



GASTROINTESTINAL BLEED STUDY

National Confidential Enquiry into Patient Outcome and Death (NCEPOD)

CLINICAL QUESTIONNAIRE

CONFIDENTIAL

DETAILS OF THE CLINICIAN COMPLETING THIS QUESTIONNAIRE

Grade: _____

Specialty: _____

What is this study about?

NCEPOD are undertaking a study to explore remediable factors in the processes of care of patients, aged 16 or over, who suffer a gastrointestinal bleed (GIB). Both upper and lower GI bleeds are included in the study.

Inclusions

Patients aged 16 years or older are included in the study if all of the following apply:

- 1) Admitted to hospital between 1st January 2013 and 30th April 2013 inclusive
- 2) Diagnosed with a GI bleed on/or during the admission
- 3) Received 4 or more units of blood during the admission

CPD accreditation:

Consultants who complete NCEPOD questionnaires make a valuable contribution to the investigation of patient care. Completion of questionnaires also provides an opportunity for consultants to review their clinical management and undertake a period of personal reflection. These activities have a continuing medical and professional development value for individual consultants. Consequently, NCEPOD recommends that consultants who complete NCEPOD questionnaires keep a record of this activity which can be included as evidence of internal/self directed Continuous Professional Development in their appraisal portfolio.

If you (the clinician completing the questionnaire) would like email confirmation of the completion of this questionnaire for your records, please clearly supply your email address below.

How to complete the form:

Information will be collected using two methods; box cross and free text, where your opinion will be requested.

This form will be electronically scanned. Please use a black or blue pen. Please complete all questions with either block capitals or a bold cross inside the boxes provided e.g.

Did the patient undergo an OGD?

Yes No

If you make a mistake, please "black-out" the incorrect box and re-enter the correct information, e.g.

Yes No

Questions or help?

If you have any queries about this study or this questionnaire, please contact

gih@ncepod.org.uk

Or telephone: 020 7251 9060

Thank you for taking the time to complete this questionnaire. The findings of the study will be published in June 2015.

NCEPOD number:



4 1 1 8 3 5 4 5 3 6 8 0 2

**A. CASE SUMMARY**

1. What type of GI bleed presentation was this?

Acute admission with overt GI bleeding

GI bleeding in established inpatient

2. What type of GI bleed did the patient have?

Non variceal upper GI bleed

Variceal upper GI bleed

Lower GI bleed

Other (please specify)

3. Please use the box below to provide a brief summary of this case, adding any comments or information you feel relevant. You may also type on a separate sheet.

NCEPOD attaches great importance to this summary. Please give as much information as possible about the care of this patient.

B. PATIENT DETAILS

4. Age at time of admission

years

5. Gender

Male

Female

6a. Weight

kg

OR

st

lb

Unknown

6b. BMI



- 7a. Had the patient had a previous admission for a GI bleed? Yes No
- 7b. If Yes when was their most recent GI bleed prior to this hospital admission? Unknown
d d m m y y
- 7c. What type of GI bleed did the patient have on the previous admission?
- Non variceal upper GI bleed Variceal upper GI bleed Lower GI bleed
- Other (please specify) Unknown

- 8a. Did the patient have any comorbid conditions? Yes No
- 8b. If Yes please tick all that apply.
- Alcohol excess Current smoker Hypertension
- Current cancer treatment Stroke/TIA/carotid surgery Pancreatitis
- Angina/previous myocardial infarction Haemodialysis/peritoneal dialysis Cirrhosis
- COPD/Asthma Mechanical heart valve PE/DVT
- Trauma Burns Atrial fibrillation
- Chronic kidney disease (grade 3-5) Other (please specify)

C. ADMISSION/GI BLEED PRESENTATION

9. Date of admission: Time of admission:
d d m m y y h h m m

10a. Was this admission Non-elective Elective

10b. What was the mode of admission?

- Via the Emergency department Hospital transfer
- Following outpatients/telephone consultation Other
- Direct from a GP Unknown (please specify)

If the patient WAS NOT transferred from another hospital please go to Q11

10c. If the patient was a hospital transfer, was this for management of their GI bleed? Yes No
(please specify reason for transfer)

10d. If Yes what was the main reason for the inter hospital transfer?

- Oesophago-Gastro-Duodenoscopy Specialist surgical input
- Specialist GI/hepatologist care Palliative care
- HDU or ICU bed Other
- Interventional Radiology for CTA
- Transjugular Intrahepatic Portal Systemic Shunt (TIPS)
- Embolisation





10e. Were any problems/delays encountered with the transfer? Yes No

10f. If Yes please provide details.

11a. What was the specialty of the first admitting clinician on the ward/unit? Please enter specialty code from the list on the back page Unknown

11b. What was the grade of the first admitting clinician? Please enter grade code from the list on the back page Unknown

11c. To what location was the patient first admitted?

- | | |
|--|--|
| <input type="checkbox"/> General medical ward | <input type="checkbox"/> Hepatology ward |
| <input type="checkbox"/> Medical assessment/admissions unit | <input type="checkbox"/> GI bleed unit/designated GI bleed bed |
| <input type="checkbox"/> General surgical ward | <input type="checkbox"/> High dependency unit (level 2 care) |
| <input type="checkbox"/> Surgical assessment/admissions unit | <input type="checkbox"/> Intensive care unit (level 3 care) |
| <input type="checkbox"/> Gastroenterology ward | <input type="checkbox"/> Other <input type="text"/> |
| <input type="checkbox"/> Emergency department | <small>(Please specify)</small> |

12a. Did the patient present to this hospital with a GI bleed? Yes No

12b. If Yes what was the time since onset of GI bleed symptoms?
(time since patient first noticed symptoms at home relative to presentation at hospital)

- < 3 hours 3 - 6 hours 6 - 12 hours 12 - 24 hours > 24 hours Unknown

If the patient presented to hospital with a GI bleed please go to question 14

12c. If an inpatient GI bleed, what was the patient's primary diagnosis on admission?

12d. When did the patient first have symptoms suggestive of a GI bleed?

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

12e. When was the GI bleed diagnosed?

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

12f. In your opinion was there any delay in recognising the patient's GI bleed? Yes No

12g. If Yes please expand on your answer

12h. What type of ward was the patient on when they presented with their inpatient GI bleed?





17c. What was the specialty of the registrar?

Please enter specialty code from the list on the back page

17d. What was the date of the first consultant review post GI bleed?

d d m m y y

Unknown

17e. What was the time of this review?

h h m m

Unknown

17f. What was the specialty of the consultant?

Please enter specialty code from the list on the back page

18a. Which of the following medication was the patient on prior to their GI bleed?

- | | | |
|---|--|---|
| <input type="checkbox"/> Aspirin | <input type="checkbox"/> COX II inhibitor | <input type="checkbox"/> Apixaban |
| <input type="checkbox"/> Warfarin | <input type="checkbox"/> Proton pump inhibitor | <input type="checkbox"/> Dabigatran |
| <input type="checkbox"/> Clopidogrel | <input type="checkbox"/> NSAID | <input type="checkbox"/> Steroids (oral and IV) |
| <input type="checkbox"/> Prasugrel | <input type="checkbox"/> Other oral anticoagulants | <input type="checkbox"/> SSRIs |
| <input type="checkbox"/> Ticagrelor | <input type="checkbox"/> H ₂ antagonists | <input type="checkbox"/> Misoprostil |
| <input type="checkbox"/> Heparin/low molecular weight heparin - prophylactic dose | <input type="checkbox"/> Heparin/low molecular weight heparin - treatment dose | <input type="checkbox"/> Bisphosphonate (oral) |
| <input type="checkbox"/> Other (please specify) | <input type="text"/> | |

18b. Which of the following medication were stopped post GI bleed?

- | | | |
|---|--|---|
| <input type="checkbox"/> Aspirin | <input type="checkbox"/> COX II inhibitor | <input type="checkbox"/> Apixaban |
| <input type="checkbox"/> Warfarin | <input type="checkbox"/> Proton pump inhibitor | <input type="checkbox"/> Dabigatran |
| <input type="checkbox"/> Clopidogrel | <input type="checkbox"/> NSAID | <input type="checkbox"/> Steroids (oral and IV) |
| <input type="checkbox"/> Prasugrel | <input type="checkbox"/> Other oral anticoagulants | <input type="checkbox"/> SSRIs |
| <input type="checkbox"/> Ticagrelor | <input type="checkbox"/> H ₂ antagonists | <input type="checkbox"/> Misoprostil |
| <input type="checkbox"/> Heparin/low molecular weight heparin - prophylactic dose | <input type="checkbox"/> Heparin/low molecular weight heparin - treatment dose | <input type="checkbox"/> Bisphosphonate (oral) |
| <input type="checkbox"/> Other (please specify) | <input type="text"/> | |

18c. Was the decision to stop any medication discussed with the specialty that started it?

- Yes - All Yes - But not all
 None discussed Not applicable as none stopped

18d. Which weren't discussed and why was this?





24a. Was an initial risk assessment score calculated for the patient prior to endoscopy? Yes No Unknown

24b. If yes what risk assessment scoring system was used and what was the score?
(please tick all that apply)

- Blatchford Pre-endoscopy Rockall score
- Addenbrookes Child-Pugh score
- MELD Other (please specify)

24c. Did the risk assessment score impact the patient's management? Yes No Unknown

24d. If Yes how?

24e. Was a post endoscopy full Rockall score calculated for the patient? Yes No Unknown

24f. If Yes what was the full Rockall score?

25a. What was the lowest haemoglobin measurement post GI bleed ? g/L

25b. When was this recorded?

d d m m y y h h m m

26a. 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	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>
3 - 6 hours	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>
6 - 12 hours	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>
12 - 24 hours	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>
24 - 48 hours	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>
48 - 72 hours	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>
> 72 hours	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>	<input style="width: 40px; height: 20px; border: 1px solid black;" type="text"/>

26b. Was the major blood transfusion protocol activated? Yes No Unknown

26c. If No in your opinion should it have been activated Yes No Unknown



27. How was the site of the GI bleed localised (please indicate all investigations undertaken to LOCALISE the GI bleed, numbering them in the order they were carried out)? If the bleed site could not be localised please still indicate which investigations were undertaken.

Procedure undertaken (please tick all that apply)	Order undertaken (please indicate the order, 1,2 3 etc)	Bleeding site identified (Y/N)	Date and time of procedure			
<input type="checkbox"/> Oesophago-gastro duodenoscopy (OGD)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/> d d	<input type="text"/> <input type="text"/> m m	<input type="text"/> <input type="text"/> h h	<input type="text"/> <input type="text"/> m m
<input type="checkbox"/> CT angiography	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/> d d	<input type="text"/> <input type="text"/> m m	<input type="text"/> <input type="text"/> h h	<input type="text"/> <input type="text"/> m m
<input type="checkbox"/> Catheter angiography (if performed diagnostically)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/> d d	<input type="text"/> <input type="text"/> m m	<input type="text"/> <input type="text"/> h h	<input type="text"/> <input type="text"/> m m
<input type="checkbox"/> Colonoscopy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/> d d	<input type="text"/> <input type="text"/> m m	<input type="text"/> <input type="text"/> h h	<input type="text"/> <input type="text"/> m m
<input type="checkbox"/> Flexible sigmoidoscopy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/> d d	<input type="text"/> <input type="text"/> m m	<input type="text"/> <input type="text"/> h h	<input type="text"/> <input type="text"/> m m
<input type="checkbox"/> Scintigraphy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/> d d	<input type="text"/> <input type="text"/> m m	<input type="text"/> <input type="text"/> h h	<input type="text"/> <input type="text"/> m m
<input type="checkbox"/> Capsule endoscopy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/> d d	<input type="text"/> <input type="text"/> m m	<input type="text"/> <input type="text"/> h h	<input type="text"/> <input type="text"/> m m
<input type="checkbox"/> Rigid sigmoidoscopy / proctoscopy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/> d d	<input type="text"/> <input type="text"/> m m	<input type="text"/> <input type="text"/> h h	<input type="text"/> <input type="text"/> m m
<input type="checkbox"/> At surgery by intra-op endoscopy of small or large bowel, or OGD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/> d d	<input type="text"/> <input type="text"/> m m	<input type="text"/> <input type="text"/> h h	<input type="text"/> <input type="text"/> m m
<input type="checkbox"/> <input style="width: 150px; height: 15px;" type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/> d d	<input type="text"/> <input type="text"/> m m	<input type="text"/> <input type="text"/> h h	<input type="text"/> <input type="text"/> m m
<input type="checkbox"/> <input style="width: 150px; height: 15px;" type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/> d d	<input type="text"/> <input type="text"/> m m	<input type="text"/> <input type="text"/> h h	<input type="text"/> <input type="text"/> m m
<input type="checkbox"/> <input style="width: 150px; height: 15px;" type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/> <input type="text"/> d d	<input type="text"/> <input type="text"/> m m	<input type="text"/> <input type="text"/> h h	<input type="text"/> <input type="text"/> m m

NB If additional investigations (e.g. a 2nd OGD) were undertaken please write in the boxes above

28a. Was the site of bleeding identified? Yes No

28b. If Yes what was it?

28c. Was the cause of bleeding identified? Yes No

28d. If yes what was it?



**D. ENDOSCOPY**

29a. Did the patient undergo an OGD? Yes No

29b. If No, what were the reasons for this decision? **Please then go to question 47**

29c. If Yes what was the length of time between the first documentation of suspected bleeding and discussion with the endoscopy team? hours minutes Unknown

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

30a. Please state the date and time of the first OGD during this admission

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

30b. In your opinion was this an acceptable time frame? Yes No Unknown

30c. If No, what was the reason for the delay?

- | | |
|--|--|
| <input type="checkbox"/> No suitably skilled endoscopist available | <input type="checkbox"/> Waiting for anaesthetic team to manage patient during OGD |
| <input type="checkbox"/> Patient being resuscitated in level 1 bed | <input type="checkbox"/> Patient transferred to level 2/3 bed for resuscitation |
| <input type="checkbox"/> Delays in mobilisation of endoscopy team | <input type="checkbox"/> In hospital transfer (portering) |
| <input type="checkbox"/> Awaiting free theatre/endoscopy suite | <input type="checkbox"/> Inter hospital transfer |

Other

(Please specify)

31a. What was the grade of the endoscopist?

- | | |
|---|---|
| <input type="checkbox"/> Consultant | <input type="checkbox"/> Senior trainee indirectly supervised by consultant |
| <input type="checkbox"/> Senior trainee (SpR or fellow) directly supervised by consultant | <input type="checkbox"/> Senior trainee performed alone |

31b. Was a trainee assisting? Yes No Unknown

31c. Where was the OGD undertaken?

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

31d. Was the OGD carried out under: Conscious sedation No sedation Unconscious sedation General anaesthesia

31e. Was the patient intubated? Yes No





32a. Was sedation undertaken by an anaesthetist? Yes No

32b. If No, was sedation undertaken by the endoscopist? Yes No

32c. If YES to 32b, who undertook the monitoring? (please specify) Unknown

32d. What monitoring was used? (Please tick all that apply)

Pulse oximeter Blood pressure ECG Pulse

Other (please specify)

32e. In your opinion was documentation of monitoring adequate? Yes No

33. What was the highest pulse rate and lowest systolic BP and O₂sats 2 hours pre- and during OGD?

Pre - OGD pulse bpm systolic BP mm Hg O₂ %

During OGD pulse bpm systolic BP mm Hg O₂ %

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

- Variceal bleeding (please go to question 35) 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

35a. Did the patient have Oesophageal varices Gastric varices Other varices (please specify)

35b. What endoscopic therapy was used?

- Band ligation Sclerotherapy
- Glue Sengstaken, Linton or similar tube
- Other None
- (please specify)

35c. If the patient did not receive therapy at the time of the initial endoscopy why was this?





36. 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

Tranexamic acid, duration in days

Other

total duration in days

(please specify)

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 which of the following were included?

Redo OGD CTA Surgery End of life care/palliative

IR Other (please sepcify)

Non variceal bleeding

39. Which of the following were used? (please tick all that apply)

Adrenaline

Fibrin/thrombin

Mechanical (clips)

Coagulation therapy (eg. heater probe, gold probe, argon plasma laser)

Other

Sclerotherapy

40a. Were acid suppression drugs started post non variceal bleed? Yes No

40b. If yes what was used and for how long?

Proton pump inhibitor oral IV days

H₂ Antagonist oral IV days

41. Was Tranexamic acid started? Yes No If Yes how long was it used for? days

42a. Were their any stigmata of recent haemorrhage? Yes No

42b. If yes, what were the stigmata of recent haemorrhage (please tick all that apply)?

Active bleeding - arterial or oozing

Fresh blood in upper GI tract

Adherent clot
Clot washed off Yes No

Clean ulcer base

Non-bleeding visible vessel

Dark slough or spots on ulcer base





43a. Was haemostasis achieved by this OGD? Yes No

43b. Was there a documented treatment plan should a re-bleed occur? Yes No

43c. If Yes which of the following were included (Please tick all that apply?)

- Redo OGD treatment Surgery End of life care/palliative
 IR CTA Other
(please specify)

All patients who underwent an OGD

44a. Was another OGD planned? Yes No

44b. If yes was it performed? Yes No

44c. What was the reason for another OGD?

45. Total number of OGDs during this admission?

Please complete a supplementary sheet for each additional OGD

46a. Did the patient suffer any complications of OGD? Yes No Unknown

46b. If Yes please specify (Please tick all that apply?)

- Gastric perforation Duodenal perforation Need to use reversal agent (naloxone, flumazenil)
 Oesophageal perforation Exacerbation of bleeding Chest aspiration
 Other (please specify)

Please use the space below to expand on any answers given in the endoscopy section



**E. COLONOSCOPY**

47a. Did the patient undergo a colonoscopy? Yes No (please go to question 52)

47b. Please state the date and time of the colonoscopy

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

48a. What was the grade of the endoscopist?

Consultant Senior trainee (SpR or fellow) indirectly supervised by consultant Unknown
 Senior trainee (SpR or fellow) directly supervised by consultant Senior trainee performed alone

48b. Was a trainee assisting? Yes No Unknown

49a. Was the bleeding site identified? Yes No

49b. Was therapy applied? Yes No

49c. If Yes, what therapy did the patient receive?

50a. Was haemostasis achieved at the time of colonoscopy? Yes No Unknown

50b. Did the patient suffer any complications of colonoscopy? Yes No Unknown

50c. If Yes, what complications?

51a. Did the patient undergo further colonoscopies? Yes No

51b. If Yes why?





54a. What was the grade of the Interventional radiologist?

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

54b. Was a trainee assisting? Yes No Unknown

55a. Was general local anaesthetic or sedation used? (please tick all that apply)

55b. If more than one answer is ticked please expand on this

56. What was the highest pulse rate, lowest systolic BP and lowest O₂ saturation 2 hours pre- and during the IR procedure?

Pre - IR pulse bpm systolic BP mm Hg O₂ %
 During IR pulse bpm systolic BP mm Hg O₂ %

57a. Who monitored the patient during the IR procedure?

- Anaesthetist
 Clinical team nurse/doctor
 IR nurse/doctor additional to procedure team
 IR procedure team
 ITU team
 Not documented

(one scrubbed radiologist, one scrubbed nurse and radiographer)

57b. In your opinion was documentation of monitoring adequate? Yes No Unknown

58a. Did the patient receive IR therapy? Yes No

58b. If No why not?

59a. Did the patient undergo TIPS? Yes No (please go to question 61)

59b. If Yes what and how many were used?
 Stent graft number
 Stent number

59c. Pre-TIPS portosystemic gradient mmHg

59d. Post-TIPS portosystemic gradient mmHg

60. Did the patient receive adjunctive embolisation therapy? Yes No (please go to question 62)

If Yes please complete embolisation questions





61a. Did the patient receive embolisation therapy? Yes No (go to question 62)

61b. 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

61c. What was the site of embolisation?

- Left gastric artery Pancreaticoduodenal Middle colic
- Right gastric artery Jejunal/ileal Left colic
- Gastroduodenal Right colic Sigmoid
- Other (please specify)

61d. What was used (please tick all that apply)?

- Coils Gelfoam/spongistan Thrombin Onyx
- Glue Stent grafts Particles (PVA or spheres) Other

Please complete the following questions for all patients that underwent an IR procedure

62. Was the IR procedure technically successful? Yes No

63. Was haemostasis achieved with IR? Yes No

64a. Was there a documented treatment plan should a re-bleed or technical failure occur? Yes No

64b. If Yes which of the following were included (please tick all that apply)?

- Redo IR (more extensive treatment) Surgery
- End of life care/palliative OGD
- Other (please specify)

65. Did the patient suffer any complications of Interventional Radiology? Yes No

- Non target embolisation /arterial damage Contrast allergy Access site complications
- Intestinal necrosis /perforation Contrast nephropathy / Acute Kidney Injury
- Other (please specify)



**G. SURGERY**

66a. Was surgery undertaken for the control of bleeding? Yes No (please go to question 80)

66b. If Yes what was the reason for surgery (please tick all that apply)?

- | | |
|--|--|
| <input type="checkbox"/> Suspected malignancy | <input type="checkbox"/> IR not available in this hospital IH |
| <input type="checkbox"/> Suspected peritonitis or perforation | <input type="checkbox"/> IR not available in this hospital OOH |
| <input type="checkbox"/> Bleeding despite maximal endoscopic therapy | <input type="checkbox"/> Unfit for transfer for IR |
| <input type="checkbox"/> Bleeding despite maximal IR therapy | <input type="checkbox"/> Other <input type="text"/> |
- (please specify)

67a. Was radiological intervention considered prior to surgery? Yes No

67b. Was the case discussed with an Interventional radiologist? Yes No

68a. In your opinion was the patient optimally resuscitated prior to surgery? Yes No

68b. If No please give reasons for your answer?

68c. Was a pre-op risk assessment performed? Yes No

68d. If Yes what?

69a. What was the date and time when surgery was considered?

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

69b. What was the date and time when surgery was performed?

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

69c. In your opinion was this an acceptable time frame? Yes No Unknown

69d. If No, what was the reason for the delay?

- | | |
|--|---|
| <input type="checkbox"/> No suitably skilled surgeon available | <input type="checkbox"/> Waiting for anaesthetic support |
| <input type="checkbox"/> Patient was being stabilised | <input type="checkbox"/> In hospital transfer (portering) |
| <input type="checkbox"/> Delays in mobilisation of surgical team | <input type="checkbox"/> Inter hospital transfer |

Other

(please specify)





70a. What was the grade of the primary surgeon?

Consultant

Senior trainee (SpR or fellow) supervised by consultant (scrubbed)

Senior trainee supervised by consultant (unscrubbed)

Senior trainee performed alone

Unknown

70b. Was a trainee assisting?

Yes

No

Unknown

70c. What was the specialty of the primary surgeon?

Please enter the specialty code from the list on the back page

Unknown

70d. What was the sub-specialty interest of the primary surgeon?

Please enter the specialty code from the list on the back page

Unknown

70e. If the primary surgeon was not a consultant, what was the sub specialty interest of the supervising consultant?

Please enter the specialty code from the list on the back page

Unknown

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

Consultant

Senior trainee (SpR or fellow) supervised by consultant

Senior trainee performed alone

Unknown

72a. What surgical procedure was performed?

72b. In your opinion was this an appropriate procedure for the patient?

Yes

No

72c. If No please expand on your answer?

73a. What was the highest pulse rate, lowest systolic blood pressure, and lowest O₂ saturation recorded in the 2 hours prior to induction?

Pulse bpm systolic BP mm Hg O₂ %

73b. What was the highest pulse rate, lowest systolic blood pressure, and lowest O₂ saturation recorded during the surgical procedure?

Pulse bpm systolic BP mm Hg O₂ %

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

Antibiotics - total duration in days

PPI regimen - total duration in days

(please specify PPI regimen)





75a. To what location did the patient go immediately post recovery?

- | | |
|--|--|
| <input type="checkbox"/> General medical ward | <input type="checkbox"/> Designated GI bleed unit |
| <input type="checkbox"/> General surgical ward | <input type="checkbox"/> High dependency unit (level 2 care) |
| <input type="checkbox"/> Gastroenterology ward | <input type="checkbox"/> Intensive care unit (level 3 care) |
| <input type="checkbox"/> Hepatology ward | <input type="checkbox"/> Other (please specify) <input type="text"/> |

75b. In your opinion was this appropriate? Yes No

75c. If No why not?

76a. Was the surgical procedure technically successful? Yes No

76b. Was haemostasis achieved with the surgical procedure? Yes No

77a. Was there a documented treatment plan should a re-bleed or technical failure occur? Yes No

77b. If Yes what was the treatment plan?

78a. Did the patient suffer any post-operative complications after this surgery? Yes No

78b. If Yes please tick all that apply?

- | | | |
|--|---|---|
| <input type="checkbox"/> Return to theatre | <input type="checkbox"/> Sepsis | <input type="checkbox"/> Wound infection/dehiscence |
| <input type="checkbox"/> Wound dehiscence | <input type="checkbox"/> Enteric leak/fistula | <input type="checkbox"/> Intra-abdominal abscess |
| <input type="checkbox"/> Re-bleed | <input type="checkbox"/> Other <input type="text"/> | |
- (please specify)

79a. Did the patient undergo further surgical procedures for treatment of their GI bleed? Yes No

79b. If Yes please provide details of the surgery(s) in the box below





H. COMPLICATIONS/ESCALATION IN CARE

80a. Did the patient suffer a re-bleed? Yes No

80b. If Yes how many re-bleeds?

80c. If Yes to 80a, what was done to treat the re-bleed (please tick all that apply)?

- | | |
|--|--|
| <input type="checkbox"/> Therapeutic endoscopy | <input type="checkbox"/> Conservative management |
| <input type="checkbox"/> IR | <input type="checkbox"/> End of life care/palliative |
| <input type="checkbox"/> Surgery | <input type="checkbox"/> Other <input type="text"/> |

81a. Did the patient receive an escalation in care post GI bleed Yes No

81b. Why was an escalation in care required?

82a. What was the total number of days the patient spent on HDU (level 2 care) during this admission? None

82b. What was the total number of days the patient spent on a ICU (level 3 care) during this admission? None

83a. Did the patient suffer any post GI bleed complications? Yes No

83b. If Yes which of the following complications (please tick all that apply)?

- | | |
|--|---|
| <input type="checkbox"/> Pneumonia | <input type="checkbox"/> Renal failure |
| <input type="checkbox"/> Significant cardiac event | <input type="checkbox"/> PE |
| <input type="checkbox"/> Liver failure | <input type="checkbox"/> DVT |
| <input type="checkbox"/> Stroke/TIA/CVA | <input type="checkbox"/> Hospital Acquired Infection <input type="text"/> |
| <input type="checkbox"/> Hepatic failure | |

(please specify)

Other

(please specify)

I. DISCHARGE

84. What was the date of discharge or death? Unknown
d d m m y y y y

85. What was the discharge location?

- | | |
|--|---|
| <input type="checkbox"/> Discharged to previous place of residence | <input type="checkbox"/> Not applicable, patient died during this admission |
| <input type="checkbox"/> Discharged to other hospital | <input type="checkbox"/> Other <input type="text"/> |





86a. Were further investigations concerning the patients GI bleed planned for a subsequent appointment? Yes No Unknown

86b. If Yes what?

86c. In your opinion should the patient have undergone any further investigations, in addition to any detailed in 86b, regarding their GI bleed? Yes No Unknown

86d. If Yes what and why?

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

87. Was death anticipated? Yes No Unknown

88. Was treatment limited or withdrawn? Yes No Unknown

89a. What was the patient's resuscitation status? For resuscitation Not considered
 Not for resuscitation Unknown

89b. Was CPR attempted? Yes No

90. What level ward was the patient on when they died? Please see definitions on back page

Level 0 Level 1 Level 2 Level 3 Unknown

91. What was the cause of death recorded?

1a
 1b
 1c
 2

92. Was this case reported to the coroner? Yes No Unknown

Please return a copy of the coroners report if available

93. Was a hospital or coronial autopsy performed? Yes No Unknown

Please return a copy of the autopsy report if available

94a. Was the death discussed in an M & M meeting? Yes No Unknown

94b. If Yes were remediable factors in the care of this patient identified? Yes No Unknown

94c. If Yes what action was taken?

Thank you for taking the time to complete this questionnaire



CASE NOTES

Please supply photocopies of the following case note extracts with your questionnaire

- All inpatient annotations/medical notes for the patient's admission
- Nursing notes
- ICU/HDU notes
- Operation/procedure notes
- CT and other investigation reports
- Anaesthetic charts
- Observation charts
- Haematology/biochemistry results
- Fluid balance charts
- Blood transfusion records
- Drug charts
- Nutrition/Dietitian notes
- Consent forms
- Discharge letter/summary
- Post Mortem report if applicable



CODES FOR SPECIALTY

SURGICAL SPECIALTIES

100 = General Surgery	107 = Vascular Surgery	161 = Burns Care
101 = Urology	110 = Trauma & Orthopaedics	170 = Cardiothoracic Surgery
103 = Breast Surgery	120 = Ear, Nose & Throat (ENT)	172 = Cardiac Surgery
104 = Colorectal Surgery	130 = Ophthalmology	173 = Thoracic Surgery
105 = Hepatobiliary & Pancreatic Surgery	140 = Oral Surgery	180 = Accident & Emergency
106 = Upper Gastrointestinal Surgery	145 = Maxillo-Facial Surgery	190 = Anaesthetics
	150 = Neurosurgery	192 = Critical/Intensive Care Medicine
	160 = Plastic Surgery	

MEDICAL SPECIALTIES

300 = General Medicine	330 = Dermatology	430 = Geriatric Medicine
301 = Gastroenterology	340 = Respiratory Medicine	500 = Obstetrics & Gynaecology
302 = Endocrinology	350 = Infectious Diseases	501 = Obstetrics
303 = Clinical Haematology	352 = Tropical Medicine	502 = Gynaecology
306 = Hepatology	360 = Genito-Urinary Medicine	800 = Clinical Oncology
307 = Diabetic Medicine	361 = Nephrology	810 = Radiology
314 = Rehabilitation	370 = Medical Oncology	820 = General Pathology
315 = Palliative Medicine	400 = Neurology	823 = Haematology
320 = Cardiology	410 = Rheumatology	

CODES FOR GRADE

01 – Consultant	02 – Staff grade/Associate specialist
03 – Trainee with CCT	04 – Senior specialist trainee (ST3+ or equivalent)
05 – Junior specialist trainee (ST1&ST2 or CT equivalent)	06 – Basic grade (HO/FY1 or SHO/FY2 or equivalent)
07 - Nursing	08 - Physiotherapy
09 - Other	

DEFINITIONS

Levels of ward care

Level 0: Patients whose needs can be met through normal ward care in an acute hospital.

Level 1: Patients at risk of their condition deteriorating, or those recently relocated from higher levels of care whose needs can be met on an acute ward with additional advice and support from the critical care team.

Level 2: (e.g. HDU) Patients requiring more detailed observation or intervention including support for a single failing organ system or post operative care, and those stepping down from higher levels of care. (NB: When Basic Respiratory and Basic Cardiovascular support are provided at the same time during the same critical care spell and no other organ support is required, the care is considered to be Level 2 care).

Level 3: (e.g. ICU) Patients requiring advanced respiratory support alone or basic respiratory support together with support of at least two organs. This level includes all complex patients requiring support for multi-organ failure. (NB: Basic Respiratory and Basic Cardiovascular do not count as 2 organs if they occur simultaneously (see above under Level 2 care), but will count as Level 3 if another organ is supported at the same time).



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