

Lægelig Videreuddannelse, AUH  
Årsmøde på Sabro Kro 13.09.19  
Lise Brogaard MD, PhD

**Video og high-performance teams**

**midt**  
Regional Hospital Horsens

AARHUS UNIVERSITY  
Faculty of Health,  
Aarhus University

Aarhus University Hospital

1

**Video til høj performance i sportens verden**

2

**Bedre performance ved analyse af suboptimale forløb**

Volume 118, Supplement 1, March 2011

**BJOG**  
An International Journal of  
Obstetrics and Gynaecology

Saving Mothers' Lives

Reviewing maternal deaths to make  
motherhood safer: 2006–2008

3

**200 år fra single player til team player**

**1.** Two Hundred years of surgery. Gawande A. NEJM 2015  
**2.** The incidence and nature of surgical adverse events in Colorado and Utah. Surgery 1999

4

### Video til høj performance team (sundhedsprofessionelle)

0022-5223(198810)28:4;1-0/0002(88)0  
The Journal of Trauma  
Copyright © 1988 by The Williams & Wilkins Co.

Vol. 28, No. 4  
Printed in U.S.A.

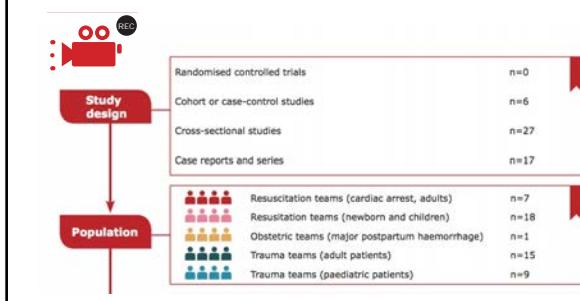
#### **Video Recording Trauma Resuscitations: An Effective Teaching Technique**

DAVID B. HOYT, M.D., STEVEN R. SHACKFORD, M.D.,  
PEGGY HOLLINGSWORTH FRIDLAND, R.N., ROBERT C. MACKERSIE, M.D.,  
JOHN F. HANSBROUGH, M.D., THOMAS L. WACHTEL, M.D.\*; AND JOHN B. FORTUNE, M.D.†



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### Real-life video af akutte teams



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### Video og patienterne



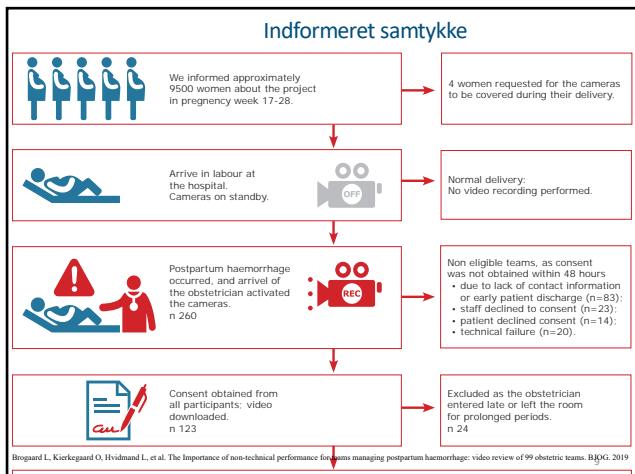
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### Lov og etik

1. Dansk straffelov § 264a
2. Etiske hensyn
3. Data tilsynet
4. Din arbejdsgiver



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## Udvikling af checklist til klinisk performance

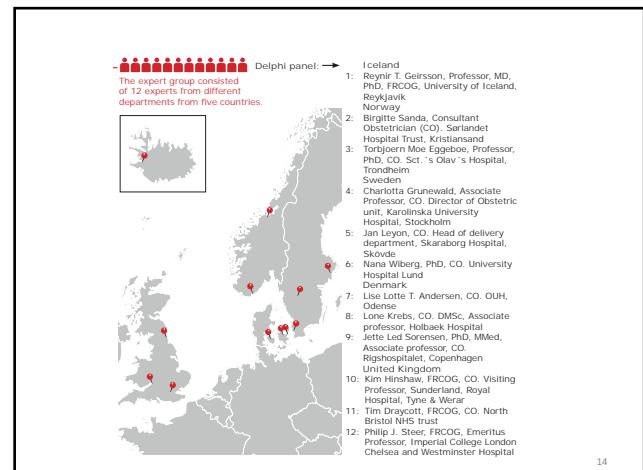


AOGS ORIGINAL RESEARCH ARTICLE

### Development of the TeamOBS-PPH – targeting clinical performance in postpartum hemorrhage

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<sup>1</sup>Department of Obstetrics and Gynecology, Regional Hospital, Horsens, <sup>2</sup>Department of Obstetrics and Gynecology, Aarhus University Hospital, Skejby, Denmark, <sup>3</sup>Department of Obstetrics and Gynecology, Sunderland Royal Hospital, Sunderland, UK, <sup>4</sup>Institute for Patient Safety, Faculty of Medicine, University Hospital Bonn, Bonn, Germany, <sup>5</sup>Center for Health Sciences Education, INCUBA Science Park, Skejby, Denmark, <sup>6</sup>Center for Advanced Pediatric and Perinatal Education, Stanford University, Palo Alto, CA, and <sup>7</sup>Department of Obstetrics and Gynecology, School of Medicine, Stanford University, Palo Alto, CA, USA

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## Development of checklist

Evaluation of clinical performance in management of postpartum hemorrhage									
Category	Item	TeamOBS-PPH tool							
		1	2	3	4	5	6	7	8
Prevention	1.1. Assessing risk of postpartum hemorrhage	☒	☒	☒	☒	☒	☒	☒	☒
Prevention	1.2. Pre-emptive measures	☒	☒	☒	☒	☒	☒	☒	☒
Prevention	1.3. Early detection	☒	☒	☒	☒	☒	☒	☒	☒
Prevention	1.4. Early intervention	☒	☒	☒	☒	☒	☒	☒	☒
Prevention	1.5. Emergency preparedness	☒	☒	☒	☒	☒	☒	☒	☒
Management	2.1. Assessing risk of postpartum hemorrhage	☒	☒	☒	☒	☒	☒	☒	☒
Management	2.2. Pre-emptive measures	☒	☒	☒	☒	☒	☒	☒	☒
Management	2.3. Early detection	☒	☒	☒	☒	☒	☒	☒	☒
Management	2.4. Early intervention	☒	☒	☒	☒	☒	☒	☒	☒
Management	2.5. Emergency preparedness	☒	☒	☒	☒	☒	☒	☒	☒
Teamwork	3.1. Assessing risk of postpartum hemorrhage	☒	☒	☒	☒	☒	☒	☒	☒
Teamwork	3.2. Pre-emptive measures	☒	☒	☒	☒	☒	☒	☒	☒
Teamwork	3.3. Early detection	☒	☒	☒	☒	☒	☒	☒	☒
Teamwork	3.4. Early intervention	☒	☒	☒	☒	☒	☒	☒	☒
Teamwork	3.5. Emergency preparedness	☒	☒	☒	☒	☒	☒	☒	☒
Communication	4.1. Assessing risk of postpartum hemorrhage	☒	☒	☒	☒	☒	☒	☒	☒
Communication	4.2. Pre-emptive measures	☒	☒	☒	☒	☒	☒	☒	☒
Communication	4.3. Early detection	☒	☒	☒	☒	☒	☒	☒	☒
Communication	4.4. Early intervention	☒	☒	☒	☒	☒	☒	☒	☒
Communication	4.5. Emergency preparedness	☒	☒	☒	☒	☒	☒	☒	☒
TeamOBS-PPH tool	5.1. Overall safety results	☒	☒	☒	☒	☒	☒	☒	☒
TeamOBS-PPH tool	5.2. Overall safety results	☒	☒	☒	☒	☒	☒	☒	☒

TEAM  
OBS  
  
TeamOBS-PPH app

Brogard L, Hvidman L, Hinshaw K, et al. Development of the TeamOBS-PPH – targeting clinical performance in postpartum hemorrhage. *Acta Obstet Gynecol Scand*. 2018;97(6):15

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TEAM | OBS

Implementer din checkliste i hverdagen

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### Forskning i Human Factor



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### De ikke-tekniske færdigheder



1. Human error in anaesthetic mishaps. Gaba D. 1989. International Anesthesiology Clinics  
2. Preventing anesthesia accidents. Cooper J, Gaba D 1990. Anesthesiology  
3. Crisisresource management to improve patient safety Rall M, Diekmann P 2005

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### Checklister til evaluering af ikke-tekniske færdigheder

#### SYSTEMATIC REVIEW

## Observer-based tools for non-technical skills assessment in simulated and real clinical environments in healthcare: a systematic review

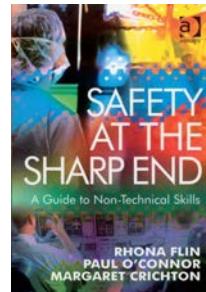
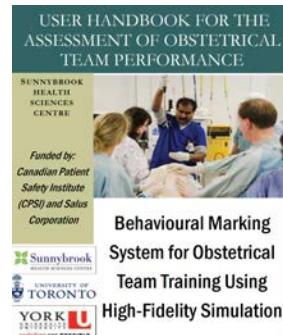
Helen Higham,<sup>②①</sup> Paul R Greig,<sup>①</sup> John Rutherford,<sup>②</sup> Laura Vincent,<sup>①</sup> Duncan Young,<sup>①</sup> Charles Vincent<sup>③</sup>

1. Uddrag af artiklen i jeres handouts.

Only one slide presented to 10 different students

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### Forståelse af de elementer der scores.



1. Uddrag af reskabet GAOTP jeres handouts.

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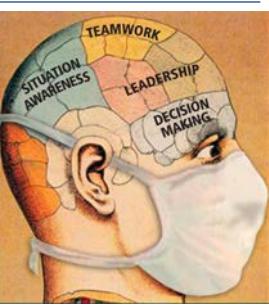
### Forståelse af de elementer der scores.

	1	5
3. Teamwork	<p>There is no obvious team leader or leader is autocratic; and the leadership approach limits open exchange; team members not engaged in decision making; poor communication; unclear roles and responsibilities; roles not quickly established; team members do not monitor each others performance or provide feedback on improvement</p>	<p>Leader identified and encourages participation and identifies opportunities for improvement; roles and responsibilities are clear; roles and responsibilities trust one another demonstrated among team members; team members monitor each others performance and provide feedback</p>

1. Uddrag af reskabet GAOTP jeres handouts.

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### Video klip – eksempel scorer vi ikke-tekniske færdigheder

f. The Non-technical skills for surgeons System Handbook. Flin et al 2006  
2. Safety at the sharp end. Flin R. 2006

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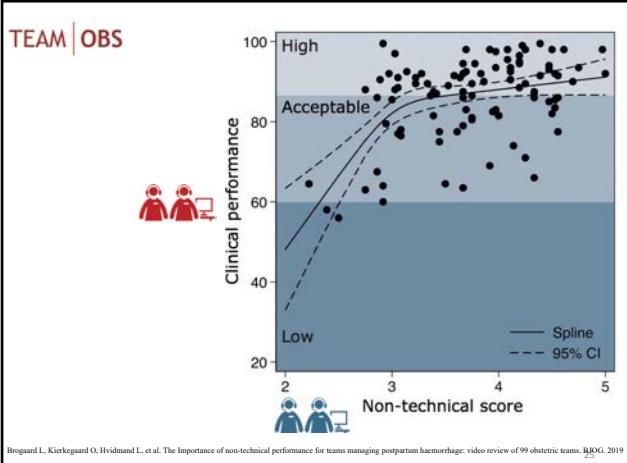
### Forståelse af de elementer der scores.



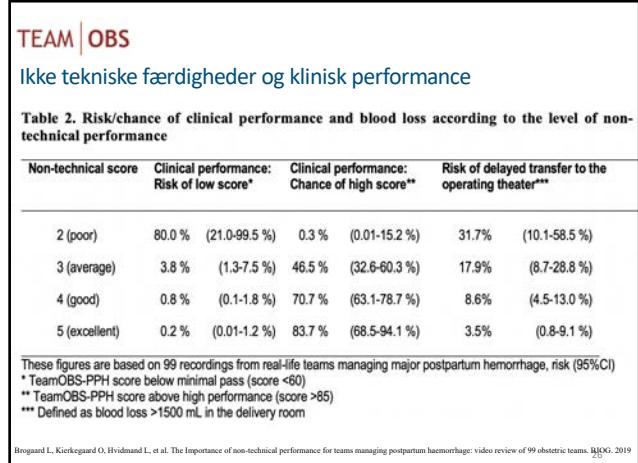
### The importance of non-technical performance for teams managing postpartum haemorrhage: video review of 99 obstetric teams

L Brogaard,<sup>a</sup> O Kierkegaard,<sup>a</sup> L Hvidman,<sup>b</sup> KR Jensen,<sup>a</sup> P Musaeus,<sup>c</sup> N Uldbjerg,<sup>b</sup> T Manser<sup>d</sup>  
<sup>a</sup> Department of Obstetrics and Gynaecology, Regional Hospital in Horsens, Horsens, Denmark. <sup>b</sup> Department of Obstetrics and Gynaecology, Aarhus University Hospital, Aarhus, Denmark. <sup>c</sup> Centre for Health Sciences Education, INCUVA Science Park, Aarhus, Denmark. <sup>d</sup> School of Applied Psychology, University of Applied Sciences and Arts Northwestern Switzerland, Altan, Switzerland.  
Correspondence: L Brogaard, Department of Obstetrics and Gynaecology, Regional Hospital in Horsens, Sundvej 30, 8700 Horsens, Denmark.  
Email: brogaard@hvad.eu

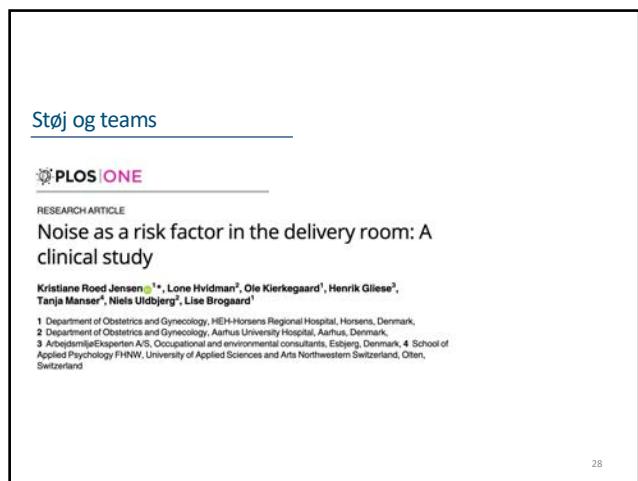
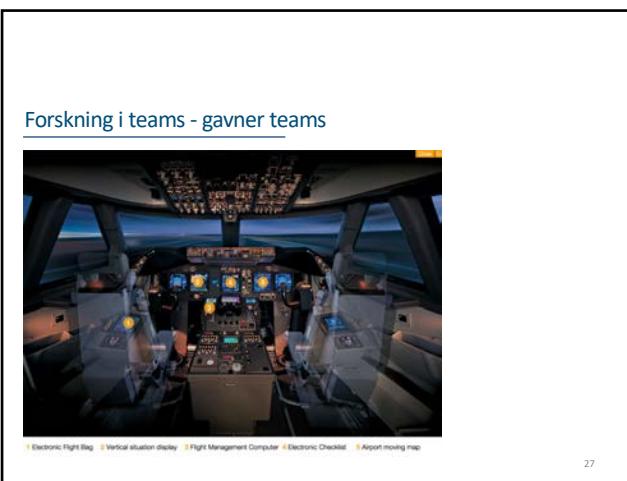
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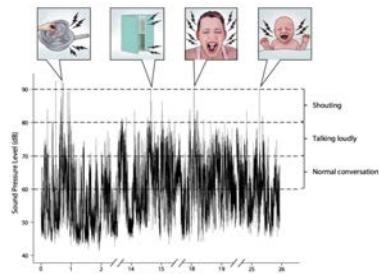


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Støj og teams

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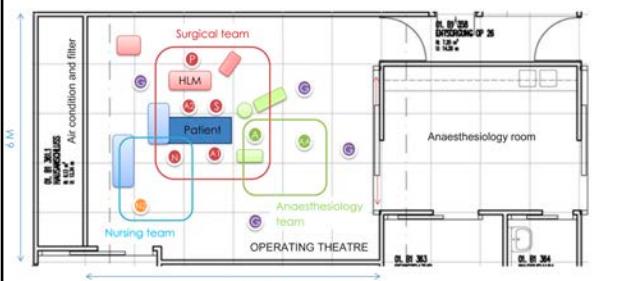
Støj og teams

	High clinical performance*		
	n	Risk %	(95%CI)
No	23	91.3	(72.0 - 98.9)
Yes	73	58.9**	(46.8 - 70.3)

\*TeamOBS-PPH score ≥85%

\*\* p value &lt;0.001

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Teamsamarbejde og kommunikation

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Tak for opmærksomheden.

Symbol på veloverstået arbejde og nu kaffe pause

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## Debriefing efter teamtræning

Grund model:

- 1. Sæt rammen:** Eks.. Vi har nu 40 min til.
- 2. Reaktionsfase:** Følelser og Facts.
- 3. Forstå:** Gå i dybden med emner der bliver nævnt i reaktionsfasen (spørgeteknik forskellig)
- 4. Resume:** take-home massage.



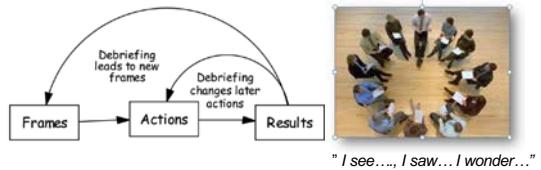
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## Debriefing efter teamtræning

### CONCEPTS AND COMMENTARY

There's No Such Thing as "Nonjudgmental" Debriefing: A Theory and Method for Debriefing with Good Judgment

Jenny W. Rudolph, PhD, Robert Simon, EdD, Ronald L. Dufresne, MS, and Daniel B. Raemer, PhD



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## Debriefing efter teamtræning

- "Hvad skete der?
- "Hvilke handlinger førte til det?"
- "Hvordan påvirkede det patienten?
- "Hvad kan vi gøre for at det sker igen/ undgå det sker igen?"



- Ingen følelser
- Kun fakta
- Professionel debrefing

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