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GASTROINTESTINAL BLEED STUDY

National Confidential Enquiry into Patient Outcome and Death (NCEPOD)
Advisor Assessment Form (AF)

NCEPOD questionnaire number ☐☐☐☐☐☐

INSTRUCTIONS FOR COMPLETION

Please complete all questions with either block capitals or a bold cross inside the boxes provided. If you make a mistake, please "black-out" the box and re-enter the correct information. Unless indicated, please mark only one box per question.

A. PATIENT DETAILS

1. Age at time of admission ☐☐☐ years

2. Gender ☐ Male ☐ Female

3. Weight ☐☐☐ kg OR ☐☐ st ☐☐ lb ☐ Not recorded

4. Height ☐☐☐ cm OR ☐ ft ☐☐ in ☐ Not recorded

5. BMI ☐☐ ☐ Not recorded

B. ADMISSION/GI BLEED PRESENTATION

6. Time and date of arrival to hospital: Time: ☐☐ ☐☐ (h h m m) Date: ☐☐ ☐☐ ☐☐ (d d m m y y) ☐ Not recorded

7. Time and date of admission to first ward: Time: ☐☐ ☐☐ (h h m m) Date: ☐☐ ☐☐ ☐☐ (d d m m y y) ☐ Not recorded

8. Was the admission ☐ Non elective ☐ Elective ☐ Not recorded

9. What was the mode of admission?

- ☐ Via the Emergency Department
- ☐ Following outpatients/telephone consultation
- ☐ Direct from a GP
- ☐ Hospital transfer
- ☐ Other ☐
- ☐ Not recorded

10a. If transferred for management of their GI Bleed what was the reason for the inter-hospital transfer

- ☐ Oesophago-Gastro-Duodenoscopy
- ☐ Specialist GI/hepatologist care
- ☐ HDU or ICU bed
- ☐ Interventional Radiology for
  - ☐ Transjugular Intrahepatic Portal Systemic Shunt (TIPS)
  - ☐ Embolisation
- ☐ Specialist surgical input
- ☐ Palliative care
- ☐ Other ☐
- ☐ Not documented

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10b. In your opinion was the transfer timely? ☐ Yes ☐ No ☐ Not applicable

10c. If NO please expand on your answer?

11a. Was a transfer note included in the case notes? ☐ Yes ☐ No ☐ Not applicable

11b. If YES, in your opinion does it contain adequate information regarding the patients GI bleed? ☐ Yes ☐ No

11c. If NO please expand on your answer?

12a. What grade of doctor admitted the patient? ☐ Not documented

12b. What specialty of doctor admitted the patient? ☐ Not documented

12c. Was there a timely senior review for this patient? ☐ Yes ☐ No ☐ Unknown

12d. In No please give details?

13a. From the case notes, can you identify when the first consultant review was undertaken? ☐ Yes ☐ No

13b. If YES, in your opinion was this review sufficiently prompt for the patient's condition? ☐ Yes ☐ No

14a. Did the patient present to this hospital with a GI bleed? ☐ Yes ☐ No

14b. If No what was the patient's primary diagnosis on admission?

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14c. What was the date and time of presentation with the inpatient GI bleed?

Date ☐☐ ☐☐ ☐☐ (d d / m m / y y) Time ☐☐ ☐☐ (h h / m m)

14d. In your opinion was there any delay in recognising the patient's GI bleed? ☐ Yes ☐ No

14e. If yes please expand on your answer?

14f. What type of ward was the patient on when they presented with their inpatient GI bleed?

Specialty ☐ ☐ Unknown Level ☐ 0/1 ☐ 2 ☐ 3 ☐ Unknown

15a. Which team managed the patient on admission with GI bleed or at the time of inpatient GI bleed?

- ☐ General medical
- ☐ General surgical
- ☐ Care of the elderly
- ☐ Other ☐ Please specify
- ☐ GI bleeding team/gastroenterology
- ☐ Hepatology
- ☐ Critical/intensive care medicine
- ☐ Emergency medicine

15b. Was the patient's care transferred to another team for the mangement of the GI bleed? ☐ Yes ☐ No ☐ unknown

15c. If Yes, which team took over the care?

- ☐ General medical/Acute medicine
- ☐ General surgical/GI surgery
- ☐ Other ☐ Please specify
- ☐ GI bleeding team/gastroenterology
- ☐ Hepatology
- ☐ Critical/intensive care medicine
- ☐ Care of the elderly

15d. In your opinion was there a delay in referring the patient to the GI bleed team? ☐ Yes ☐ No ☐ unknown ☐ Not applicable

If Yes please expand on your answer

15e. In your opinion was there a delay in handover of care to the GI bleed team? ☐ Yes ☐ No ☐ unknown

If Yes please expand on your answer

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16. Which of the following medication was the patient documented as being on prior to their GI bleed?

- ☐ Aspirin
- ☐ Warfarin
- ☐ Clopidogrel
- ☐ Prasugrel
- ☐ Ticagrelor
- ☐ Heparin/low molecular weight heparin - prophylactic dose
- ☐ COX II inhibitor
- ☐ Proton pump inhibitor
- ☐ NSAID
- ☐ Oral anticoagulants
- ☐ H2 antagonists
- ☐ Heparin/low molecular weight heparin - treatment dose
- ☐ Apaxiban
- ☐ Dabigatran
- ☐ Steroids
- ☐ SSRIs
- ☐ Misoprostil
- ☐ Bisphosphonate (oral)
- ☐ Other

17a. Which of the following medication were documented as being stopped post GI bleed?

- ☐ Aspirin
- ☐ Warfarin
- ☐ Clopidogrel
- ☐ Prasugrel
- ☐ Ticagrelor
- ☐ Heparin/low molecular weight heparin - prophylactic dose
- ☐ COX II inhibitor
- ☐ Proton pump inhibitor
- ☐ NSAID
- ☐ Oral anticoagulants
- ☐ H2 antagonists
- ☐ Heparin/low molecular weight heparin - treatment dose
- ☐ Apixaban
- ☐ Dabigatran
- ☐ Steroids
- ☐ SSRIs
- ☐ Misoprostil
- ☐ Bisphosphonate (oral)
- ☐ Other

17b. In your opinion was this appropriate? ☐ Yes ☐ No

If No please expand on your answer?

17c. Was any medication continued that you feel should have been stopped? ☐ Yes ☐ No

If Yes please expand on your answer?

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18a. If Anticoagulants were stopped should an IVC filter have been considered? ☐ Yes ☐ No ☐ Not applicable

18b. If Yes was one inserted? ☐ Yes ☐ No ☐ Unknown

18c. If one was inserted was this done in a reasonable time frame? ☐ Yes ☐ No ☐ Unknown

19a. Which of the following investigations were documented as being undertaken at the time GI bleed was suspected? (please tick all that apply)

☐ Clotting screen ☐ Urea and electrolytes ☐ Group and save

☐ Full blood count ☐ Liver function tests ☐ Cross-match

19b. Were any of the above investigations omitted that you feel were necessary at the time the GI bleed was suspected? ☐ Yes ☐ No

19c. If Yes please expand on your answer?

20a. What was the INR/PT and Hb at the time of GI bleed?

INR ☐.☐ ☐ Unknown PT ☐☐ sec Hb ☐☐☐ g/L

20b. Date and time of these measurements? ☐☐ d d ☐☐ m m ☐☐☐☐ y y y y ☐☐ h h ☐☐ m m

20c. If the INR/PT was prolonged, what measures were taken to correct it?

☐ Vitamin K ☐ Factor VIIA ☐ None

☐ Fresh Frozen Plasma ☐ Prothrombin complex concentrate (Beriplex, Octaplex)

☐ Cryoprecipitate ☐ Other

20d. In your opinion was this appropriate? ☐ Yes ☐ No

If No please expand on your answer?

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21a. Which of the following treatments were started post GI bleed but prior to endoscopy? (please tick all that apply)

- ☐ Terlipressin
- ☐ Octreotide
- ☐ Antibiotics
- ☐ Proton pump inhibitor ☐ oral ☐ IV
- ☐ Factor V11a
- ☐ H2 antagonists ☐ oral ☐ IV
- ☐ Vitamin k
- ☐ Tranexamic acid
- ☐ Sengstaken, Linton or similar tube
- ☐ Prokinetics (metoclopramide, domperidone)
- ☐ Other

21b. In your opinion were any treatments omitted? ☐ Yes ☐ No ☐ Unknown

21c. If Yes which?

22a. Was an initial risk assessment score calculated and documented for the patient prior to endoscopy? ☐ Yes ☐ No ☐ Unknown

22b. If yes what risk assessment scoring system was used and what was the score?
(please tick all that apply)

- ☐ Blatchford
- ☐ Addenbrookes
- ☐ MELD
- ☐ Pre-endoscopy Rockall score
- ☐ Child Pugh
- ☐ Other

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23a. Please indicate the number of units of red blood cells, fresh frozen plasma (FFP) and platelets the patient received during the different time frames below (if none please put a 0).

Time from GI bleed presentation	Red blood cells	FFP	Platelets	Other (please specify)	Other (please specify)
< 3 hours					
3 - 6 hours					
6 - 12 hours					
12 - 24 hours					
24 - 48 hours					
48 - 72 hours					
> 72 hours					

23b. In your opinion was the above appropriate? ☐ Yes ☐ No ☐ Unknown

23c. Please expand on your answer (for Yes and NO)

23d. Was IV access adequate for resuscitation? ☐ Yes ☐ No ☐ Unknown

23e. If No please expand on your answer

THIS QUESTION WILL NEED ANSWERING AFTER SUBSEQUENT SECTIONS

23f. In your opinion could any aspect of the patient's management been improved to reduce the use of blood products ? ☐ Yes ☐ No

23g. If Yes was this due to ☐ Delay in intervention ☐ Inappropriate procedure

☐ Other

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D. ENDOSCOPY

24a. Did the patient undergo an OGD? ☐ Yes ☐ No

24b. If No, in your opinion was this an appropriate decision ? ☐ Yes ☐ No

Please expand on your answer

If the patient had multiple OGDs, please answer the following questions with respect to the first OGD. The supplement pages can be used for subsequent OGDs.

25. Please state the date and time of the OGD

Date ☐☐ ☐☐ ☐☐☐☐ (d d / m m / y y y y) ☐ Unknown Time ☐☐ ☐☐ (h h / m m) ☐ Unknown

26a. In your opinion was the length of time from GI bleed presentation to OGD reasonable for this patient's condition? ☐ Yes ☐ No ☐ Unknown

26b. If No is it possible to identify a reason for the delay? ☐ Yes ☐ No

26c. If Yes is what was this?

☐ No suitably skilled endoscopist available
☐ Waiting for anaesthetic support
☐ Patient was being stabilised
☐ In hospital transfer (portering)
☐ Delays in mobilsation of endoscopy team
☐ Inter hospital transfer
☐ Other

27a. Where was the OGD undertaken?

☐ ITU (level 3) ☐ HDU (level 2) ☐ Theatre ☐ Endoscopy unit ☐ Ward
☐ Emergency department

27b. What was the grade of the endoscopist?

☐ Consultant
☐ Senior trainee supervised by consultant (unscrubbed)
☐ Unknown
☐ Senior trainee (SpR or fellow) supervised by consultant (scrubbed)
☐ Senior trainee performed alone

28a. Was the OGD carried out under general anaesthetic? ☐ Yes ☐ No ☐ Unknown

If YES, please go to question 33

29b. If No, was the patient sedated? ☐ Yes ☐ No ☐ Unknown

29c. Was reversal with Flumazenil required? ☐ Yes ☐ No ☐ Unknown

29d. Was Naloxone required? ☐ Yes ☐ No ☐ Unknown

29e. In your opinion, was the dose of sedation appropriate? ☐ Yes ☐ No ☐ Unknown

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29f. If No, please give details?

30. Was the patient intubated? ☐ Yes ☐ No ☐ Unknown

31. Was an anaesthetist present during the procedure? ☐ Yes ☐ No ☐ Unknown

32a. In your opinion, was the level of monitoring appropriate? ☐ Yes ☐ No ☐ Insufficient data

32b. If NO, please give details

33. What were the findings of the endoscopy? (Please tick all that apply)

☐ Variceal bleeding (please go to question 34)

☐ Upper GI bleeding but cause obscured by blood (please go to question 44)

☐ Non variceal bleeding (please go to question 39)

☐ No upper GI bleeding found (please go to question 44)

Variceal Bleed

34. Did the patient have ☐ Oesophageal varices ☐ Gastric varices ☐ Other varices (please specify)

☐ Unknown

35a. What endoscopic therapy was used?

☐ Band ligation

☐ Glue

☐ Other

☐ Sclerotherapy

☐ Sengstaken, Linton or similar tube

☐ None

35b. In your opinion, was this appropriate? ☐ Yes ☐ No ☐ Insufficient data

Please expand on your answer

35c. If the patient did not receive therapy at the time of this endoscopy, is it documented why this was? ☐ Yes ☐ No ☐ Insufficient data

If Yes what was the reason?

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36a. What drugs were started/continued at the time of diagnosis of variceal bleed?

- ☐ Terlipressin - total duration in days ☐☐
- ☐ Antibiotics total duration in days ☐☐
- ☐ Octreotide- total duration in days ☐☐
- ☐ Other [ ] total duration in days ☐☐
- ☐ Insuffcent data to answer this

36b. In your opinion was this appropriate? ☐ Yes ☐ No

37. Was haemostasis achieved by this endoscopy? ☐ Yes ☐ No

38a. Was there a documented treatment plan should a re-bleed occur? ☐ Yes ☐ No

38b. If Yes in your opinion was it appropriate? ☐ Yes ☐ No

38c. If No please expand on your answer?

Non variceal bleeding

39a. What endoscopic therapy was used? (please tick all that apply)

- ☐ Adrenaline
- ☐ Fibrin/thrombin
- ☐ Mechanical (clips)
- ☐ Coagulation therapy (eg. heater probe, gold probe, argon plasma laser)
- ☐ Hemospray
- ☐ Other [ ]
- ☐ Sclerotherapy
- ☐ None

39b. In your opinion, was this appropriate? ☐ Yes ☐ No ☐ Insufficient data

Please expand on your answer

40a. If the patient did not receive therapy at the time of this endoscopy, is it documented why this was? ☐ Yes ☐ No ☐ Insufficient data

If Yes what was the reason?

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41a. Were acid suppression drugs started post non variceal bleed?

☐ Yes - started ☐ Yes - already on them
☐ No ☐ Unknown

41b. If yes what was used and for how long?

☐ Proton pump inhibitor ☐ oral ☐ IV ☐☐ days

☐ H2 Antagonist ☐ oral ☐ IV ☐☐ days

42a. Was there any delay in commencing acid suppression?

☐ Yes ☐ No ☐ Insufficient data

If Yes please expand on your answer

43a. Was there a documented treatment plan should a re-bleed occur?

☐ Yes ☐ No

43b. If Yes in your opinion was it appropriate?

☐ Yes ☐ No

43c. If No please expand on your answer?

All patients who underwent an OGD

44a. In your opinion was the documentation of the OGD procedure adequate?

☐ Yes ☐ No

44b. If No what details were missing?

45a. Was another OGD documented as being planned?

☐ Yes ☐ No ☐ Unknown

45b. If yes was it performed?

☐ Yes ☐ No ☐ Unknown

45c. What was the reason for another OGD?

46. Total number of OGDs during this admission? ☐☐

Please complete a supplementary sheet for each additional OGD

47a. Did the patient suffer any complications of OGD?

☐ Yes ☐ No ☐ Unknown

47b. If Yes please specify?

☐ Gastric perforation ☐ Duodenal perforation ☐ Oesophageal perforation

☐ Exacerbation of bleeding ☐ Other

48a. How would you grade the endoscopic management of the patients GI Bleed?

☐ Good ☐ Poor
☐ Adequate ☐ Unacceptable

48b. Please provide a reason for your grade

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E. COLONOSCOPY/FLEXI SIGMOIDOSCOPY

49a. Did the patient undergo a colonoscopy or flexi sigmoidoscopy ? ☐ Yes ☐ No

49b. If No, in your opinion was this an appropriate decision? ☐ Yes ☐ No

49c. Please state the date and time of the colonoscopy

Date ☐☐ ☐☐ ☐☐ (d d / m m / y y) ☐ Unknown Time ☐☐ ☐☐ (h h / m m) ☐ Unknown

50a. In your opinion was the length of time from GI bleed presentation to colonoscopy reasonable for this patient's condition? ☐ Yes ☐ No ☐ Unknown

50b. If No is it possible to identify a reason for the delay? ☐ Yes ☐ No

50c. If Yes what was this?

- ☐ No suitably skilled endoscopist available
- ☐ Waiting for anaesthetic support
- ☐ Patient was being stabilised
- ☐ In hospital transfer (portering)
- ☐ Delays in mobilsation of endoscopy team
- ☐ Inter hospital transfer
- ☐ Other

51. What was the grade of the endoscopist?

- ☐ Consultant
- ☐ Senior trainee supervised by consultant (unscrubbed)
- ☐ Unknown
- ☐ Senior trainee (SpR or fellow) supervised by consultant (scrubbed)
- ☐ Senior trainee performed alone

52a. Was the bleeding site identified? ☐ Yes ☐ No ☐ Unknown

52b. Was therapy applied? ☐ Yes ☐ No ☐ Unknown

52c. If Yes, what therapy did the patient receive?

52d. In your opinion was this appropriate? ☐ Yes ☐ No

53. Was haemostasis achieved at the time of colonoscopy? ☐ Yes ☐ No ☐ Unknown

54a. Did the patient suffer any complications of colonoscopy? ☐ Yes ☐ No ☐ Unknown

54b. If Yes, what complications?

55. How would you grade the colonoscopic management of the patients GI Bleed? ☐ Good ☐ Poor ☐ Adequate ☐ Unacceptable

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F. INTERVENTIONAL RADIOLOGY

56a. Did the patient undergo interventional radiology? ☐ Yes ☐ No

56b. If No, in your opinion was this an appropriate decision? ☐ Yes ☐ No

56c. If No, please expand on your answer

57a. What was the reason for interventional radiology (please tickmall that apply)?

- ☐ Haemostasis not achieved endoscopically - endoscopic clips applied to help target IR ☐ Yes ☐ No
- ☐ Diagnosis on CTA
  - ☐ Activer upper GIB ☐ Active lower GIB ☐ Varices ☐ Pseudoaneurysm ☐ Other
  - Please specify site of bleed
- ☐ Haemodynamically unstable, no bleeding on CTA
- ☐ Haemodynamically unstable, CTA not performed ☐ CTA not available ☐ clinical decision
- ☐ Transjugular Intrahepatic Portal Systemic Shunt (TIPS) for variceal bleeding
- ☐ Post surgical bleeding
- ☐ Post sphincterotomy bleeding
- ☐ Other

58a. What was the date and time when IR was considered?

Date d d m m y y Time h h m m ☐ Unknown

58b. What was the date and time when IR was performed?

Date d d m m y y Time h h m m ☐ Unknown

58c. In your opinion was this an acceptable time frame? ☐ Yes ☐ No ☐ Unknown

58d. If No, is it possible to determine the reason for the delay? ☐ Yes ☐ No

If Yes, what was the reason for delay?

- ☐ No suitably skilled interventional radiologist available
- ☐ Waiting for anaesthetic support
- ☐ Patient was being stabilised
- ☐ In hospital transfer (portering)
- ☐ Delays in mobilsation of IR team
- ☐ Inter hospital transfer
- ☐ Other

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59. What was the grade of the Interventional radiologist?

- ☐ Consultant
- ☐ Senior trainee supervised by consultant (unscrubbed)
- ☐ not documented
- ☐ Senior trainee (SpR or fellow) supervised by consultant (scrubbed)
- ☐ Senior trainee performed alone

60. Was ☐ general ☐ local anaesthetic or ☐ sedation used? ☐ Unknown

61. Who monitored the patient during the IR procedure?

- ☐ Anaesthetist
- ☐ Clinical team nurse/doctor
- ☐ IR nurse/doctor additional to procedure team
- ☐ IR procedure team (one scrubbed radiologist, one scrubbed nurse and radiographer)
- ☐ ITU team
- ☐ Not documented

62a. In your opinion, was the level of monitoring appropriate? ☐ Yes ☐ No ☐ Insufficient data

62b. If NO, please give details

63a. Did the patient receive IR therapy? ☐ Yes ☐ No ☐ Unknown

63b. If No is it documented why this was? ☐ Yes ☐ No ☐ Insufficient data

64a. Did the patient undergo TIPS? ☐ Yes ☐ No (go to question xx)

64b. If Yes is it documented what was used? ☐ Yes ☐ No

If Yes what and how many? ☐ Stent graft ☐☐ number ☐ Stent ☐☐ number

64c. Pre-TIPS portosystemic gradient ☐☐ mmHg ☐ not documented

64d. Post-TIPS portosystemic gradient ☐☐ mmHg ☐ not documented

65. Did the patient receive adjunctive embolisation therapy? ☐ Yes ☐ No (go to question xx)

If Yes please complete embolisation questions

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64a. Did the patient receive embolisation therapy? ☐ Yes ☐ No (go to question)

64b. If Yes what was the reason for embolisation?

☐ Active bleeding
☐ empirical (no angiographic abnormality, clinically most likely site treated)
☐ Angiographic lesion suspicion for bleeding site
☐ site of endoscopic clips

64c. What was the site of embolisation?

☐ Left gastric artery
☐ Pancreaticoduodenal
☐ Middle colic
☐ Right gastric artery
☐ Jejunal/ileal
☐ Left colic
☐ Gastroduodenal
☐ Right colic
☐ Sigmoid
☐ Other
☐ Not documented

64d. What was used?

☐ Coils
☐ Gelfoam/spongestan
☐ Thrombin
☐ Onyx
☐ Glue
☐ Stent grafts
☐ Particles (PVA or spheres)
☐ Other

64e. In your opinion was this appropriate? ☐ Yes ☐ No

64f. If No p[lease expand on your answer

65a. Was the IR procedure technically successful? ☐ Yes ☐ No

65b. Was haemostasis achieved with IR? ☐ Yes ☐ No

66a. Was there a documented treatment plan should a re-bleed or technical failure occur? ☐ Yes ☐ No

66b. If Yes which of the following were included (please tick all that apply)?

☐ Redo IR (more extensive)
☐ Surgery
☐ End of life care/palliative
☐ Other

67a. Did the patient suffer any complications of Interventional Radiology? ☐ Yes ☐ No

67b. If Yes please tick all that apply?

☐ Non target embolisation /arterial damage
☐ Contrast allergy
☐ Access site complications
☐ Intestinal necrosis /perforation
☐ Contrast nephropathy
☐ Other

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67c. If Yes in your opinion were the complications recognised and managed appropriately? ☐ Yes ☐ No ☐ Unknown

68a. Was the documentation of the IR procedure adequate? ☐ Yes ☐ No

68b. If No what details were missing?

69. How would you grade the IR management of the patients GI Bleed? ☐ Good ☐ Poor ☐ Adequate ☐ Unacceptable

Please provide a reason for your grade

If the patient underwent further IR please complete suplementary pages for each additional IR procedure

G. SURGERY

70a. Was surgery undertaken for the control of bleeding? ☐ Yes ☐ No

70b. If No in your opinion was this an appropriate decision? ☐ Yes ☐ No

If No please expand on your answer

71a. Was the reason for surgery documented? ☐ Yes ☐ No

71b. If Yes please tick all that apply?

- ☐ Suspected malignancy
- ☐ Suspected peritonitis or perforation
- ☐ Bleeding despite maximal endoscopic therapy
- ☐ Bleeding despite maximal IR therapy
- ☐ IR not available in this hospital IH
- ☐ IR not available in this hospital OOH
- ☐ Unfit for transfer for IR
- ☐ Other

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72a. Did the patient undergo IR prior to surgery? ☐ Yes ☐ No

72b. If No is there evidence in the notes that IR was considered? ☐ Yes ☐ No

72c. Is there evidence in the notes that the case was discussed with an interventional radiologist? ☐ Yes ☐ No

73a. In your opinion was the patient optimally resuscitated prior to surgery? ☐ Yes ☐ No

73b. If No please give reasons for your answer?

74a. What was the date and time when the patient was referred for surgery?

Date ☐☐ ☐☐ ☐☐ (d d / m m / y y) ☐ Unknown Time ☐☐ ☐☐ (h h / m m) ☐ Unknown

74b. What was the date and time when surgery was performed?

Date ☐☐ ☐☐ ☐☐ (d d / m m / y y) ☐ Unknown Time ☐☐ ☐☐ (h h / m m) ☐ Unknown

74c. In your opinion was this an acceptable time frame? ☐ Yes ☐ No ☐ Unknown

74d. If No, was the reason for the delay documented? ☐ Yes ☐ No

74e. If Yes, what was the reason for the delay?

- ☐ No suitably skilled surgeon available
- ☐ Waiting for anaesthetic support
- ☐ Patient was being stabilised
- ☐ In hospital transfer (portering)
- ☐ Delays in mobilsation of surgical team
- ☐ Inter hospital transfer
- ☐ Other

75a. What was the grade of the primary surgeon?

- ☐ Consultant
- ☐ Senior trainee supervised by consultant (unscrubbed)
- ☐ Not documented
- ☐ Senior trainee (SpR or fellow) supervised by consultant (scrubbed)
- ☐ Senior trainee performed alone

75b. What was the specialty of the primary surgeon?

76. What was the grade of the anaesthetist anaesthetising the patient?

- ☐ Consultant
- ☐ Senior trainee performed alone
- ☐ Senior trainee (SpR or fellow) supervised by consultant
- ☐ Not documented

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77a. What surgical procedure was performed?

77b. In your opinion was this an appropriate procedure for the patient? ☐ Yes ☐ No ☐ Unknown

77c. If No please expand on your answer?

77d. If patient had a bleeding DU was 3 point suture ligation performed? ☐ Yes ☐ No ☐ Unknown

78. Was a vagotomy performed? ☐ Yes ☐ No ☐ Unknown

79. Was a resection performed for a gastric ulcer? ☐ Yes ☐ No ☐ Not applicable

80a. What drugs were started/continued at the time of surgery

☐ Antibiotics - total duration in days ☐☐ ☐ Number of days unknown

☐ PPI regime - total duration in days ☐☐ ☐ Number of days unknown

please specify PPI regime ☐ PPI regime unknown

80b. In your opinion was this adequate for the patient? ☐ Yes ☐ No ☐ Unknown

81a. Was documentation of the patients surgical procedure adequate? ☐ Yes ☐ No ☐ Unknown

81b. If No please expand on your answer?

82a. To what location did the patient go post recovery? ☐ Not documented

82b. In your opinion was this appropriate? ☐ Yes ☐ No ☐ Unknown

83a. Was the surgical procedure technically successful? ☐ Yes ☐ No ☐ Unknown

83b. Was haemostasis achieved with the surgical procedure? ☐ Yes ☐ No ☐ Unknown

84a. Was there a documented treatment plan should a re-bleed or technical failure occur? ☐ Yes ☐ No

84b. If yes what was it?

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85a. Did the patient suffer any post-operative complications after this surgery? ☐ Yes ☐ No

85b. If Yes please tick all that apply?

☐ Return to theatre ☐ Sepsis ☐ Wound infection

☐ Wound dehiscence ☐ Duodenal leak ☐ Duodenal fistula

☐ Intra-abdominal abscess ☐ Rebleed ☐ Other

86a. Did the patient undergo further surgical procedures for treatment of their GI bleed? ☐ Yes ☐ No

86b. If Yes please provide details of the surgery(s) in the box below

87. How would you grade the surgical management of the patients GI Bleed? ☐ Good ☐ Poor ☐ Adequate ☐ Unacceptable

Please provide a reason for your grade?

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H. COMPLICATIONS

88a. Did the patient suffer a rebleed? ☐ Yes ☐ No

88b. If Yes how many rebleeds? ☐☐

88c. If Yes to 88a what was done (please tick all that apply?

- ☐ Therapeutic endoscopy
- ☐ Conservative manangement
- ☐ IR
- ☐ End of life care/palliative
- ☐ Surgery
- ☐ Other

89a. Did the patient receive an escalation in care post GI bleed? ☐ Yes ☐ No

89b. If No in your opinion should they have? ☐ Yes ☐ No

89c. If Yes to 89b why was an escalation in care required?

90a. Did the patient suffer any post GI bleed complications? ☐ Yes ☐ No

90b. If Yes which of the following complications (please tick all that apply)?

- ☐ Pneumonia
- ☐ Renal failure
- ☐ Significant cardiac event
- ☐ PE
- ☐ Liver failure
- ☐ DVT
- ☐ Stroke/TIA/CVA
- ☐ Hospital Acquired Infection
- ☐ Hepatic failure
- ☐ Other

90c. If the patient suffered post GI bleed complications, in your opinion were any avoidable? ☐ Yes ☐ No

90d. If Yes to please expand on your answer?

90e. If the patient suffered post GI bleed complications, in your opinion were they managed appropriately? ☐ Yes ☐ No

90f. If No please expand on your answer?

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I. DISCHARGE

91. What was the date of discharge or death? ☐☐ ☐☐ ☐☐☐☐ ☐ Unknown
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92. What was the discharge location?

☐ Discharged to previous place of residence ☐ Not applicable, patient died during this admission

☐ Discharged to other hospital ☐ Other

93a. Were further investigations concerning the patients GI bleed planned for a subsequent appointment? ☐ Yes ☐ No ☐ Unknown

93b. If yes what?

93c. If No do you think further investigation of the patient's GI bleed should have been planned? ☐ Yes ☐ No ☐ Unknown

93b. If yes please expand on your answer?

Please answer the following questions if the patient died during this admission

94a. In your opinion was death avoidable during this admission? ☐ Yes ☐ No ☐ Unknown

94b. If YES, please expand on your answer

95a. Was treatment limited or withdrawn? ☐ Yes ☐ No

95b. In your opinion was this appropriate? ☐ Yes ☐ No

95c. If NO, please expand on your answer

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OVERALL ASSESSMENT OF CARE

96. Overall assessment of care for this patient (please select one category only)

- ☐ Good practice: a standard of care you would expect from yourself, your trainees and your institution
- ☐ Room for improvement: aspects of CLINICAL care that could have been better
- ☐ Room for improvement: aspects of ORGANISATIONAL care that could have been better
- ☐ Room for improvement: ASPECTS OF CLINICAL AND ORGANISATIONAL care that could have been better
- ☐ Less than satisfactory: several aspects of CLINICAL AND/OR ORGANISATIONAL care that were well below a standard you would expect from yourself, your trainees and institution
- ☐ Insufficient data

Please provide reasons for your grade

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