

The Glasgow-Blatchford score in upper GI bleeding

- 1. I don't know what you are talking about
- 2. I know what it is but never use it
- 3. I use it from time to time
- 4. I use it on a regular basis



BSGI

Case: Male 57 y/o

- Emergency Saturday afternoon:
 - Nausea, vomiting (clear and then bloody)
- PMH:
 - Arterial hypertension
 - Discal hernia surgery
- Treatment: NSAID



BSGIE

Physical Examination / biology

- BP: 140/90 mmHg
- HR: 85/min
- Physical exam normal
- Hb 15.7g/dl; BUN 17mg/dl; creat N, normal coagulation, plt N, liver tests N



BSGIE

Call of the gastroenterologist for gastroscopy

What is your attitude?

- 1. The clinical story is not in favor of a severe bleeding. It can wait monday.
- 2. The patient presented with hematemesis: I need to come for a gastroscopy immediately
- 3. I need to calculate the GBS to decide



SGIE

Gastroscopy

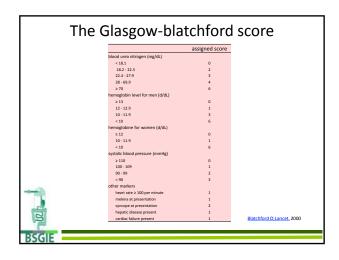
- Black blood in the stomach
- Congestion of the cardia (no visible vessel / no clot)
- vessel / no clot)
 Grade A esophagitis

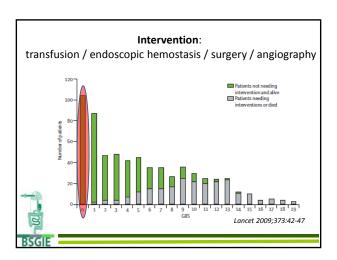
-> non severe Mallory-Weiss syndrome

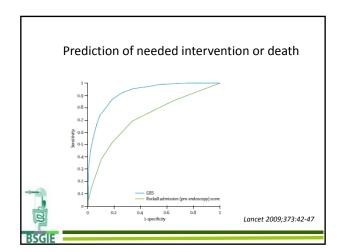
R/ PPI 40mg/d

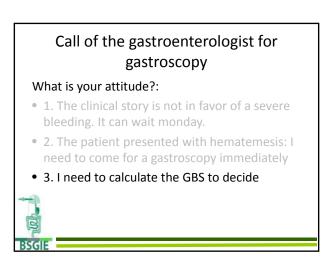


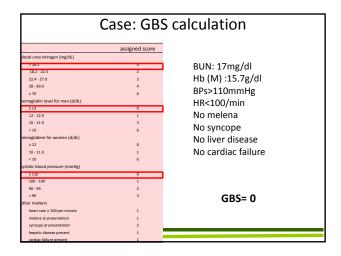


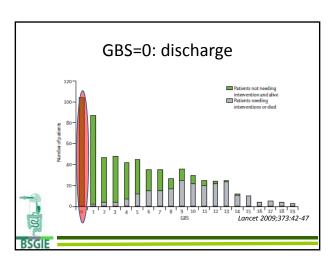












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GBS: literature

- 28 studies (2010-2016) on GBS validation
- 13/28: original criteria (selection/outcome)
- 5/28: studies in continental Europe (NL/Swiss)
- Validated cut-off for discharge: 0-2
- AUROC: 0.86-0.94 to predict need for intervention or death



BSGIE

year	first author	country	type of enrollment	total patients	mean age (years)	cut-off value	AUC	sensitivity (%)	specificity (%)	weaknesses
2000	Blatchford	Scotland	prospective	197	62.4	0	0.92	99.0	32.0	patients excluded if variceal bleeding
2007	Chen	Taiwan	retrospective	354	61,6	0	NM	99.6	25.0	patients excluded if did not undergo endoscopy or if suffered from bleeding esophageal varices
2007	Masaoka	Japan	retrospective	93	61,4	0	NM	100.0	4.3	patients excluded if did not undergo endoscopy
						2		100.0	13.0	
						3		98.6	21.7	
2011	Jansen	The Netherlands	retrospective	103	65.7	0	0.943	100.0	12.0	
						2		100.0	51.0	
2012	Cheng	USA	prospective	199	56.0	0	0.860	NM	NM	patients excluded if did not undergo endoscopy
2013	Wang	Taiwan	prospective	303	64.3	0	0.808	100.0	3.41	patients excluded if did not undergo endoscopy
2014	de Groot	The Netherlands	prospective	1001	65.0	1	0.860	99.4	13.5	patients excluded if did not undergo endoscopy
2015	Aquarius	The Netherlands	prospective	520	71	2	0.86	99.4	42	
2015	Nayer	Belgium	retrospective	257	62,9	4	0.923	100.0	32.8	

Study proposal

- Prospective multicentric validation of the GBS in Belgium
- Limited time registry period (3-6 months)
- All upper GI bleeding admitted to Emergency department
- Creation of a scientific commitee
 (BSGIE board / members Emergency department representatives / BESEDIM)



BSGIE

Glasgow-Blatchford score in upper GI bleeding

- 1. I won't use it in the future
- 2. I will use it in the future
- 3. I am not convinced of its usefulness
- 4. Before using the GBS I would like to participate in the study