

management-tokolyse \rightarrow base 06.06.2025, 11:25

Page 01

Dear colleagues,

A003

We kindly ask you to participate in this 5-minute survey on tocolysis in order to evaluate clinical practice in Swiss hospitals and private practices. Your responses will be collected anonymously and cannot be traced back to you, your clinic, or your practice.

Thank you very much for your valuable support.

Prof. Dr. med. N. Ochsenbein-Kölble, Prof. Dr. phil A.P. Simões-Wüst, Dr. med. univ. M. Kiebler

I agree to participate.

A001 垣

Page 02

A002 🗉

Are you currently primarily employed in a hospital or a private practice?

Private Practice

Hospital

2 Active Filter(s)

Filter A002/F1

If any of the following options is selected: 1

Then jump to page BP after the next button was clicked

Filter A002/F2

If any of the following options is selected: 2

Then jump to page **BS** after the next button was clicked

Whi	ich specialization title(s) do	you hold?	
	Operative Gynecology and Obstetrics		
	Gynecological oncology		
	Fetomaternal medicine		
	Gynecological endocrinology / reproductive medicine		
	Urogynecology		
	Senology		
	None		
Do	Do you also work in an obstetrics department in addition to your work in the practice?		
	Yes		
	No		
	1		
		2 Active Filter(s)	
		Filter BP06/F1	
		If any of the following options is selected: 1	
		Then jump to page CB after the next button was clicked	
		Filter BP06/F2	
		If any of the following options is selected: 2	
		Then jump to page CP after the next button was clicked	

Which clinical parameter(s) are most important to you for the indication of tocolysis?

Cervical length below 25 mm (TVUS)

Positive biochemical test (PartoSure2, FullTerm2)

> 4 contractions in 20 minutes or 6 contractions in 60 minutes

History of PTB / late miscarriage

PPROM < 34 weeks of gestation with contractions

PPROM < 34 weeks of gestation without contractions

Bleeding with placenta previa

Other

1 Active Filter(s)

Filter CP01/F1

If any of the following options is selected: 3

Then display question/text CP02 placed later in the questionnaire (otherwise hide)

What primary objectives do you pursue with tocolysis?

CP03 😐

Transfer to a perinatal center

Gaining time for lung maturation induction

Prolongation of fetal development in utero

Meeting the patient's needs

Other

CP04 🗉

Sepsis
Severe preeclampsia
Maternal hemodynamic instability
Pulmonary edema
Pathological CTG
Placental abruption
Chorioamnionitis
Gestational age below 22 0/7 weeks
Gestational age over 34 0/7 weeks within an uncomplicated pregnancy
None
Other

What are general contraindications for tocolysis for you?

GP02 💷

Do you differentiate between painful and non-painful contractions regarding your decision for indication of tocolysis?	P02 ·
No	
Yes, I assign a higher risk of PTB to painful contractions compared to non-painful contractions	
Yes, I assign a higher risk of PTB to non-painful contractions compared to painful contractions	
DE	P01 •
When do you usually stop a tocolytic therapy?	<u> </u>
After successful lung maturation induction and/or from 34 0/7 weeks of gestation	
From 35 0/7 weeks of gestation	
From 36 0/7 weeks of gestation	
Beyond 37 0/7 weeks of gestation	
Which medication(s) do you generally use for tocolytic therapy?	P01 •
Beta-sympathomimetic (Hexoprenaline, e.g., Gynipral®)	
Calcium channel blocker (Nifedipine, e.g., Adalat®)	
Non-steroidal antiphlogistic (Indometacin, e.g., Indocid®)	
Nitrates (Nitroglycerin, e.g., Nitroderm TTS®)	
Oxytocin receptor antagonist (Atosiban, e.g., Tractocile®)	
Magnesium (parenteral)	
Magnesium (oral)	
Bryophyllum	
Other	
Do you recommend bed rest during tocolysis?	P01 •
Yes	
No	

Internal SOPs / Guidelines
S2k-Guideline "Prevention & Treatment of Preterm Birth"
SGGG Expert Letter No. 41 "Tocolysis for Preterm Labor"
My own professional experience
Expertise of experienced colleagues
International Guidelines (ACOG, RCOG, NICE, Up-To-Date, etc.)
Other

1 Active Filter(s)

Filter GP02/F1

If tocolysis is indicated, I most closely follow:

If any of the following options is selected: ${\bf 1, 2, 3, 4, 5, 6, -9}$

Then jump to page jump1 after the next button was clicked

In which SIWF category is your department categorized?

BS01 🗉

SIWF Category A

SIWF Category B

No Category

How many births occur at your hospital annually?

BS02 🗉

< 500 births

501-1000 births

1001-2000 births

2001-3000 births

> 3000 births

What level of neonatal care is provided at your hospital?

BS03 😐

CANU II: \geq 35+0 weeks, \geq 2000g; no ventilation, no monitoring, no CPAP CANU IIA: \geq 34+0 weeks, \geq 1500g; continuous monitoring; CPAP optional CANU IIB: \geq 32+0 weeks, \geq 1250g; continuous monitoring; CPAP available

CANU III: All viable gestational ages; full intensive care (ventilation, CPAP, central catheter)

No neonatal unit

CANU I (Basic Neonatal Care)

CANU IIA (Neonatal Special Care Unit)

CANU IIB (Neonatal Intermediate Care Unit)

CANU III (Neonatal Intensive Care Unit)

BS05 😐

What is your clinical role at the hospital?

Chief physician / Deputy chief physician

Head of Department

Senior physician

Resident Physician

BS06 💷

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How many years of clinical experience do you have in obstetrics?
    Under 5 years
    5-10 years
    11-20 years
    21-30 years
    Over 30 years
                                                                                               BS07 🖪
In which region is your hospital located?
    Lake Geneva Region (VD, VS, GE)
    Espace Mittelland (BE, FR, SO, NE, JU)
    Zurich (ZH)
    Eastern Switzerland (GL, SH, AR, AI, SG, GR, TG)
    Central Switzerland (LU, UR, SZ, OW, NW, ZG)
    Northwestern Switzerland (BS, BL, AG)
    Ticino (TI)
    Not specified
                                                                                               BS08 🗉
Which specialization title(s) do you hold?
    Operative Gynecology and Obstetrics
    Gynecological oncology
    Urogynecology
    Fetomaternal medicine
    Senology
    Gynecological endocrinology / reproductive medicine
    None
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CS01	

Which clinical parameter(s) are most important to you for the indication of tocolysis?

Cervical length below 25 mm (TVUS)

Positive biochemical test (PartoSure2, FullTerm2)

> 4 contractions in 20 minutes or 6 contractions in 60 minutes

History of PTB / late miscarriage

PPROM < 34 weeks of gestation with contractions

PPROM < 34 weeks of gestation without contractions

Bleeding with placenta previa

Other

1 Active Filter(s)

Filter CS01/F1

If any of the following options is selected: 3

Then display question/text CS02 placed later in the questionnaire (otherwise hide)

What primary objectives do you pursue with tocolysis?

CS03 🗉

Transfer to a perinatal center

Gaining time for lung maturation induction

Prolongation of fetal development in utero

Meeting the patient's needs

Other

CS04 🗉

Sepsis
Severe preeclampsia
Maternal hemodynamic instability
Pulmonary edema
Pathological CTG
Placental abruption
Chorioamnionitis
Gestational age below 22 0/7 weeks
Gestational age over 34 0/7 weeks within an uncomplicated pregnancy
None
Other

What are general contraindications for tocolysis for you?

	Page 08
	CSDS
o you differentiate between painful and non-painful contractions regarding your decision dication of tocolysis?	for CS02 ·
No	
Yes, I assign a higher risk of PTB to painful contractions compared to non-painful contrac	ctions
Yes, I assign a higher risk of PTB to non-painful contractions compared to painful contrac	ctions
hen do you usually stop a tocolytic therapy?	DS01 🗉
After successful lung maturation induction and/or from 34 0/7 weeks of gestation	
From 35 0/7 weeks of gestation	
From 36 0/7 weeks of gestation	
Beyond 37 0/7 weeks of gestation	
what gestational age do you start lung maturation induction at the earliest?	DS02 🗉
om XX + X gestational weeks	
p to which gestational age do you perform lung maturation induction?	DS03 🖸
XX + X gestational weeks	

DS04 🗉

Do you administer a repeat course of lung maturation induction ("rescue-dose") in the event of

renewed threatened PTB?

Yes

No

	ES1
Which medication(s) do you generally use for tocolytic therapy?	•
Beta-sympathomimetic (Hexoprenaline, e.g., Gynipral®)	
Calcium channel blocker (Nifedipine, e.g., Adalat®)	
Non-steroidal antiphlogistic (Indometacin, e.g., Indocid®)	
Nitrates (Nitroglycerin, e.g., Nitroderm TTS®)	
Oxytocin receptor antagonist (Atosiban, e.g., Tractocile®)	
Magnesium (parenteral)	
Magnesium (oral)	
Bryophyllum	
Other	
	$\overline{}$
Which medication do you use as the first-choice tocolytic in case of acute threatened PTB in the	•
context of an uncomplicated singleton pregnancy?	
Beta-sympathomimetic (Hexoprenaline, e.g., Gynipral®)	
Calcium channel blocker (Nifedipine, e.g., Adalat®)	
Non-steroidal antiphlogistic (Indometacin, e.g., Indocid®)	
Nitrates (Nitroglycerin, e.g., Nitroderm TTS®)	
Oxytocin receptor antagonist (Atosiban, e.g., Tractocile®)	
Magnesium (parenteral)	
Magnesium (oral)	
Bryophyllum	
Other	
ES03	•
Do you choose the type of tocolytic based on whether it is an uncomplicated singleton pregnar high-risk pregnancy (e.g. multiples/extreme PTB, IUGR or placenta previa)? (Single Choice Question)	
Yes	
No	
1 Active Filter(s)	

Filter ES03/F1

If any of the following options is selected: 1
Then display question/text ES04 placed later in the questionnaire (otherwise hide)

Which medication do you use as the first-choice tocolytic in case of acute threatened PTB	in the ES04 II
context of a high-risk pregnancy (multiples, extreme PTB, IUGR, bleeding due to placenta	previa)?
Beta-sympathomimetic (Hexoprenaline, e.g., Gynipral®)	
Calcium channel blocker (Nifedipine, e.g., Adalat®)	
Non-steroidal antiphlogistic (Indometacin, e.g., Indocid®)	
Nitrates (Nitroglycerin, e.g., Nitroderm TTS®)	
Oxytocin receptor antagonist (Atosiban, e.g., Tractocile®)	
Magnesium (parenteral)	
Magnesium (oral)	
Bryophyllum	
Other	
What is the most important criterion for you when choosing a tocolytic?	ES05 🗉
Existing Approval by Swissmedic	
Efficacy	
Few Maternal Side Effects	
Few Fetal Side Effects	
Practical Applicability	
Medication Costs	
Guideline Recommendations	
Other	
	ES06 •

Which side effects have you observed with which tocolytics?

(If you have not documented any side effects in any of the drug classes, please leave the check mark in front of the drug class empty.)

Beta-sympathomimetic (Hexoprenaline, e.g. Gynipral®)	
Cardiac arrhythmias (incl. tachycardia)	
Hypokalaemia	
Pulmonary oedema	
Other	
Calcium channel blocker (Nifedipine, e.g. Adalat®)	
Hypotension and/or tachycardia	
Pulmonary oedema	
Other	
Non-steroidal anti-inflammatory drug (Indomethacin, e.g. l	Indocid®)
Premature closure of ductus arteriosus botalli	
Other	
Nitrates (Nitroglycerin, e.g. Nitroderm TTS®)	
Headache	
Severe hypotension/tachycardia	
Other	
Oxytocin receptor antagonist (Atosiban, e.g. Tractocile®)	
Nausea/vomiting	
Hypotension and/or tachycardia	
Other	
Magnesium oral	
Flush/sweating	
Nausea/vomiting	
Hypotension/tachycardia	
Other	
Magnesium i.v.	
Flush/sweating	
Nausea/vomiting	
Hypotension/tachycardia	
Other	
Bryophyllum pinnatum	
Headache	
Palpitations	
Tremor	
Other	

What measures/inform	nation do you use to monitor the efficacy of tocolytics?	ES07 🗉
Cervical Length Me	asurement	
Tocogram/CTG		
Subjective Percepti	on	
Vaginal Examinatio	n	
Other		
		
Do you perform maintenance tocolysis?		
(Maintenance tocolysis	= tocolysis > 48 hours)	
Yes		
No		
	1 Active Filter(s)	
	Filter FS01/F1	
	If any of the following options is selected: 2	
	Then jump to page GS after the next button was clicked	

For which reason(s) do you perform maintenance tocolysis?	FS02 •
At patient's request	
For specific indications (e.g., bleeding with placenta previa, amniotic sac prolapse, multiple pregnancies)	
In early weeks of gestation (before 28 weeks)	
Other reasons	
If you perform maintenance tocolysis, which tocolysis sequence do you normally use?	FS03 🗉
The same as initially started	
Switch to a different tocolytic	
When performing maintenance tocolysis, which tocolytic do you usually use?	FS04 •
Beta-sympathomimetic (Hexoprenaline, e.g., Gynipral®)	
Calcium channel blocker (Nifedipine, e.g., Adalat®)	
Non-steroidal antiphlogistic (Indometacin, e.g., Indocid®)	
Nitrates (Nitroglycerin, e.g., Nitroderm TTS®)	
Oxytocin receptor antagonist (Atosiban, e.g., Tractocile®)	
Magnesium (parenteral)	
Magnesium (oral)	
Bryophyllum	
Other	

cc	n	_	ы	

Internal SOPs / Guidelines

S2k-Guideline "Prevention & Treatment of Preterm Birth"

SGGG Expert Letter No. 41 "Tocolysis for Preterm Labor"

My own professional experience

Expertise of experienced colleagues

International Guidelines (ACOG, RCOG, NICE, Up-To-Date, etc.)

Other	
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1 Active Filter(s)

Filter GS06/F1

If any of the following options is selected: 1, 2, 3, 4, 5, 6, -9

Then jump to page jump1 after the next button was clicked

How many births per year are	vou actively involved in?	BP09 □
1-24		
25-50		
51-100		
101-200		
>200		
Which clinical parameter(s) a	re most important to you for the indication of tocolysis?	CB01 •
Cervical length below 25 i	mm (TVUS)	
Positive biochemical test	(PartoSure②, FullTerm②)	
> 4 contractions in 20 min	outes or 6 contractions in 60 minutes	
History of PTB / late misca	arriage	
PPROM < 34 weeks of ges	tation with contractions	
PPROM < 34 weeks of ges	tation without contractions	
Bleeding with placenta pr	evia	
Other		
	1 Active Filter(s)	
	Filter CB01/F1 If any of the following options is selected: 3	
	Then display question/text CB05 placed later in the questionnaire (otherw	vise hide)
What primary objectives do y	ou pursue with tocolysis?	CB03 🗉
Transfer to a perinatal cer	nter	
Gaining time for lung mat	uration induction	
Prolongation of fetal deve	elopment in utero	
Meeting the patient's nee	ds	
Other		

Sepsis
Severe preeclampsia
Maternal hemodynamic instability
Pulmonary edema
Pathological CTG
Placental abruption
Chorioamnionitis
Gestational age below 22 0/7 weeks
Gestational age over 34 0/7 weeks within an uncomplicated pregnancy
None
Other

What are general contraindications for tocolysis for you?

CB05 🗉

Do you differentiate between painful and non-painful contractions regarding your decision for tindication of tocolysis?

No

Yes, I assign a higher risk of PTB to painful contractions compared to non-painful contractions

Yes, I assign a higher risk of PTB to non-painful contractions compared to painful contractions

When do you usually stop a tocolytic therapy?

DB01 🗉

After successful lung maturation induction and/or from 34 0/7 weeks of gestation

From 35 0/7 weeks of gestation

From 36 0/7 weeks of gestation

Beyond 37 0/7 weeks of gestation

At what gestational age do you start lung maturation induction at the earliest?

DB02 🗉

From XX + X gestational weeks

DB03 🗉

Up to which gestational age do you perform lung maturation induction?

To XX + X gestational weeks

Do you administer a repeat course of lung maturation induction ("rescue-dose") in the event of renewed threatened PTB?

DB04 🗉

Yes

No

		_
Which medication(s) do you g	enerally use for tocolytic therapy?	EB01 11
Beta-sympathomimetic (H	exoprenaline, e.g., Gynipral®)	
Calcium channel blocker (I	lifedipine, e.g., Adalat®)	
Non-steroidal antiphlogist	c (Indometacin, e.g., Indocid®)	
Nitrates (Nitroglycerin, e.g	., Nitroderm TTS®)	
Oxytocin receptor antagor	ist (Atosiban, e.g., Tractocile®)	
Magnesium (parenteral)		
Magnesium (oral)		
Bryophyllum		
Other		
Which medication do you use context of an uncomplicated s	as the first-choice tocolytic in case of ac	cute threatened PTB in the EB02 •
Beta-sympathomimetic (H	exoprenaline, e.g., Gynipral®)	
Calcium channel blocker (I	Nifedipine, e.g., Adalat®)	
Non-steroidal antiphlogist	c (Indometacin, e.g., Indocid®)	
Nitrates (Nitroglycerin, e.g	., Nitroderm TTS®)	
Oxytocin receptor antagor	ist (Atosiban, e.g., Tractocile®)	
Magnesium (parenteral)		
Magnesium (oral)		
Bryophyllum		
Other		
	olytic based on whether it is an uncomp ples/extreme PTB, IUGR or placenta pro	
Yes		
No		
	1 Active Filter(s)	

Filter EB03/F1

If any of the following options is selected: 1

Then display question/text **EB04** placed later in the questionnaire (otherwise hide)

Which medication do you use as the first-choice tocolytic in case of acute threatened PTB in the
context of a high-risk pregnancy (multiples, extreme PTB, IUGR, bleeding due to placenta previa)?
Beta-sympathomimetic (Hexoprenaline, e.g., Gynipral®)
Calcium channel blocker (Nifedipine, e.g., Adalat®)
Non-steroidal antiphlogistic (Indometacin, e.g., Indocid®)
Nitrates (Nitroglycerin, e.g., Nitroderm TTS®)
Oxytocin receptor antagonist (Atosiban, e.g., Tractocile®)
Magnesium (parenteral)
Magnesium (oral)
Bryophyllum
Other
EB05 •
What is the most important criterion for you when choosing a tocolytic?
Existing Approval by Swissmedic
Efficacy
Few Maternal Side Effects
Few Fetal Side Effects
Practical Applicability
Medication Costs
Guideline Recommendations

Other

EB06 🗉

Which side effects have you observed with which tocolytics?

(If you have not documented any side effects in any of the drug classes, please leave the check mark in front of the drug class empty.)

Beta-sympathomimetic (Hexoprenaline, e.g. Gynipral®)
Cardiac arrhythmias (incl. tachycardia)
Hypokalaemia
Pulmonary oedema
Other
Calcium channel blocker (Nifedipine, e.g. Adalat®)
Hypotension and/or tachycardia
Pulmonary oedema
Other
Non-steroidal anti-inflammatory drug (Indomethacin, e.g. Indocid®)
Premature closure of ductus arteriosus botalli
Other
Nitrates (Nitroglycerin, e.g. Nitroderm TTS®)
Headache
Severe hypotension/tachycardia
Other
Oxytocin receptor antagonist (Atosiban, e.g. Tractocile®)
Nausea/vomiting
Hypotension and/or tachycardia
Other
Magnesium oral
Flush/sweating
Nausea/vomiting
Hypotension/tachycardia
Other
Magnesium i.v.
Flush/sweating
Nausea/vomiting
Hypotension/tachycardia
Other
Bryophyllum pinnatum
Headache
Palpitations
Tremor
Other

hat measures/informa	ation do you use to monitor the efficacy of tocolytics?	EB07 🗉
Cervical Length Mea	surement	
Tocogram/CTG		
Subjective Perceptic	on	
Vaginal Examination		
Other		
o you perform mainter	nance tocolysis?	FB01 🗉
/laintenance tocolysis =	tocolysis > 48 hours)	
Yes		
No		
	1 Active Filter(s)	
	Filter FB01/F1	
	If any of the following options is selected: 2	
	Then jump to page GB after the next button was clicked	

	FB04 🗉
For which reason(s) do you perform maintenance tocolysis?	1004
At patient's request	
For specific indications (e.g., bleeding with placenta previa, amniotic sac prolapse, multiple pregnancies)	
In early weeks of gestation (before 28 weeks)	
Other reasons	
If you perform maintenance tocolysis, which tocolysis sequence do you normally use? The same as initially started	FB02 •
Switch to a different tocolytic	
When performing maintenance tocolysis, which tocolytic do you usually use?	FB03 🗉
Beta-sympathomimetic (Hexoprenaline, e.g., Gynipral®)	
Calcium channel blocker (Nifedipine, e.g., Adalat®)	
Non-steroidal antiphlogistic (Indometacin, e.g., Indocid®)	
Nitrates (Nitroglycerin, e.g., Nitroderm TTS®)	
Oxytocin receptor antagonist (Atosiban, e.g., Tractocile®)	
Magnesium (parenteral)	
Magnesium (oral)	
Bryophyllum	
Other	

Last Page

Thank you very much for your valuable participation!

option('nextbutton', 'Senden/Envoyer/Inviare');

We would like to sincerely thank you for your support.

If you have any comments or questions regarding the survey, please do not hesitate to contact us at martin.kiebler@usz.ch.

We greatly appreciate your feedback and thank you once again for your participation!

Your data has been saved. You may now close the browser window.

Dr. med. univ. Martin Kiebler, Prof. Dr. phil. II Ana Paula Simões-Wüst, Prof. Dr. med. Nicole Ochsenbein-Kölble, Universitätsspital Zürich, Forschung Geburtshilfe