals know what to expect following the procedure and where to get help if necessary. They should also ensure that everyone who wants a method of contraception is able to leave with their method of choice or know how and where to access it.

Information to provide after an abortion

Clients should receive instructions about signs and symptoms that might indicate a complication that requires urgent medical help, including if they:

- soak through two or more maxi-size sanitary towels per hour, for 2 hours in a row
- develop an unusual, unpleasant-smelling vaginal discharge
- develop a fever or flu-like symptoms after 24 hours
- develop worsening pain, including that which might indicate an undiagnosed ectopic pregnancy (for example, if lower abdominal pain is one-sided, under the ribs, or goes up to the shoulders).

* Sometimes more than one dose of misoprostol may be required to get adequate dilation.

Health workers should also provide information on signs and symptoms that might indicate an ongoing pregnancy for which clients should seek medical attention, including if they:

- have no bleeding or only spotting or smearing of blood on sanitary towel or underwear in the 24 hours after misoprostol for medical abortion
- still feel pregnant 1 week after the abortion.

Contraception

See above.

Anti-D

If available, anti-D should be offered to non-sensitised RhD-negative individuals from 12 weeks of pregnancy and provided within 72 hours of the abortion.

Follow-up

There is no need for routine follow-up nor for a routine post-abortion ultrasound. Rather, individuals should be given clear information on when to seek medical help, as outlined above.

For people having medical abortion at home

Confirming whether the pregnancy has ended can usually be determined by individuals from witnessing the pregnancy as it passes or from the amount and duration of bleeding experienced and the disappearance of pregnancy symptoms. If available, the success of the abortion can be confirmed with either a low-sensitivity urine pregnancy test (detection limit 1000 IU hCG) from 2 weeks after treatment or with a high-sensitivity test (detection 50 IU hCG or less) from 4 weeks after treatment.

Management of incomplete abortion

Post-abortion care can reduce the morbidity and mortality associated with complications of either miscarriage or incomplete abortion, including abortion that was performed unsafely. Options for management for incomplete abortion include surgical and medical methods of uterine evacuation.

For those who wish to avoid another pregnancy, a contraception discussion should be offered and the chosen method provided.

Assessment

Incomplete abortion should be suspected when a person of reproductive age presents with vaginal bleeding or abdominal pain after one or more missed menstrual periods. Ectopic pregnancy should be suspected if the uterus is small, the cervix is closed or there is an adnexal mass or tenderness.

Unsafe abortion

An abortion is unsafe when it is carried out either by a person lacking the necessary skills or in an environment that does not conform to minimal medical standards, or both.

In many settings it is important to distinguish between safe and unsafe abortion because the latter is much more likely to be associated with infection. Indications that an abortion has been attempted by unsafe methods include the presence of:

- vaginal laceration

- cervical injury
- uterine enlargement equivalent to a pregnancy of more than 12 weeks' duration
- products of conception visible at the cervix or in the vagina
- in patients with uterine injury, any of fever, significant lower abdominal pain, tenderness or abdominal distension
- the presence of a foreign body in the vagina or cervix.

Infection

It is vital to identify those who may have an infection and to manage this urgently. Infection is much more likely, and much more likely to be severe, if the abortion has been performed unsafely. Clinical features suggestive of infection include:

- temperature above 37.5°C
- localised or general abdominal tenderness, guarding or rebound
- unusual, unpleasant odour or pus visible in the cervical os
- uterine tenderness.

Features suggestive of sepsis and indicating the need for urgent intervention include:

- hypotension
- tachycardia
- increased respiratory rate.

Management

If there is no suspicion of infection and uterine size is less than 14 weeks

- Medical management with misoprostol 400 micrograms sublingually, buccally or vaginally or 600 micrograms orally:
 - for a missed abortion (retained non-viable fetus), mifepristone 200mg orally should be administered 24–48 hours before the misoprostol.

OR

- Uterine evacuation with vacuum aspiration and antibiotic prophylaxis (see above).

If there is no suspicion of infection and uterine size is 14 weeks or larger

- Medical management with misoprostol:
 - 14–24 weeks: misoprostol 400 micrograms administered sublingually, buccally or vaginally every 3 hours
 - the uterus is more sensitive to misoprostol as pregnancy advances, and therefore, in pregnancies over 24 weeks, lower doses of misoprostol should be used and increased intervals between misoprostol doses may be considered, especially for people with uterine scars
 - in order to align protocols, services may use the same dosing and intervals as recommended in regimens for induced abortion
 - for a missed abortion (retained non-viable fetus), mifepristone 200mg orally should be administered 24–48 hours before misoprostol.

OR

- Surgical management with antibiotic prophylaxis (see above):
 - vacuum aspiration for removal of retained tissue when the fetus has been expelled; blunt forceps may also be needed to remove a retained placenta
 - if the fetus is retained, vacuum aspiration is suitable before 14 weeks of pregnancy; from 14 weeks and up to 16 weeks of pregnancy, forceps removal of larger fetal parts may also be required; from 16 weeks of pregnancy, a dilatation and evacuation (D&E) may be performed
 - if removal of the pregnancy requires the use of forceps, either in combination with vacuum aspiration or for a D&E, this should only be carried out by a skilled provider; if not available, medical management is recommended.

If infection is present, the uterus should be evacuated urgently

- Start broad-spectrum antibiotics immediately – intravenously if infection is severe.
- Transfer to a unit with the facilities for undertaking surgical evacuation if it cannot be done in the facility to which the individual presents.
- If the patient is in septic shock, they should be transferred immediately to a specialist unit for surgical uterine evacuation – broad-spectrum antibiotics, such as a combination of ampicillin 0.5–1g every 6 hours, metronidazole 500mg every 8 hour and gentamicin 120mg daily (with appropriate monitoring), should be administered intravenously prior to transfer if available.
- If the skills necessary for urgent surgical uterine evacuation are not available, misoprostol can be administered using the dose regimens above.

Information to provide after an abortion

See above.

Contraception

See above.

Anti-D

See above.

Service delivery

The provision of a safe and effective abortion care service depends on everyone involved in the service ensuring that everything can be done to achieve best practice for safe abortion care. It is not enough for doctors, nurses and midwives to perform effectively if the facilities and tools that they need are not reliably available and if the service is not organised in a way that ensures safe and effective abortion care. **Best practices for service delivery** are listed below.

Access to services

1. Abortion services should be available to the fullest extent that the law allows. Healthcare providers should know what the law *does* allow in their country and be clear about the circumstances for which abortion is legal.
2. If a person requesting abortion fulfils the legal criteria, there should be no further restriction of access on grounds such as age, marital status or the number of previous abortions.

3. Abortion is safer the sooner it is done. Services should be able to meet the local demand for abortion so that people can have their abortion as early as possible and as close to home as possible.
4. As the equipment and space required for a safe abortion service are similar to those needed for routine women's healthcare and contraception services, efforts should be made to provide safe abortion services in a wide range of health facilities and in an integrated manner.
5. All healthcare providers should be trained to provide safe abortion care in line with their skills and licences. This can help spread the workload and improve the skills of *all* providers of women's healthcare, thereby enhancing access to and increasing the safety of abortion care.
6. Integrating abortion services within mainstream maternity and women's health services minimises the stigma associated with abortion care for both patients and providers.
7. Where abortion services are provided but there is no provision for emergency or specialist care, there must be robust and timely pathways for referral.

Information provision

1. There should be local arrangements in place for providing information to women and pregnant people and to healthcare providers on routes of access to safe abortion care.
2. Services should ensure that written, objective, evidence-guided information is available in a way that is understandable to all people considering abortion. Information should be available in a variety of languages and formats.
3. Women and pregnant people should have access to objective information and, if required, counselling and decision-making support about their pregnancy options. However, there should be no requirement for compulsory counselling or mandatory time for reflection before an abortion.

Initial assessment

1. There should be a pathway to appropriate medical care for people with known significant medical conditions (e.g. heart disease) that require specialist abortion care in a hospital.
2. People presenting for abortion who are found to have a non-viable pregnancy also require contraception and sexual healthcare.
3. People requesting abortion but who subsequently decide to continue the pregnancy should be referred for antenatal care (together with all their relevant information).
4. Services should identify people who may be particularly vulnerable (e.g. some adolescents, those in controlling, abusive relationships, people addicted to drugs/alcohol, people with moderate/severe mental health problems) and refer/signpost them on to appropriate support services.

Arrangements for the procedure

1. To minimise delay, service arrangements should be such that an abortion can be provided as soon as possible, ideally on the same day as the assessment.
2. The setting for abortion services (consultation rooms, procedure rooms and recovery rooms) should respect the need for clients' privacy and dignity.

Evidence sources

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Appendix: Post-abortion contraception

Adapted from World Health Organization (2014) *Clinical Practice Handbook for Safe Abortion*

Method of post-abortion contraception	Medical eligibility criteria (MEC) category		
	First trimester	Second trimester	Immediate post-septic abortion
CHC	1	1	1
POP	1	1	1
Progestogen-only injectable	1	1	1
Progestogen-only implant	1	1	1
Cu-IUD	1	2	4
LNG-IUD	1	2	4
Condom	1	1	1
Spermicide	1	1	1
Diaphragm	1	1	1

CHC = combined hormonal contraception (pill, patch, ring, injectable).

POP = progestogen-only pill.

Progestogen-only injectable = depot medroxyprogesterone acetate or norethisterone enanthate.

Progestogen-only implant = levonorgestrel or etonogestrel.

Cu-IUD = copper-bearing IUD.

LNG-IUD = levonorgestrel-releasing IUD.

Condom = male latex condom, male polyurethane condom or female condom.

Diaphragm = diaphragm (with spermicide) or cervical cap.

MEC categories for contraceptive eligibility	
1	A condition for which there is no restriction for the use of the contraceptive method.
2	A condition where the advantages of using the method generally outweigh the theoretical or proven risks.
3	A condition where the theoretical or proven risks usually outweigh the advantages of using the method.
4	A condition which represents an unacceptable health risk if the contraceptive method is used.

Recommendations for contraceptive use among women at high risk of HIV infection

- Women at high risk of HIV infection are eligible to use all hormonal contraceptive methods without restriction (MEC category 1), including combined hormonal contraception, progestogen-only pills, and progestogen-only injectables and implants.
- Women at high risk of HIV infection are also eligible to use Cu-IUD and LNG-IUDs without restriction (MEC category 1).

Contraception for individuals on antiretroviral therapy for HIV

There are potential drug interactions between some antiretroviral drugs and hormonal contraception that may affect efficacy of some methods of hormonal contraception. Providers should advise clients on the risk so that they can make an informed choice of method.

Making Abortion Safe

RCOG's global initiative to advocate for women's health

