SUPPLEMENT

Written Survey1

This survey was developed in English, then translated to Polish and sent to the centers.

Table 1	Com	pliance	with	Registry

Does enrollment reflect actual use?

2014	Complete (>90%) □□□□□ No <10%)
2015	Complete (>90%) □□□□□ No <10%)
2016	Complete (>90%) □□□□□ No <10%)
2017	Complete (>90%) □□□□□ No <10%)
2018	Complete (>90%) □□□□□ No <10%)
2019	Complete (>90%) □□□□□ No <10%)

For each year, why?

Table 2 Overall Impression of A-FiO2

2a) Rate current subjective impressions about A-FiO2 use

How often is A-FiO2 used:	Routinely 🗆 🗆 🗆 🗆 Never
Effectiveness of A-FiO2:	Excellent 🗆 🗆 🗆 🗆 Poor
Effectiveness of Alarms:	Excellent 🗆 🗆 🗆 🗆 Excessive
A-FiO2 ever erratic:	Never □□□□□ Regularly
Rate of adoption by staff:	Quickly 🗆 🗆 🗆 🗆 Resistant
Training by distributor:	Excellent 🗆 🗆 🗆 🗆 Insufficient

b) Current Indications for use

all infants receiving respiratory support:	Yes 🗆 🗆 🗆 🗆 No
all unstable infants receiving respiratory	Yes 🗆 🗆 🗆 🗆 No
support:	
only intubated infants:	Yes 🗆 🗆 🗆 🗆 No
only preterm infants:	Yes 🗆 🗆 🗆 🗆 No

Written Survey 2

This survey was developed in English, then translated to Polish and sent to the centers.

3a) About the benefits of A-FiO2

better maintenance of SpO2 in	Yes 🗆 🗆 🗆 🗆 No
normoxemia	
reducing episodes of extreme SpO2	Yes 🗆 🗆 🗆 🗆 No
exposure	
reducing the risk of periodic nurse	Yes 🗆 🗆 🗆 🗆 No
distraction	
reducing nursing work load	Yes 🗆 🗆 🗆 🗆 No
reducing false/nuisance SpO2 alarms	Yes 🗆 🗆 🗆 🗆 No

ally be used?	
Yes 🗆 🗆 🗆 No	
Yes 🗆 🗆 🗆 No	
Yes 🗆 🗆 🗆 🗆 No	
Yes 🗆 🗆 🗆 🗆 No	
Yes DDDD No	
Yes 🗆 🗆 🗆 No	
h Yes 🗆 🗆 🗆 🗆 No	
Yes 🗆 🗆 🗆 No	
Yes 🗆 🗆 🗆 🗆 No	
Yes 🗆 🗆 🗆 No	
: Yes 🗆 🗆 🗆 No	
Yes 🗆 🗆 🗆 No	
Yes 🗆 🗆 🗆 No	
Yes 🗆 🗆 🗆 No	
ng Yes 🗆 🗆 🗆 No	
ng Yes 🗆 🗆 🗆 No	
Yes DDD No	
Yes O No Yes O No	
Yes No Yes No Yes No Yes No Yes No	
Yes No Yes No Yes No Yes No Yes No	
Yes No Yes No Yes No Yes No Yes No Yes No	
Yes No Yes No Yes No Yes No Yes No Yes No Yes No	
Yes ONO Adetails and frequency	
Yes ONO With increased experience	
Yes ONO details and frequency with increased experience Yes ONO	
Yes	
Yes ONO details and frequency with increased experience Yes ONO	

diagnosis, acuity)

For any of these not NO, discuss and describe details including whether it was unit wide or related to individual clinicians.

3f) About the initial integration of A-FiO2 into your unit

Did you receive training from the distributor or	Yes □ No □
manufacture	
Was the initial training adequate?	Yes 🗆 🗆 🗆 No
Time between training and start of routine use	weeks
How long is the orientation for physicians new to	hours
A-FiO2	
How long is the orientation for nurses new to A-	hours
FiO2	

3g) About the <u>current</u> use of A-FiO2 in your unit?

Prescribed target ranges are part of the medical	Yes □ No □
record	
Prescribed SpO2 alarm levels are part of the	Yes 🗆 🗆 🗆 🗆 No
medical record	
A-FiO2 is turned on or off only by the attending	Yes 🗆 🗆 🗆 No
physician	
Target Ranges are set or reset only by the attending	Yes 🗆 🗆 🗆 No
physician	
Alarm delays are set or reset only by the attending	Yes 🗆 🗆 🗆 🗆 No
physician	
SpO2 Alarm delays are usually set at	seconds
SpO2 Alarm delays are on occasion set between	s

Web-Registry-data fields

The web input pages were all developed in Polish. This Table of the fields was translated to English in the database reports to the primary investigators.

Field	Туре	SAS
IdClio	int(10) unsigned	IdClio
refNo	varchar(30)	refNo
delivDate	datetime	delivDate
gender	enum('m','f','u')	gender
weight	int(11)	weight
age	int(11)	age
delivRoute	enum('Cesarean','Vaginal')	delivRoute
gestation	enum('Single','Multiple')	gestation
steroids	enum('NO','YES','No Data')	steroids
resNeopuff	enum('NO','YES')	resNeopuff
resAmbuBag	enum('NO','YES')	resAmbuBag
resNonInvasive	enum('NO','YES')	resNonInvasive

resFiO2Max	int(11)	resFiO2Max
resIntubation	enum('NO','YES')	resIntubation
resCardiacMassage	enum('NO','YES')	resCardiacMassage
resDrugs	enum('NO','YES')	resDrugs
insure	enum('NO','YES')	insure
lisa	enum('NO','YES')	lisa
otherSurfactant	enum('NO','One','Multiple')	otherSurfactant
beforeA-FiO2 NCPAP	enum('NO','YES')	beforeA-FiO2 NCPAP
beforeA-FiO2 NIPPV	enum('NO','YES')	beforeA-FiO2_NIPPV
beforeA-FiO2_MV	enum('NO','YES')	beforeA-FiO2_MV
beforeA-FiO2_HFO	enum('NO','YES')	beforeA-FiO2_HFO
beforeA-FiO2_FiO2Min	int(11)	beforeA-FiO2_FiO2Min
-		beforeA-FiO2_FiO2Max
beforeA-FiO2_FiO2Max	int(11)	-
previousFiO2	int(11)	previousFiO2
A-FiO2Date	datetime	A-FiO2Date
FiO2startSetting	int(11)	FiO2startSetting
A-FiO2SpO2Mode	enum('Invasive','NonInvasive')	A-FiO2SpO2Mode
A-FiO2SpO2Date	datetime	A-FiO2SpO2Date
SpO2targetMin	int(11)	SpO2targetMin
SpO2targetMax	int(11)	SpO2targetMax
SpO2targetChanged	enum('NO','YES')	SpO2targetChanged
SpO2alarmMin	int(11)	SpO2alarmMin
SpO2alarmMax	int(11)	SpO2alarmMax
	enum('Unit routine','Frequent	
A-FiO2SpO2Reason	desaturation episodes','Weaning from oxygen','Other')	A FiO2SpO2Boason
A-FIOZSPOZNEASOII	enum('Poor','Moderate','Good','V	A-FiO2SpO2Reason
A-FiO2SpO2Opinion	ery good')	A-FiO2SpO2Opinion
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	enum('Frequent	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	persistent','Frequent but not	
A-FiO2SpO2alarmsOpinion	persistent','Infrequent','Rare')	A-FiO2SpO2alarmsOpinion
weaningDate	datetime	weaningDate
weaningFiO2	int(11)	weaningFiO2
supportAfterWeaning_Oxygen	enum('NO','YES')	supAfterWean_Oxygen
supportAfterWeaning_NCPAP	enum('NO','YES')	supAfterWean_NCPAP
supportAfterWeaning_NIPPV	enum('NO','YES')	supAfterWean_NIPPV
supportAfterWeaning_otherInvasive	enum('NO','YES')	supAfterWean_otherInvasive
	enum('Death','At	
	home','Transferred to other	
outcomes Day 28	hosptial','Still on board')	outcomesDay28
	enum('Death','At	
autaamaa Diaabang -	home','Transferred to other	autaamaaDiaak - ::
outcomesDischarge	hospital')	outcomesDischarge
dischargeDate	date	dischargeDate
end Of Support Date	datetime	endOfSupportDate

ROP	enum('0','l','ll','lll','lV')	ROP
ROPlaser	enum('NO','YES')	ROPlaser
	enum('No','Mild','Moderate','Seve	
BPD	re','NoData')	BPD
PDA	enum('NO','YES','NoData')	PDA
	enum('Medical','Surgical','No	
PDA_treatment	treatment')	PDA_treatment
	enum('No','Below	
IVH	III','III','IV','NoData')	IVH
insClio	datetime	insClio
modifClio	datetime	modifClio
modifIdOsoba	varchar(15)	modifIdOsoba
fkldOsoba	varchar(15)	fkIdOsoba
lockRecord	tinyint(1)	lockRecord