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Induction of Labour						
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Departments/Group this Document applies to:	Materni	ty				
Approval Group:	Croup		Date	of Approval:	May 2022	
Maternity Guideline Review Women's Health CIG	Group		Last Review:		May 2022	
			Review Date:		May 2025	
Unique Identifier: MIDW/	GL/11	Status: App	roved	Version No:	7	
Guideline to be followed by	y (target	staff): Midwive	es and	Obstetricians		
To be read in conjunction Antenatal Care pathway Care in labour and birth			ıments	S:		
Are there any eCARE implications? No CQC Fundamental standards: Regulation 9 – person centered care Regulation 10 – dignity and respect Regulation 11 – Need for consent Regulation 12 – Safe care and treatment Regulation 13 – Safeguarding service users from abuse and improper treatment Regulation 14 – Meeting nutritional and hydration needs Regulation 15 – Premises and equipment Regulation 16 – Receiving and acting on complaints Regulation 17 – Good governance Regulation 18 – Staffing Regulation 19 – Fit and proper						

Disclaimer -

Since every patient's history is different, and even the most exhaustive sources of information cannot cover every possible eventuality, you should be aware that all information is provided in this document on the basis that the healthcare professionals responsible for patient care will retain full and sole responsibility for decisions relating to patient care; the document is intended to supplement, not substitute for, the expertise and judgment of physicians, pharmacists or other healthcare professionals and should not be taken as an indication of suitability of a particular treatment for a particular individual.



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Guideline Statement

Induction of labour is a common obstetric intervention to initiate and establish labour. The aim of induction is to induce uterine contractions leading to progressive effacement and dilatation of the cervix and birth of the baby. Various methods can be used to initiate established labour including mechanical dilatation of the cervix, cervical ripening with prostaglandins, artificial rupture of membranes and use of synthetic oxytocin (syntocinon). Membrane sweeping can be offered prior to intervention and may reduce the need for induction.

Induction of labour is a major intervention in pregnancy. It may affect the options surrounding birth preferences and impact on a woman's experience of birth. It requires informed consent and full discussion of the risks and benefits of ending the pregnancy and how this may affect the birth. There is also an impact on work - load in any maternity department.

This guideline provides advice for health professionals on induction of labour and the recommended pathway and is based on NICE Induction of Labour guideline 2021.

In this guideline, we use the terms woman and women as well as maternity service user. We acknowledge however that some people who do not identify as women will use our services. We aim to give all those who access the maternity service, appropriate, inclusive and care sensitive to their preferred gender identity.

Definitions

Induction: The process of starting labour medically

Stimulation: The process of inducing contractions when rupture of membranes

(ROM) has occurred pre-labour

Augmentation: The correction of inefficient uterine action once labour has started

Objectives

- To discuss the process of induction of labour both as outpatient and inpatient
- To outline general standards for timing of inductions
- To outline plans when IOL is declined
- To discuss the use of balloon catheter in women with previous c/s.
- To ensure the development of an action plan when IOL fails

Executive Summary

- Induction of labour (IOL) is an intervention to initiate cervical ripening followed by uterine contractions and ultimately establish labour to lead to birth
- During antenatal visits with the midwife, information is offered about prolonged pregnancy and options for intervention discussed
- Any doctor offering induction of labour should discuss the reasons, benefits and risks of the intervention as well as the process itself
- Induction of labour is commenced with either Dinoprostone (Prostin pessary or Propess vaginal device) or mechanical method (Cook's Balloon (CCRB) or Foley's catheter) or artificial rupture of membranes if the Bishops Score >7.
- The option of an Outpatient induction of labour (for Audit) can be offered in some pregnancies with clear guidance on when to return to the maternity unit.



1.0 Roles and Responsibilities:

Obstetricians:

Provide information regarding process of induction of labour and when considered a necessary intervention

Explain the benefits and risks of the intervention, as well as the options for expectant management

Communicate with the midwife to arrange for a membrane sweep of the cervix when indicated

Communicate with the team booking the induction

Prescribe prostaglandins, insert / remove balloon catheter, review induction progress as clinically indicated and review management plan where induction of labour is unsuccessful

Midwives:

Provide information regarding process of induction of labour

Explain the benefits and risks of the intervention, as well as the options for expectant management in women with an uncomplicated pregnancy progressing beyond 41 weeks gestation Perform membrane sweep from 39 weeks or before if requested Initiate induction of labour by administering prescribed medications

2.0 Implementation and dissemination of document

Guideline to be published on Intranet.

All medical staff (ST3 or above) will undergo training for using mechanical methods of induction

Training for midwifery staff to insert Foley's catheter for mechanical induction.

Aim to have a bed in ADAU with appropriate equipment to facilitate balloon Outpatient induction

Company representative will come to train both doctors and midwives for Cook's Cervical Ripening Balloon (CCRB – licensed for use) to aim to start using these in preference to Foley's catheters.

3.0 Processes and procedures

3. 1 Enabling an informed choice about induction and membrane sweeps

- Induction should be brought up with the community midwife in the third trimester and rediscussed at the birth preferences appointment
- All maternity service users being offer an induction of labour should have a comprehensive discussion regarding reasons for why induction is being offered, the process of induction, benefits and risks of the procedure.
- Women should be encouraged to ask questions and should be supported in the decisions they make.
- The option of expectant management should be discussed and a plan made if this is the chosen pathway



- All information should be personalised and be in verbal and written format, supported with an information leaflet
- Membrane sweeps can be routinely offered from 39 weeks by the midwifery team, or earlier
 if the obstetric team discusses the benefits or risks. Ensure the placental position is away
 from the cervix prior to any membrane sweep. Explain to woman they may experience
 some discomfort and some vaginal bleeding after a sweep
- Outpatient induction can be offered to some maternity service users using mechanical methods (Foleys catheter or Cooks balloon) or Propess prostaglandins, via ADAU should they wish. Clear discussion regarding when to come back to the hospital needs to be supported with a written leaflet
- Pregnancies with complications or potential complications should be considered as high risk
 inductions and should take place in an in-patient setting; commencing on the maternity ward
 or in specific cases on the labour ward. A clear management plan must be documented in
 the maternity notes/eCare.
- A maternity service user can decide to delay, decline or stop induction at any point. Record the decision and discuss management plans moving forward
- Prior to any induction process the possibility of failure of induction should be discussed.

3.2 Suitability for Outpatient induction

Patients who could be offered Outpatient induction are listed below;

- Midwife-led care (low risk) woman for post dates induction ≥ 41+0
- Maternal request > 39+0
- Maternal age > 40years with normal fetal growth ≥ 39 40 weeks
- IVF pregnancy (with own oocytes) and normal fetal growth > 39 40 weeks
- Gestational diabetes diet controlled with normal growth > 40 weeks
- Large for gestational age no polyhydramnios, no GDM > 39 40 weeks

The option of outpatient induction may be discussed with all maternity service users and the reasons for offering either outpatient or inpatient induction explained. If the observations of mother and fetus are not reassuring or the woman is concerned about going home, there is always an option of admission for an in-patient induction.

Similarly, the clinician involved in the care should discuss outpatient induction suitability, however they may consider that, on an individual basis that the woman should on balance, have an inpatient induction.

Those opting for an Outpatient induction should fulfill the following:

- Age 18 or over and has birthing partner who can be with them during the 24 hours
- Woman has own transport available and is in easy reach of the hospital.
- Patient has a telephone and can communicate easily with clinical maternity staff.
- Understands the outpatient process and happy to go proceed
- Number of previous births less than or equal to four.
- No significant safeguarding concerns in the pregnancy
- Reassuring pre and post induction fetal heart rate monitoring.





Pregnancies likely to be offered in-patient induction

- Multiple gestation
- Malpresentation requiring controlled rupture of membranes
- Previous uterine surgery (including caesarean section, myomectomy and hysterotomy)
- Previous precipitate delivery (labour less than 2 hours confirmed by EDM record)
- Significant APH during pregnancy
- Medical co-morbidities eg hypertension or pre-existing diabetes, gestational diabetes on insulin
- BMI over 40 or less than 18 at booking

3.3 Booking induction of labour

When booking an induction of labour, use the electronic 'Communicate' function on eCare so an electronic document is visible in the notes. This allows the clinician to indicate whether this is for an in-patient or out-patient induction.

Prior to booking IOL confirm that the gestational age from an early pregnancy scan.

The maternity service users will be contacted to confirm the date of the induction, allowing the team to allocate dependent on workload, aiming for a maximum of 3 patients each day.

Ensure the maternity service user has received a Patient Information Leaflet regarding Induction of Labour particular for that person gender preferences.

If the woman does not require cervical ripening as her Bishops Score ≥7, the ANC/ADAU Team will inform Labour Ward so that they can be admitted directly without admission to Ward 9.

If the maternity service user is booked for an Outpatient induction – ADAU will be informed by the ANC Team.

3.4 Individual management plan when induction of labour is declined

- Any potential risks of not being induced should be discussed and documented.
- An individual management plan by the obstetric registrar/consultant should be made which may include review in ADAU for electronic fetal monitoring wellbeing, and/or additional growth scans with umbilical doppler
- For women who decline induction after 42 weeks, the plan should include
 - electronic fetal monitoring on alternate days in ADAU after 42 weeks gestation
 - o with twice weekly ultrasound scans for liquor volume and umbilical artery dopplers.
- The woman should be offered an appointment with a consultant obstetrician and if appropriate referral to a Birth Choices Clinic for discussion regarding her options.

It needs to be explained that this additional monitoring may not prevent adverse outcomes even if the monitoring is normal.



3.5 Induction of labour in specific circumstances

3.5.1 Prolonged uncomplicated pregnancy

- Women should be given every opportunity to go into labour spontaneously.
- During the third trimester, there should be discussion regarding the risks associated with pregnancies continuing beyond 41+0 weeks gestation (listed below) and the option of induction of labour.
 - -> Increased likelihood of Caesarean
 - -> Increased likelihood of admission to Neonatal Unit
 - -> Increased likelihood of stillbirth and neonatal death
- Women should be aware that these risks may be higher for some ethnic groups and socially deprived women, and so these women can have an earlier induction if required.
- Women can be offered membrane sweeps from 39+0 weeks
- Outpatient induction can be offered from 41+0 weeks depending on preference

3.5.2 Preterm pre-labour rupture of membranes <37 weeks

If a woman has preterm pre-labour rupture of membranes, induction of labour should not be carried out before 34 weeks unless there are additional obstetric indications (for example, infection or fetal compromise).

The option of induction can be discussed after 34 weeks and should be offered immediately in the presence of Group B Streptococcus found during this index pregnancy (See Group B Strept. guidelines).

Expectant management can be offered until 37+0 in the absence of GBS and other concerns with ADAU outpatient monitoring twice weekly. (See Preterm Pre-Labour Rupture of Membranes quidelines).

At 37+0 weeks, augmentation can be offered, with or without prostaglandin dependent on cervical findings. If the BS is <7, a single 3g prostin tablet can be offered or immediate augmentation with oxytocin.

3.5.3 Pre-labour rupture of membranes at term (at or over 37 weeks gestation)

- Women with pre-labour rupture of membranes at term (≥ 37+0 weeks) should be
 offered a choice of immediate induction of labour with oxytocin augmentation with or
 without vaginal PGE₂ if BS <7 or expectant management for 24 hours.
- If BS < 7, a single dose of prostin can be offered, with oxytocin commenced after, at least, 6 hours from administration
- Augmentation with oxytocin, if accepted, should commence within 36 hours of confirmed rupture of membranes.



- If GBS has been found during the pregnancy, offer immediate augmentation without prostin with appropriate intrapartum antibiotics (See GBS guidelines)
- If the woman chooses to wait for more than 24 hours, the potential of developing infection needs to be discussed with the woman and management plan including timing of monitoring should be documented

3.5.4 Previous caesarean section

- The decision to induce labour if a woman has had a previous caesarean section should be made by a consultant obstetrician after discussion, due to
 - -> Increased chance of needing Emergency Caesarean (1 in 4 chance)
 - -> Increased chance of uterine rupture (1 in 100 chance)
- A clear documented plan should be made regarding the use of oxytocin in the antenatal plan.
- Women who have had a previous LSCS may be offered induction of labour with mechanical cervical ripening
- The option of a planned elective repeat caesarean should be offered
- If the woman chooses expectant management, a plan should be documented regarding post term induction
- Labour is strongly discouraged if a woman has had a previous classical uterine caesarean section or significant previous uterine surgery due to significantly higher risk of rupture.

3.5.5 Multiple Pregnancy

 Please refer to induction of labour guidance within the Multiple Pregnancy and Birth Guideline.

3.5.6 Breech presentation

- Induction of labour is not routinely recommended if the baby is presenting in a breech position.
- If external cephalic version is unsuccessful, declined or contra-indicated and the woman declines a caesarean section and if delivery is indicated, a Consultant Obstetrician should discuss and clearly document the risks and benefits of induction or expectant management.

3.5.7 Fetal growth restriction

- If there is severe fetal growth restriction with confirmed fetal compromise, Caesarean birth should be offered.
- Suspected small gestational age fetus (if <3rd centile) consider whether induction should be on Labour ward instead of Ward 9.



3.5.8 Suspected fetal macrosomia

- For women with a baby measuring > 95th centile without diabetes, the options for birth are expectant management, offering induction of labour or birth by Caesarean.
- Induction of labour at term can reduce the chance of shoulder dystocia (overall risk 6.8% with expectant, 4% with IOL) but increase the chance of severe perinatal tearing 3rd and 4th degree (overall risk 0.6% with expectant, 2% with IOL). Refer to appendix 2.
- Explain there is no change between expectant or induction in terms of brachial plexus injury or perinatal death.

3.5.9 Intrauterine fetal death

Please refer to Care for Stillbirth, Termination of Pregnancy, and Neonatal Death after 24/40 Gestation guideline.

 Offer expectant, induction or Caesarean birth in those who have experienced fetal intrauterine death

3.5.10 Maternal diabetes

- Please refer to Maternal Diabetes guidelines
- Women with pre-existing diabetes who have a normally grown fetus should be offered birth through elective induction of labour, or by elective caesarean section if indicated, prior to 39+0 completed weeks.
- Women with gestational diabetes should be offered the opportunity for spontaneous birth however should have their baby by 40+6 weeks.
- Diabetes should not be considered a contraindication to attempting vaginal birth after a previous caesarean section.
- Women with diabetes who have an ultrasound-diagnosed macrosomic fetus should be informed of the risks and benefits of vaginal birth, induction of labour and caesarean section.

3.5.11 Advanced Maternal Age

- There is evidence that the rate of stillbirth for a woman > 40 years at 39 weeks, is equivalent to the risk of stillbirth of a young woman (<35years) at 41 weeks.
- Induction can be offered for woman aged 40 years and above, between 39-40 weeks in otherwise uncomplicated pregnancy
- Earlier delivery (before 39 weeks) may be offered for extreme advanced maternal age (> 45 years)



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3.6 Starting Induction of Labour

All women will require a clinical review enquiring about contractions, vaginal loss and fetal movements, routine observations, fetal monitoring, abdominal palpation and a cervical assessment prior to induction.

Vaginal examination requires verbal consent and the Bishops Score (see Appendix 1) should be recorded on eCare.

The obstetric team should be asked to prescribe prostaglandins before administration together with regularly used medications (anti-emetics, paracetamol, dihydrocodeine and pethidine).

ECare documentation prior to starting **ANY** induction:

- > Indication for Induction
- > Gestational age
- ➤ Maternal observations (temp, pulse, resp rate, BP, oxygen sats, MEOWS score)
- > Abdominal examination (fetal lie, presentation and engagement)
- > Bishops score
- > CTG classification before induction
- > Time administration of prostaglandin or insertion of balloon.
- > CTG post administration of prostaglandins/insertion of balloon for 30 60 mins

If the woman has no evidence of contractions or vaginal loss, electronic fetal monitoring using the Dawes – Redman criteria can confirm fetal wellbeing **prior** to starting any induction of labour. The Dawes – Redman criteria can NOT be used after the start of induction.

Any concerns with the CTG should be escalated to the Obstetric Registrar/ Consultant and consideration for expediting birth made. Further interventions should not start until this review and further discussion regarding management plan.

If the woman is experiencing uterine contractions, discuss induction plans with the Obstetric Team prior to administration of prostaglandins or consider a balloon induction.

3.6.1 Pain relief

Women should be informed of the different methods available to them in their antenatal birth preferences appointment.

At the beginning of the induction process, the options for analgesia should be explained. Women can use breathing techniques, mobilisation, warm water, simple analgesia, as well as pethidine.

During the induction process, an epidural should be offered prior to starting oxytocin.

3.6.2 Pharmacological and mechanical methods for inducing labour

Any woman with a Bishops score of ≥ 7 and intact membranes does not require further cervical ripening and should be offered artificial rupture of membranes (ARM) on Labour Ward as a first line intervention.



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If there is any delay to transfer to Labour Ward, offer a sweep and consider whether after appropriate monitoring, the woman could await admission to Labour Ward at home after discussion with the obstetric team.

Both mechanical (Balloon - either Foleys catheter or Cooks cervical Ripening balloon) and pharmacological (dinoprostone – Prostin or Propess) methods can be used to induce labour.

Pharmacological methods are NOT recommended for woman who have a previous uterine scar, either from previous Caesarean section or myomectomy.

The main benefit from mechanical methods is the reduced chance of tachysystole, causing fetal heart changes (hyperstimulation).

Tachysystole	=/>5 contractions in 10 minutes with normal CTG
Hypertonus	Painful contraction lasting ≥ □90 seconds: normal CTG
Hyperstimulation	Tachysystole or hypertonus with abnormal CTG

Hyperstimulation should be treated by removing the prostaglandin if possible (easier with Propess® than Prostin tablets) and consider giving Terbutaline 250mcg SC CTG should be continued and Labour ward informed of potential transfer. A second dose of terbutaline may be required after 15 to 30 minutes.

Hypertonus can occur with excessive use of oxytocin as well as due to placenta abruption. The woman should have an urgent obstetric review and management plan documented.

Primiparous women

Women suitable for prostaglandins can use Propess® (see Appendix 2) or Prostin 3mg tablets or have mechanical induction methods. A nulliparous woman can be offered Propess® as this has similar efficacy as prostin tablets within reduced vaginal examinations needed.

Multiparous woman

Can be offered Prostin tablets or mechanical induction methods

3.6.2.1. Propess® (Outpatient and Inpatient Use) please see Appendix 3

 One cycle of vaginal PGE2 controlled-release pessary 10mg vaginal device (Propess®): one dose over 24 hours. This aims to minimise the number of vaginal examinations.
 Success is dependent on correct placement of the Propess® tape horizontally behind the cervix in the posterior fornix.

- If Propess® has fallen out and not re-usable, consider administering one Prostin 3mg
 pessary after 6 hours from exposure to Propess®. Do not insert a new Propess® vaginal
 device as this will result in drug overdose.
- If the woman has spontaneously ruptured her membranes (clear liquor) and is NOT contracting regularly, the Propess® can remain until completion of the 24 hours period.

Reasons for removing Propess® (time and reason documented on eCare)

• Cervix is dilated ≥ 3cm and fully effaced with regular contractions





- Contractions are ≥ 5 contractions in 10 minutes (Tachysystole/Hyperstimulation).
- Painful strong contraction lasting ≥ 90 seconds (Hypertonus).
- Concern about post Propess® CTG
- Significant vaginal bleeding
- Maternal systemic adverse effects such as severe nausea and vomiting.
- After 24 hours

After 24 hours, the Propess® should be removed and the woman reviewed to check cervical change.

An ARM can be performed on Labour Ward and the woman allowed to mobilise - up to 2 hours (primiparous) or 4 hours for a multiparous woman as she wishes. If there are no contractions after ARM, oxytocin can be started after 30 minutes from removing the Propess® pessary.

If after 24 hours, this method is unsuccessful in achieving cervical ripening, 1 further 3mg prostintablet can be used or balloon inserted.

3.6.2.2 Prostin tablets regime

- One cycle of vaginal PGE2 3mgs tablets (Prostin): one dose, followed by a second dose after > 6 hours if labour is not established (maximum total dose - 6mg/24 hrs).
- Document Bishops score after at each examination
- A third prostin tablet can be administered 24 hours after the 1st tablet was given, after discussion and documentation by the Obstetric team.
- Should the Bishops score still be < 6, a balloon can be considered
- Oxytocin must NOT be started for 6 hours following administration of vaginal prostin.

3.6.2.3 Mechanical methods (see appendix 4 & 5)

- Mechanical methods of induction of labour can be used as an outpatient as this avoids the
 potential side effects of hyperstimulation and changes in the fetal heart rate.
- Mechanical methods are the primary methods of induction for any woman having had a
 previous Caesarean section or significant uterine surgery. They can also be considered for
 grandmultiparous woman (parity > 5) or growth restricted fetuses with Consultant oversight.
- The standard history, examination and investigations are documented on eCare as per 3.6
 Starting induction of Labour.
- Suitably training doctors or midwives can insert the cervical balloon. See Appendix 2
- Foleys catheter can be left in situ for up to 24 hours. Cooks cervical ripening balloon should be removed after 12 hours.
- Should a balloon be expelled, offer to perform a vaginal examination to discern whether ARM is achievable.

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- Post balloon removal, an ARM can be performed on Labour Ward.
- If there is a delay on Labour ward, and the woman was having an Outpatient induction, if the woman wishes, observations and CTG is normal, the patient can go home to await a call to return once space is available after discussion with the obstetric team, however fetal and maternal wellbeing should be confirmed with at least once a day monitoring.

3.7 Amniotomy as part of induction process (ARM)

ARM is offered to those who have an effaced cervix with a Bishops score ≥ 7 as the primary agent of induction or as part of the ongoing induction process. This forms part for the next step of an induction process after pharmacological or mechanical methods of induction.

Once on Labour Ward, an SBAR handover should be delivered and similar documentation to 3.6 – **Starting induction of Labour**..

- Perform an abdominal palpation to confirm presentation and engagement.
- Fetal heart rate should be recorded on CTG as per 3.6
- If the presenting part is high, the decision to perform ARM needs to be reviewed and consider whether controlled ARM required (discuss with the Consultant / Registrar).
- Perform a vaginal examination and rupture the membranes using an amnihook.
- Record cervical examination and liquor (clear, blood stained, meconium, no liquor)
- Record a CTG for 30 minutes post ARM

For a woman aiming for a vaginal birth after Caesarean, if there are signs of uterine activity post ARM, the CTG should continue

- The woman has the options of mobilization or oxytocin after 30 minutes in primiparous woman with minimal uterine activity.
- If the woman is mobilizing and labour is not established 2 hours in primiparous or 4 hours in a multiparous women after ARM, an oxytocin infusion can be offered.
- Oxytocin infusion follows the intrapartum oxytocin protocol (as per Care in Labour guideline).

3.8 Inpatient Induction

• In-patient induction of labour is indicated if women do not fulfil the criteria for out-patient induction or for women who decline outpatient induction.



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On the day of induction, the midwife allocated to antenatal ward should ensure that they have an updated list of those due for induction.

Aim to contact the maternity service user by 2pm at the latest to confirm time to attend Ward 9. Anyone admitted for induction should follow the same guidance in 3.6 and decision regarding method of induction discussed with the obstetric team.

Maternal and fetal wellbeing should be reviewed every 4-6 hours with pharmacological methods and every 6-8 hours with the mechanical method. At a minimum, this should include maternal observations (including bloods sugar readings as applicable), and enquiry regarding signs of labour and fetal movements.

If there is a delay in transfer to Labour ward during an induction process, the obstetric team should discuss the possibility of home leave for up to 6 hours during the day, ensuring maternal and fetal wellbeing before leaving and on re-admission.

If the woman establishes labour with either method, the woman should then be transferred to Labour ward to continue following the Care in Labour guidelines.

3.9 Outpatient Induction (see appendix 6 & 7)

For women suitable for and choosing outpatient induction, they should arrive in ADAU at 0730

Prior to starting induction, staff should follow the same guidance in 3.6 and decision regarding method of induction discussed with the maternity service user and obstetric team.

Prior to going home, everyone should be happy to proceed, and the Outpatient Induction leaflet explained, and a copy given.

It is vital to ensure the woman knows when to return:

Concerns with fetal movements
Regular painful contractions every 5 minutes
Rupture of membranes
Vaginal bleeding
Feeling general unwell / feverish
Balloon or propess® falls out
Or if there are other concerns.

 The telephone number of ADAU and Labour Ward should be clearly visible and pointed out and explained that the maternity service user can call at any point whilst at home

During the outpatient induction, the woman should be asked to return that evening for observations, and 30 - 60 minute CTG to ensure fetal wellbeing.

Labour Ward co-ordinator needs to be informed of all women having an Outpatient induction, information required:

Name, telephone number and Hospital Number: Parity and gestation: Indication for IOL Time of Prostin/Propess/balloon insertion



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3.10 Recommendations if induction of labour fails

The criteria for failed induction are not generally agreed, however there should be an opportunity to discuss the ongoing induction process if the Bishops score is <7 after one cycle of treatment, defined as:

two Prostin 3mg pessaries one Propess 10 mg vaginal device over 24 hours After removal of balloon at the appropriate time

If initial treatment does not achieve Bishops score >7, the options are:

One further prostin 3mg tablet at 24 hours post initial prostaglandin administration (contra-indicated with previous uterine surgery).

A cervical balloon to dilate the cervix - if initial management was prostaglandins

Use of 3mg Prostin if mechanical method has failed (after discussion with oncall consultant). No time interval is required after mechanical balloon removal prior to administration of Prostin.

Caesarean section

Have a period of "rest" and re-start induction at a later date.

Should a woman's preference be to go home before a second cycle, a clear plan must be discussed and documented by a consultant, and the woman must be aware of the potential risks and benefits involved

4.0 Statement of evidence/references

References:

- 1. National Institute for Health and Clinical Excellence (NICE). (2021). Inducing Labour. NG207 London: NICE. Available at: www.nice.org.uk
- 2. National Institute for Health and Clinical Excellence (NICE). (2017). Intrapartum Care for Healthy Women And Babies. CG 190 London: NICE. Available at: www.nice.org.uk
- 3. National Institute for Health and Clinical Excellence (NICE). (2008). Diabetes in Pregnancy: Management Of Diabetes And Its Complications From Pre-Conception To The Postnatal Period. NG3 (2020 London: NICE. Available at: www.nice.org.uk
- Arrowsmith S, Wray S, Quenby S. Maternal obesity and labour complications following induction of labour in prolonged pregnancy. BJOG 2011; DOI: 10.1111/j.1471-0528.2010.02889.x
- 5. Beckmann M, Gibbons K, Flenady V, Kumar S. Induction of labour using prostaglandin E₂ as an inpatient versus balloon catheter as an outpatient: a multicentre randomised controlled trial. BJOG. 2020 Apr;127(5):571-579. doi: 10.1111/1471-0528.16030. Epub 2019 Dec 17. PMID: 31785056.





- 6. Bhide, A., Sedgwick, P., Barrett, B., Cupples, G., Coates, R., Goode, R., Linton, S., & McCourt, C. (2020). Prostaglandin insert dinoprostone versus trans-cervical balloon catheter for outpatient labour induction: a randomised controlled trial of feasibility (PROBIT-F). *Pilot and feasibility studies*, *6*, 113. https://doi.org/10.1186/s40814-020-00661-7
- 7. Coates R, Cupples G, Scamell A, McCourt C, Bhide A. Women's experiences of outpatient induction of labour with double balloon catheter or prostaglandin pessary: A qualitative study. Women Birth. 2021 Jul;34(4):e406-e415. doi: 10.1016/j.wombi.2020.07.006. Epub 2020 Aug 13. PMID: 32800469.\
- 8. Diederen M, Gommers J, Wilkinson C, Turnbull D, Mol B. Safety of the balloon catheter for cervical ripening in outpatient care: complications during the period from insertion to expulsion of a balloon catheter in the process of labour induction: a systematic review. BJOG. 2018 Aug;125(9):1086-1095. doi: 10.1111/1471-0528.15047. Epub 2018 Jan 10. PMID: 29211328.
- 9. Howell, A, Blott, M. Very advanced maternal age. *The Obstetrician & Gynaecologist* 2021; 23: 38–47. https://doi.org/10.1111/tog.12710
- 10. Middleton P, Shepherd E, Morris J, Crowther CA, Gomersall JC. Induction of labour at or beyond 37 weeks' gestation. Cochrane Database of Systematic Reviews 2020, Issue 7. Art. No.: CD004945. DOI: 10.1002/14651858.CD004945.pub5.
- 11. Norman JE, Stock S. Intracervical Foley catheter for induction of labour. Lancet 2011; **378**:2054-2055
- 12. Stephenson E, Borakati A, Simpson I, Eedarapalli P. Foley catheter for induction of labour: a UK observational study. J Obstet Gynaecol. 2020 Nov;40(8):1064-1068. doi: 10.1080/01443615.2019.1676213. Epub 2019 Dec 3. PMID: 31793372.
- 13. RCOG Scientific Impact paper Number 34: Induction of Labour at Term in Older Mothers Feb 2013 Layout 1 (rcog.org.uk)
- 14. Stock SJ, Bhide A, Richardson H, Black M, Yuill C, Harkness M, Reid M, Wee F, Cheyne H, McCourt C, Rana D, Boyd KA, Sanders J, Heera N, Huddleston J, Denison F, Pasupathy D, Modi N, Smith G, Norrie J. Cervical ripening at home or in-hospital-prospective cohort study and process evaluation (CHOICE) study: a protocol. BMJ Open. 2021 May 4;11(5):e050452. doi: 10.1136/bmjopen-2021-050452. PMID: 33947741; PMCID: PMC8098973.
- Vogel JP, Osoti AO, Kelly AJ, Livio S, Norman JE, Alfirevic Z. Pharmacological and mechanical interventions for labour induction in outpatient settings. Cochrane Database Syst Rev. 2017 Sep 13;9(9):CD007701. doi: 10.1002/14651858.CD007701.pub3. PMID: 28901007; PMCID: PMC6483740.
- 16. Wise MR, Marriott J, Battin M, Thompson JMD, Stitely M, Sadler L. Outpatient balloon catheter vs inpatient prostaglandin for induction of labour (OBLIGE): a randomised controlled trial. Trials. 2020 Feb 17;21(1):190. doi: 10.1186/s13063-020-4061-5. PMID: 32066505; PMCID: PMC7027046.





5.0 Governance

5.1 Document review history

Version number	Review date	Reviewed by	Changes made
1	January 2003	Mary Plummer	New guideline
	June 2005	Mary Plummer	Reviewed – no change required
2	August 2008	Merja Thomas	Update – with minor changes
3	November 2010	Miss Thampi	Additional information included in the document; changes made to include best practice
3.1	November 2011	S Mahoney & Miss Thampi	Reviewed and minor amendments made
3.2	June 2013	Miss Thampi & Mary Plummer	Review and addition of use of Propess
3.3	January 2015	Carolyn Rooth	Section 11 added
4.0	April 2015	Carolyn Rooth	Guideline review and update, to include outpatient induction.
5.0	December 2016	Premila Thampi	Guideline review and update
6.0	October 2018	Erum Khan	Guideline review and update
6.1	January 2019	Erum Khan	Section 3.6.2 Patient exclusions; gestational age updated to below 41 weeks and greater than 42 weeks
7.0	May 2022	Anja Johansen-Bibby	Guidelines review and update

5.2 Consultation History

Stakeholders Name/Board	Area of Expertise	Date Sent	Date Received	Comments	Endorsed Yes/No
Miss Whitelaw	Consultant	May 2013			
Mr Stock	Consultant	May 2013			
Mr Hanna	Consultant	May 2013			
Miss Gupta	Consultant	May 2013			
Miss Thampi	Consultant Labour Ward Lead	May 2013			



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Miss Pezeshki	Consultant	May 2013			
Mr Yeh	Consultant	May 2013			
Mr Nakade	Consultant	May 2013			
Tracey Payne	Head of Midwifery	May 2013			
Mary Plummer	Matron	May 2013			
Molly Brew	Supervisor of Midwives	May 2013			
Di Summersgill	Supervisor of Midwives	May 2013			
Beverley Edwards	Sister	May 2013			
Pat Carter	Sister	May 2013			
Julie Howarth	Sister	May 2013			
Karen Tysoe	Sister	May 2013			
Julia Richmond	Sister	May 2013			
Katrina Caen	Sister	May 2013			
Suzanne Barber	Infant feeding advisor	May 2013			
Helen Robinson	Risk Midwife	May 2013			
Ed Neale	Clinical Director	January 2014			
Tracey Payne	Head of Midwifery	February 2014			
Carolyn Rooth	Consultant Midwife	Nov 2016			
Ed Neale	Divisional Director	Sept 2018	Sept 2018	Comments sent to author	Yes
Julie Cooper	Head of Midwifery	Sept 2018	Sept 2018	Comments sent to author	Yes
Stephanie Smith	Pharmacist	Sept 2018	Sept 2018	Comments sent to author	Yes
Laura Andrews	Midwife	2.5.18		Comments sent to author	Yes
Melissa Coles	ADAU midwife	Sept 2018		Comments sent to author	Yes
Jasmine Branch- Milne	Midwife		2.5.18	Comments sent to author	Yes
Laura Jewell	midwife		4.5.18	Comments sent to author	Yes
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Alison Ruth	midwife		4.5.18	Comments sent to author	Yes
Charlotte Auker	Midwife			Comments sent to author	Yes
Julie Cooper	Head of Midwifery	Sept 2018	Sept 2018	Comments sent to author	Yes
Wendy Bryant	Midwife	Sept 2018	Sept 2018	Comments sent to author	Yes
Kailash Nakade	Consultant	Sept 2018	Sept 2018	Approve: No comments	N/A
Joanne Caux	Midwife	Sept 2018	Sept 2018	Approve: No comments	N/A
Caredous Masters	Midwife	Sept 2018	Sept 2018	Approve: No comments	N/A

5.3 Audit and monitoring

Audit/Monitoring Criteria	Tool	Audit Lead	Frequency of Audit	Responsible Committee/Board
a) Women who are being offered induction of labour are given personalised information about the benefits and risks for them and their babies, and the alternatives to induction. b) Outpatient induction, numbers and success rate. c)Numbers using mechanical methods for induction and success rate.	Audit	Midwives and doctors as designated by audit leads	Annually	Midwives and doctors as designated by audit leads
d) Access to pain relief that is appropriate to their level of pain and to the type of pain relief they request.e) Number of patients with evidence of Consultant involvement in decision regarding mode of delivery.				
f) Ensure all women with oxytocin use have a face-to-face obstetric review prior to commencing g) Women with previous uterine surgery have consultant involvement in decision making				



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) ((Ailton Keynes University Hospital NHS Foundation	Trust	1	
	h)Rates of successful vaginal			
	delivery.			
	i) Use of prostaglandins and			
	oxytocin			
	OXYLOGIT			
	i) Mataural alabaam atian a			
	j) Maternal observations			
	that should be carried out			
	during induction prior to the			
	establishment of labour -			
	BP, P, T, urine analysis,			
	palpation, VE			
	parpation, ve			
	(c) Fotal absorptions that			
	k) Fetal observations that			
	should be carried out during			
	induction prior to the			
	establishment of labour			
	 Establishment of 			
	labour - Normal CTG in			
	notes prior to starting IOL			
	notes phor to starting IOL			
)			
	m) Evidence of			
	personalized counselling			
	regarding induction			
	n) Vaginal examination			
	repeated 6 hours after prostin			
	given Y/N (if not, reason for			
	` '			
	delay)			



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5.4 Equality Impact Assessment

As part of its development, this Guideline and its impact on equality has been reviewed. The purpose of the assessment is to minimise and if possible remove any disproportionate impact on the grounds of race, gender, disability, age, sexual orientation, religion or belief, pregnancy and maternity, gender reassignment or marriage and civil partnership. No detriment was identified. Equality Impact assessments will show any future actions required to overcome any identified barriers or discriminatory practice.

		Equali	ty Impac	ct As	sessmen	t		
Division	Wor	nen's a	and Child	dren's	Health	Depar	tment	Maternity
Person completing the Eql	A Anja	Johar	sen-Bib	by		Conta	ct No.	
Others involved:	Yes	, Shaan Meeda				Date of	of assessment:	May 2022
Existing policy/service	Yes					New p	oolicy/service	No
Will patients, carers, the pube affected by the policy/se		taff	Yes					
If staff, how many/which gr affected?	oups wil	l be	Midwiv	es an	d Obstetr	icians		
Protected characteristic		Any ir	mpact?		Commer	nts		
Age			NO			•	as the policy ai	
Disability			NO		•	cognise diversity, promote inclusion an		
Gender reassignment		NO		tair treat	fair treatment for patients and staff			
Marriage and civil partner	rship	NO						
Pregnancy and maternity	′	YES						
Race		NO						
Religion or belief		NO						
Sex		NO						
Sexual orientation			NO					
NA/hataananikatiananathaal/	(a) la accesa							
What consultation method(` ,							
Circulation of guideline – e							- 10	
How are the changes/ame			•					
Maternity guideline review								
What future actions need to						r alscrir		1. 1
What? Wh	no Will le	ad this? Date of co		mpletion		Resources nee	aea	
Review date of Fol ^Δ Ma	av 2025							
Review date of EqIA May 2025								





Appendix 1: Bishops score

Modified Bishop's score:

Score	0	1	2	3
Cervical dilatation (cms)	0	1-2	2-4	>4
Length (cms)	>4	2-4	1-2	<1
Consistency	Firm	Medium	Soft	
Position of the cervix	Posterior	Mid-anterior	Anterior	
Level of presenting part in relation to ischial spines	-3	-2	-1 / 0	+1 / +2

Appendix 2 Outcomes for babies and women

Appendix 2 Outcor	iles for bables and v		
		Expectant	
Outcome	Induction of labour	management	Risk difference
Shoulder dystocia	About 410 babies would per 10,000	About 680 babies per	About 270 more
		10,000 would be	babies per 10,000
	would be expected to	expected to have a	whose mother's birth
	have a shoulder	shoulder dystocia (so	was managed
	dystocia (so 9,590	9,320 would not)	expectantly would be
	would not)		expected to have a
			shoulder dystocia; so for 9,730 the outcome
			would be the same
			irrespective of the
			management strategy
Third or fourth degree	About 260 per 10,000	About 69 per 10,000	About 191 women
perineal tears	women would be	women would be	whose labour was
	expected to have third	expected to have third	induced would be
	or fourth degree tears	or fourth degree tears	expected to have third
	(so 9,740 would not)	(so 9,931 would not)	or fourth degree tears;
			so for 9,809 the
			outcome would be the
			same irrespective of
			the management
			strategy



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Appendix 3: Further information on use of Propess®

- Propess must be stored in a freezer at -10-25 degrees Celsius.
- Remove propess from the freezer 20 minutes before administering (although thawing is not required before use).
- Insert Propess high into the posterior fornix using aguagel (NOT Hibitane).
- The pessary should lie transversely behind the cervix in the posterior fornix.
- After Propess has been inserted the withdrawal tape may be cut but ensure that there is sufficient tape outside the vagina to allow removal.

After insertion

- Continue CTG for 30 minutes with the woman lying semi-recumbent.
- Note any adverse effects (nausea, vomiting, tachycardia, hypotension, fever, vaginal irritation, abdominal pain, vaginal bleeding, hypertonic uterine activity, abnormal CTG)
- If any adverse effect, review by an obstetrician.

Appendix 4 Use of a Foley Catheter for Induction of Labour

Use of the balloon should be undertaken only after appropriate training

Equipment needed

- Vaginal pack, Cusco"s speculum; Aseptic cleaning solution; Sterile gloves; Light source; sponge holder; cord clamp
- Foley catheter 16F
- Up to 50ml sterile saline / water for injection in a Luer lock syringe

Procedure

- Clean perineum and vagina
- Use Cusco's speculum to visualise cervix
- Clean the cervix with aseptic solution
- Feed catheter through the internal os, with sponge forceps if needed
- Once past the internal os, inflate the Foley catheter balloon with 30ml N/saline or water
- Use the cord clamp to occlude the open, external end of the catheter [where the urine bag would normally be attached]
- Tape the lower 1/3 of the catheter under slight traction to the inner thigh
- 30-60 min CTG after insertion of Foley catheter





Appendix 5 Use of a double-balloon catheter for cervical ripening

The Cook Cervical Ripening (double) balloon (CCRB) is a double catheter device for cervical ripening, with a wire stylet, 'S' for ease of application. The uterine balloon, labelled 'U', is inflated with 40-80mls of sterile saline and pulled back. A second vaginal balloon, labelled 'V' is then inflated with the same quantity of fluid.

Use of the balloon should be undertaken only after appropriate training

If the woman becomes very uncomfortable after inflation of both balloons, it may be secondary to the vaginal balloon and it can be deflated to 40-60 ml (instead of 80 ml).

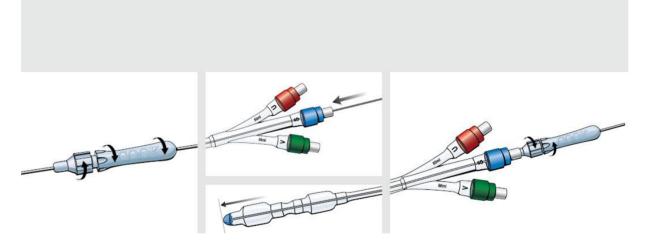
Instructions for use

STEP 1

Loosen the fitting on the proximal hub of the stylet and adjust the wire so that the distal tip of the stylet is even with the distal tip of the Cervical Ripening Balloon.

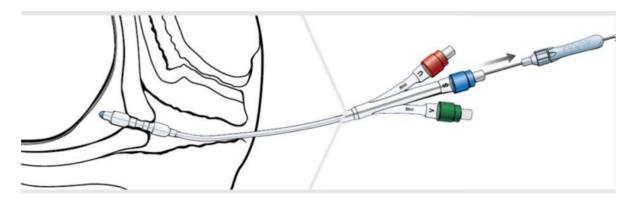
STEP 2

Tighten the fitting so that the wire does not move during manipulation, and seat the adjustable handle firmly into the blue port labelled "S"



STEP 3

If necessary, use the stylet with the Cervical Ripening Balloon to transverse the cervix. *Note:* Once the cervix has been traversed and the uterine balloon is above the level of the internal uterine opening (internal os), remove the wire stylet before further advancing the catheter.





STEP 4

Advance the Cervical Ripening Balloon through the cervix until both balloons have entered the cervical canal.

STEP 5

Inflate the uterine balloon with 40 mL of saline. Once the uterine balloon is inflated, pull the device back until the balloon abuts the internal cervical os.

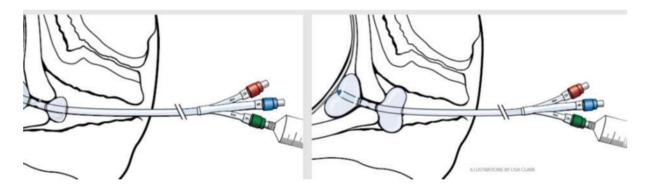


STEP 6

The vaginal balloon is now visible outside the external cervical os and should be inflated with 40 mL of saline.

STEP 7

Once the balloons are situated on each side of the cervix and the device has been fixed in place, add more fluid to each balloon in turn, until each balloon contains a maximum of 80 mL of fluid. Remove the balloon after 12 hours or when the patient is in active labour.



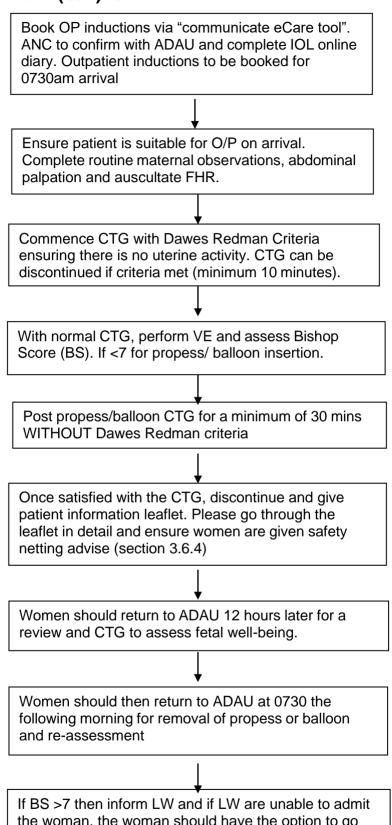
STEP 8 REMOVAL

After 12 hours, deflate both balloons and remove the catheter. The patient should be able to have an ARM. Follow the induction of labour guideline at this stage. The device should now be discarded and disposed of in a safe manner



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Appendix 6: Outpatient (O/P) IOL



the woman, the woman should have the option to go home and be admitted to LW when they have capacity. If BS <7, obstetric team to be informed to review and plan management.



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Appendix 6: Checklist for OP IOL – document on eCare

For completion at time of F	Prostin/Propess insertion
-----------------------------	---------------------------

Confirmation that suitable for Outpatient IOL and gestation

Verbal information given

Written information given (- read and understood)

Patients return location and time written on the patient information leaflet

Pre-Prostin/Propess CTG and full set of observations recorded on MEOWS chart

Examination including bishops score (section 3.4.6)

Post Prostin/Propess (30 min) full set of observations

Pass details to Labour Ward:

Name:

Hospital No:

Parity:

Indication for IOL

Time of Prostin/Propess insertion.

Patient telephone number.

Enter into OP IOL diary

For completion by midwife at delivery

Provide patient satisfaction survey to patient, explain that it relates purely to the OP IOL





Appendix 7: In-patient IOL

Midwife in Charge of ward 9 knows incoming inductions for the day including contact details via the online IOL diary

Midwife in charge to contact the women that morning, latest by 2pm regarding approximate time to present to W9

After admission and review (section 3.6), ask obstetric team to prescribe medications as per IOL Powerplan.

CTG pre prostin using Dawes Redman Criteria (minimum 10 mins). If criteria met, perform VE to assess Bishop Score.

If BS<7 for Prostaglandin/balloon. If BS >7 inform LW.

If PGE is required, post prostin CTG for minimum of 30 minutes WITHOUT Dawes Redman criteria. Discontinue CTG if normal.

After 4-6 hours, review maternal and fetal wellbeing. Commence pre 2nd prostin CTG, 6 hours from insertion of 1st PGE without Dawes Redman for a minimum of 30 mins.

If CTG is normal, perform VE and assess BS.
If BS <7 for 2nd PGE. If BS>7 inform LW
If PGE is required, post prostin CTG for minimum of 30 minutes
WITHOUT Dawes Redman criteria. Discontinue CTG if normal.

After 4-6 hours, review maternal and fetal wellbeing. Offer VE after 6 hours, post 2^{nd} prostin to assess BS. If BS >7 inform LW If BS < 7 inform obstetric team regarding ongoing induction. Obstetric review and discussion offer 3^{rd} PGE, balloon or Caesarean birth .

If choosing 3rd PGE, can administer 24 hours after 1st prostin dose. CTG for 30 minutes Pre and post insertion WITHOUT Dawes Redman. After 4-6 hours, review maternal and fetal wellbeing.

Assess BS 6 hours following insertion of 3rd PGE if BS >7 – inform LW.

If BS < 7 inform obstetric team regarding ongoing induction.

Obstetric review and discussion offer balloon, rest period or Caesarean birth

Any maternity service user with BS >7 awaiting transfer to LW require review of maternal and fetal wellbeing every 4- 6 hours. At a minimum, this should include maternal observations (including bloods sugar readings as applicable), and enquiry regarding signs of labour, vaginal loss and fetal movements.



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Appendix 8: Audit tool for OP induction

Does this woman meet the inclusion criteria for MKUH guidelines? If not, please record why:							Yes	No
2. Offered a membrane sweep prior to induction						Yes	No	
3. Documentation of consent for OP IOL, including discussion of information leaflet							let Yes	No
4. Documentation of vaginal assessment prior to IOL Bishops Scor						e <u>:</u>		
5. Documentation Maternal observ Electronic fetal	vations	3	ctory materi	nal and fetal obs	servations p	rior to dischar	ge home Yes	No
6. Documentation	on of a	dvice	given wher	to contact/com	e back			
7. Parity			J				Yes	No
8. Method of inc	duction	1	Propess	Balloor	1			
9. BS at 24 hou	rs		<u>.</u>					
10. Additional p	rostag	landin	s required o	on re-admission			Yes	No
11. Method of m	nembra	ane ru	pture		ARM	SROM		
12. Oxytocin red	quired				Yes	No		
13. Analgesia fo	or labo	ur:						
14. Mode of del	Spon Assis	sted d	•	oirth forceps ventous gent emergency				
15. APGAR sco	res	1 mir	nute	5 minutes	10 n	ninutes		
16. Time interva	al from	induc	tion of labo	ur to delivery (ti	me)			
17. Admission t	o neon	natal u	ınit?				Yes	No
18. Risk inciden If yes, please de							Yes	No
19. Patient satis	sfactior	า						
Would she recommend outpatient induction to friends/family?						Yes	No	