Testicular torsion study: Organisational questionnaire

A. Introduction

What is this study about?

The aim of this study is to review the complete pathway and quality of care provided to children and young people 2 – 24 years of age who present to hospital with testicular torsion.

Inclusions

All acute hospital providers to which patients aged between 2 and 24 years with testicular torsion might be admitted.

Who should complete this questionnaire?

This questionnaire has been designed to collect data on the organisational structures surrounding the care provided to patients with testicular torsion.

One questionnaire should be completed for each hospital within a Trust/Health board where patients with testicular torsion might be admitted.

It should be completed by or with input from clinicians(s) who provide care to this group of patients. This is likely to include, but not limited to the paediatric surgeons, general surgeons and urologists.

Questions or help

If you have any queries about this study or this questionnaire, please contact: testiculartorsion@ncepod.org.uk or telephone 020 7251 9060.

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.

About NCEPOD

The National Confidential Enquiry into Patient Outcome and Death (NCEPOD) reviews healthcare practice by undertaking confidential studies, and makes recommendations to improve the quality of the delivery of care, for healthcare professionals and policymakers to implement. Data to inform the studies are collected from NHS hospitals and Independent sector hospitals across England, Wales, Northern Ireland and the Offshore Islands. NCEPOD are supported by a wide range of bodies and the Steering Group consists of members from the Medical Royal Colleges and Specialist Associations, as well as observers from The Coroners Society of England and Wales, and the Healthcare Quality Improvement Partnership (HQIP).

Impact of NCEPOD

Recommendations from NCEPOD reports have had an impact on many areas of healthcare including: Development of the NICE 'Acutely ill patients in hospital guideline' (CG50) – 'An Acute Problem' (2005). Appointment of a National Clinical Director for Trauma Care – 'Trauma: Who Cares?' (2007). Development of NICE Clinical Guidelines for Acute Kidney Injury, published 2013 – 'Adding Insult to Injury' (2009).

Development of ICS Standards for the care of adult patients with a temporary Tracheostomy, published 2014 – 'On the right trach?' (2014).

Development of guidelines from the British Society of Gastroenterology: diagnosis and management of acute lower gastrointestinal bleeding, published 2019 – 'Time to Get Control' (2015).

This study was commissioned by The Healthcare Quality Improvement Partnership (HQIP) as part of the Clinical Outcome Review Programme into Child Health

B. Organisation details 1. What is the population of the catchment area of this hospital? ☐ Unknown 2a. Does this organisation provide: (Please tick all that apply) ☐ Paediatric services ☐ Adolescent services ☐ Adult services ☐ Unknown 2b. If answered "Paediatric services" to [2a] then: If paediatric services, how many paediatric inpatient beds does this hospital have? ☐ Unknown beds 2c. If answered "Adolescent services" to [2a] then: If adolescent services, how many adolescent inpatient beds does this hospital have? ☐ Unknown beds 2d. If answered "Adult services" to [2a] then: If adult services, how many adult inpatient beds does this hospital have? ☐ Unknown beds 3a. Which of the following departments are available in this hospital? (Please tick all that apply) ☐ Paediatric emergency department □ Paediatric surgery department ☐ Paediatric urology department ☐ Adult emergency department ☐ Adult surgery department ☐ Adult urology department ■ None of these departments ☐ Unknown 3b. If answered "Paediatric emergency department" to [3a] then: If YES to paediatric emergency department, when is this available? O 24/7 O Normal working hours (e.g., 8am - 6pm) 7 days/week Normal working hours (e.g., 8am - 6pm) Mon-Fri Unknown If not listed above, please specify here... 3c. If answered "Paediatric surgery department" to [3a] then: If YES to paediatric surgery department, when is this available? O Normal working hours (e.g., 8am - 6pm) 7 days/week O Normal working hours (e.g., 8am - 6pm) Mon-Fri Unknown If not listed above, please specify here... 3d. If answered "Paediatric urology department" to [3a] then: If YES to paediatric urology department, when is this available? \bigcirc 24/7 O Normal working hours (e.g., 8am - 6pm) 7 days/week Normal working hours (e.g., 8am - 6pm) Mon-Fri Unknown If not listed above, please specify here...

•	If YES to adult emergency department, when is this available?
	O 24/7
	Normal working hours (e.g., 8am - 6pm) 7 days/week
	Normal working hours (e.g., 8am - 6pm) Mon-Fri
	O Unknown
	If not listed above, please specify here
	If answered "Adult surgery department" to [3a] then: If YES to adult surgery department, when is this available?
	O 24/7
	Normal working hours (e.g., 8am - 6pm) 7 days/week
	Normal working hours (e.g., 8am - 6pm) Mon-Fri Unknown
	If not listed above, please specify here
	If answered "Adult urology department" to [3a] then:
	If YES to adult urology department, when is this available?
	O 24/7
	Normal working hours (e.g., 8am - 6pm) 7 days/week
	O Normal working hours (e.g., 8am - 6pm) Mon-Fri Unknown
	If not listed above, please specify here
ì.	Are children and young people with suspected torsion operated on in this hospital?
	O Yes O No O Unknown
	If answered "No" to [4a] then: If NO, please give further information on what happens if a patient with suspected torsion presents to this hospital

C. Protocols

Please save the questionnaire as you complete this section Children/Adolescents 1a. Is there a specific protocol for the management of testicular pain in children/adolescents? Unknown Yes (No If YES 1b. If answered "Yes" to [1a] then: What age does this protocol cover up to? ☐ Unknown years 1c. If answered "Yes" to [1a] then: Is the protocol available in the emergency department? Yes O No Unknown O Not applicable - no paediatric emergency department 1d. If answered "Yes" to [1a] then: What format is the protocol available in? (Please tick all that apply) ☐ Electronic ☐ Unknown Paper Please specify any additional options here... 1e. If answered "Yes" to [1a] then: Does the protocol state: (Please tick all that apply) The use of a specific clinical risk score for all patients with suspected testicular torsion? ☐ That doppler ultrasound is routinely requested in patients with suspected testicular torsion? That patients who present with suspected testicular torsion are routinely fasted to allow rapid access t ☐ Which grade of surgeon is responsible for making the decision to operate? ■ Which grade of surgeon undertakes the operation? ☐ Which specialty of surgeon undertakes the operation? That access to operating theatres is an emergency for patients with testicular torsion? ☐ What to do if no emergency operating theatre is available? Transfer arrangements should a theatre or suitably qualified surgeon or anaesthetist not be present? ☐ The time at which a follow-up appointment is offered?" ■ None of the above 1f. If answered "Yes" to [1a] and "The use of a specific clinical risk score for all patients with suspected testicular torsion?" to [1e] then: What score is used?

TWIST score

Unknown

If not listed above, please specify here...

	If answered "Yes" to [1a] and "Which grade of surgeon is responsible for making the decision to operate?" to [1e] then: If the grade of surgeon making the decision to operate is stated, please specify the grade:			
	○ Consultant			
	Staff grade/Associate specialist			
	Trainee with CCT Senior specialist trainee (ST3+ or equivalent)			
	Junior specialist trainee (ST1& ST2 or CT equivalent)			
	Specialist nurse (Nurse consultant, Nurse practitioner, Clinical nurse specialist)			
	Senior staff nurse, enrolled nurse			
	O Unknown			
	If not listed above, please specify here			
	If answered "Yes" to [1a] and "Which grade of surgeon undertakes the operation?" to [1e] then: If the grade of surgeon operating is stated, please specify the grade:			
	Consultant Staff grade/Associate specialistTrainee with CCT			
	O Senior specialist trainee (ST3+ or equivalent)			
	() Junior specialist trainee (ST1& ST2 or CT equivalent)			
	Specialist nurse (Nurse consultant, Nurse practitioner, Clinical nurse specialist)			
	Senior staff nurse, enrolled nurse			
	O Unknown			
	O GIRTIOWII			
	If not listed above, please specify here			
	If answered "Yes" to [1a] and "Which specialty of surgeon undertakes the operation?" to [1e] then: If the specialty of surgeon operating is stated, please specify the specialty:			
	○ General surgery○ Urology○ Paediatric surgery○ Unknown			
	If not listed above, please specify here			
-	If answered "Yes" to [1a] and "That access to operating theatres is an emergency for patients with testicular torsion?" to [1e] then:			
	Please give further details regarding access to operating theatres as an emergency for testicular torsion:			

	fer arrangements should a theatre or suitably
qualified surgeon or anaesthetist no	
f the protocol states transfer arrang for the transfer?	gements, which grade of staff has the responsibility
or the transfer?	
Consultant	
Staff grade/Associate specialist	
Trainee with CCT	
•	ii (alant)
Senior specialist trainee (ST3+ or equ	
igcirc Junior specialist trainee (ST1 $&$ ST2 or	
Specialist nurse (Nurse consultant, Newson	urse practitioner, Clinical nurse specialist)
Senior staff nurse, enrolled nurse	
Unknown	
O OTIKITOWIT	
f not listed above, please specify here	
Thot listed above, please specify here	
	fer arrangements should a theatre or suitably
f answered "Yes" to [1a] and "Trans qualified surgeon or anaesthetist no	fer arrangements should a theatre or suitably t be present?" to [1e] then: gements, please give any further details:
f answered "Yes" to [1a] and "Trans qualified surgeon or anaesthetist no	t be present?" to [1e] then:
f answered "Yes" to [1a] and "Trans qualified surgeon or anaesthetist no	t be present?" to [1e] then:
f answered "Yes" to [1a] and "Trans qualified surgeon or anaesthetist no	t be present?" to [1e] then:
f answered "Yes" to [1a] and "Trans qualified surgeon or anaesthetist no	t be present?" to [1e] then:
f answered "Yes" to [1a] and "Trans qualified surgeon or anaesthetist no	t be present?" to [1e] then:
f answered "Yes" to [1a] and "Trans qualified surgeon or anaesthetist no	t be present?" to [1e] then:
f answered "Yes" to [1a] and "Trans qualified surgeon or anaesthetist no	t be present?" to [1e] then:
f answered "Yes" to [1a] and "Trans qualified surgeon or anaesthetist no	t be present?" to [1e] then:
f answered "Yes" to [1a] and "Trans qualified surgeon or anaesthetist no	t be present?" to [1e] then:
f answered "Yes" to [1a] and "Trans qualified surgeon or anaesthetist no	t be present?" to [1e] then:
f answered "Yes" to [1a] and "Trans qualified surgeon or anaesthetist no	t be present?" to [1e] then:
f answered "Yes" to [1a] and "Trans qualified surgeon or anaesthetist no	t be present?" to [1e] then:
f answered "Yes" to [1a] and "Trans qualified surgeon or anaesthetist no f the protocol states transfer arrang	t be present?" to [1e] then: gements, please give any further details:
f answered "Yes" to [1a] and "Trans qualified surgeon or anaesthetist no f the protocol states transfer arrang	t be present?" to [1e] then: gements, please give any further details:
f answered "Yes" to [1a] and "Trans qualified surgeon or anaesthetist no f the protocol states transfer arrang f answered "Yes" to [1a] and "The ticle] then:	t be present?" to [1e] then: gements, please give any further details:
f answered "Yes" to [1a] and "Trans qualified surgeon or anaesthetist no f the protocol states transfer arrang f answered "Yes" to [1a] and "The tile] then:	t be present?" to [1e] then: gements, please give any further details: ime at which a follow-up appointment is offered?"" to
f answered "Yes" to [1a] and "Trans qualified surgeon or anaesthetist no f the protocol states transfer arrang f answered "Yes" to [1a] and "The tiple then: It the protocol states the time at which is occur? Within 6-months of the operation	t be present?" to [1e] then: gements, please give any further details: ime at which a follow-up appointment is offered?"" to
f answered "Yes" to [1a] and "Trans qualified surgeon or anaesthetist no f the protocol states transfer arrang f answered "Yes" to [1a] and "The ticle] then: If the protocol states the time at which is occur?	t be present?" to [1e] then: gements, please give any further details: ime at which a follow-up appointment is offered?"" to

O Yes	O No	Unknown
o. If answered "No" If YES, what score		o [2a] then:
O TWIST score	O Unknown	
If not listed above,	please specify here	
	ocol which states th	nat doppler ultrasound is routinely requested in I testicular torsion?
O Yes	O No	O Unknown
	ocol which states th	nat children/adolescents who present with suspecteded to allow rapid access to surgery?
O Yes	O No	O Unknown
Is there any proto	ocol which states w	tho is responsible for making the decision to operate sted torsion?
Is there any proto on children/adole O Yes	ocol which states w scents with suspec	ted torsion? Unknown
Is there any proto on children/adole	ocol which states w scents with suspec No to [1a] and "Yes" t	ted torsion? Unknown
Is there any proto on children/adole O Yes bb. If answered "No"	ocol which states w scents with suspec No to [1a] and "Yes" t cify the grade:	ted torsion? Unknown
Is there any proto on children/adole Yes Sb. If answered "No" If YES, please spe Consultant Staff grade/Asso Trainee with CC	ocol which states we scents with suspect of No to [1a] and "Yes" to cify the grade: ociate specialist	ted torsion? Unknown o [5a] then:
Is there any proto on children/adole Yes Sb. If answered "No" If YES, please spe Consultant Staff grade/Asso Trainee with CC Senior specialisi	ocol which states we scents with suspect of No No to [1a] and "Yes" to cify the grade: ociate specialist T t trainee (ST3+ or equal to second or	ted torsion? Unknown o [5a] then: uivalent)
Is there any proto on children/adole O Yes Sb. If answered "No" If YES, please specialist of the spe	ocol which states we scents with suspect of No	ted torsion? Unknown o [5a] then: uivalent)
Is there any proto on children/adole O Yes Sb. If answered "No" If YES, please specialist of the spe	ocol which states we scents with suspect of the suspect of the grade: ociate specialist of trainee (ST3+ or equations of the suspect of the	uivalent)
Is there any proto on children/adole O Yes Sb. If answered "No" If YES, please specialist O Staff grade/Asso O Trainee with CO O Senior specialist O Specialist nurse O Senior staff nurse O Unknown	ocol which states we scents with suspect of No	uivalent) CT equivalent) urse practitioner, Clinical nurse specialist)
Is there any proto on children/adole O Yes Sb. If answered "No" If YES, please specialist O Staff grade/Asso O Trainee with CO O Senior specialist O Specialist nurse O Senior staff nurse O Unknown	ocol which states we scents with suspect of No	uivalent) CT equivalent) urse practitioner, Clinical nurse specialist)
Is there any proto on children/adole O Yes Sb. If answered "No" If YES, please specialist O Staff grade/Asso O Trainee with CO O Senior specialist O Specialist nurse O Senior staff nurse O Unknown	ocol which states we scents with suspect of No	uivalent) CT equivalent) urse practitioner, Clinical nurse specialist)
Is there any proto on children/adole O Yes Sb. If answered "No" If YES, please special on the color of the	ocol which states we scents with suspect of No No to [1a] and "Yes" to cify the grade: ociate specialist To the trainee (ST3+ or equation trainee (ST1& ST2 or (Nurse consultant, Nose, enrolled nurse on the second trainee (ST3+ or equation to [1a] then:	Unknown o [5a] then: uivalent) r CT equivalent) urse practitioner, Clinical nurse specialist) which grade of surgeon undertakes the operation on

6b.	If answered "No" to If YES, please specif		o [6a] then:
	 Consultant Staff grade/Associa Trainee with CCT Senior specialist training Junior specialist training Specialist nurse (Notes) Senior staff nurse, Unknown 	rainee (ST3+ or equainee (ST1& ST2 or Jurse consultant, No	
	If not listed above, ple	ease specify here	
	on children/adolesco O Yes If answered "No" to	ol which states whents with suspect No [1a] and "Yes" to	O Unknown
	If YES, please specification General surgery		Paediatric surgery
	If not listed above, ple		
8a.	If answered "No" to Is there any protoco children/adolescent	ol which states th	nat access to operating theatres is an emergency for testicular torsion?
	O Yes	O No	O Unknown
8b.	If answered "No" to If YES, please give f		o [8a] then:
9a.		ol which states w	hat to do if no emergency operating theatre is ith suspected testicular torsion?
	O Yes	O No	O Unknown

	tocol which specifies tr	ransfer arrangements for children/adolescents wit suitably qualified surgeon or anaesthetist not be
○ Yes	○ No	○ Unknown
.lf answered "No	" to [1a] and "Yes" to [ade of staff has the res	
Consultant		
O Staff grade/As	<u>-</u>	
O Trainee with C		alont)
•	ist trainee (ST3+ or equiv st trainee (ST1& ST2 or C1	
•		se practitioner, Clinical nurse specialist)
•	urse, enrolled nurse	practitioner, enmear harse specialist,
•		
Unknown		
	nlease specify here	
	, please specify here	
If not listed above		10al than
If not listed above	, please specify here " to [1a] and "Yes" to [ive further details:	10a] then:
If not listed above	" to [1a] and "Yes" to [10a] then:
If not listed above	" to [1a] and "Yes" to [10a] then:
If not listed above	" to [1a] and "Yes" to [10a] then:
If not listed above	" to [1a] and "Yes" to [10a] then:
If not listed above	" to [1a] and "Yes" to [10a] then:
If not listed above	" to [1a] and "Yes" to [10a] then:
If not listed above	" to [1a] and "Yes" to [10a] then:
If not listed above	" to [1a] and "Yes" to [10a] then:
If not listed above	" to [1a] and "Yes" to [10a] then:
If not listed above	" to [1a] and "Yes" to [10a] then:
If not listed above	" to [1a] and "Yes" to [10a] then:
If not listed above If answered "No If YES, please gi	" to [1a] and "Yes" to [ive further details: " to [1a] then: col which states the tin	ne at which a follow-up appointment is offered for
If not listed above If answered "No If YES, please gi	" to [1a] and "Yes" to [ive further details:	ne at which a follow-up appointment is offered for
If answered "No If YES, please gi	" to [1a] and "Yes" to [ive further details: " to [1a] then: col which states the ting ents with testicular to [No " to [1a] and "Yes" to [ne at which a follow-up appointment is offered for rsion?
If not listed above If answered "No If YES, please git of the second of	" to [1a] and "Yes" to [ive further details: " to [1a] then: col which states the ting ents with testicular to [No " to [1a] and "Yes" to [ne at which a follow-up appointment is offered for rsion?

9b. If answered "No" to [1a] and "Yes" to [9a] then:

a.Is there a speci	ific protocol for the management of testicular pain in adults?
O Yes	O No O Unknown
f YES	
	es" to [12a] then: this protocol cover from?
	years Unknown
	es" to [12a] then: otocol available in the emergency department?
O Yes	○ No
O Unknown	
O No applicable	e - no adult emergency department
	es" to [12a] then: the protocol available in? (Please tick all that apply)
☐ Paper	☐ Electronic ☐ Unknown
	es" to [12a] then:
Does the proto	col state: (Please tick all that apply)
The use of a That doppler That patients Which grade Which grade Which specia That access t What to do if	specific clinical risk score for all patients with suspected testicular torsion? ultrasound is routinely requested in patients with suspected testicular torsion? s who present with suspected testicular torsion are routinely fasted to allow rapid access of surgeon is responsible for making the decision to operate? of surgeon undertakes the operation? alty of surgeon undertakes the operation? to operating theatres is an emergency for patients with testicular torsion? f no emergency operating theatre is available? ungements should a theatre or suitably qualified surgeon or anaesthetist not be present which a follow-up appointment is offered?
The use of a That doppler That patients Which grade Which specia Which specia That access t What to do if Transfer arra The time at w	specific clinical risk score for all patients with suspected testicular torsion? ultrasound is routinely requested in patients with suspected testicular torsion? s who present with suspected testicular torsion are routinely fasted to allow rapid access of surgeon is responsible for making the decision to operate? of surgeon undertakes the operation? alty of surgeon undertakes the operation? to operating theatres is an emergency for patients with testicular torsion? f no emergency operating theatre is available? ungements should a theatre or suitably qualified surgeon or anaesthetist not be present which a follow-up appointment is offered? above es" to [12a] and "The use of a specific clinical risk score for all patients I testicular torsion?" to [12e] then:
The use of a That doppler That patients Which grade Which specia That access t What to do if Transfer arra The time at v None of the a	specific clinical risk score for all patients with suspected testicular torsion? ultrasound is routinely requested in patients with suspected testicular torsion? s who present with suspected testicular torsion are routinely fasted to allow rapid access of surgeon is responsible for making the decision to operate? of surgeon undertakes the operation? alty of surgeon undertakes the operation? to operating theatres is an emergency for patients with testicular torsion? f no emergency operating theatre is available? ungements should a theatre or suitably qualified surgeon or anaesthetist not be present which a follow-up appointment is offered? above es" to [12a] and "The use of a specific clinical risk score for all patients I testicular torsion?" to [12e] then:

	If answered "Yes" to decision to operate?" If the grade of surged grade:	' to [12e] then:	on to operate is stated, p	_
	○ Consultant			
	Staff grade/Associat	te specialist		
	Trainee with CCT			
	O Senior specialist tra	inee (ST3+ or equivale	nt)	
	O Junior specialist trai	·		
			practitioner, Clinical nurse sp	oecialist)
	Senior staff nurse, e	·	ractitioner, clinical nurse sp	ecialist)
	Unknown	inoned nurse		
	Olikilowii			
	If not listed above, plea	se specify here		
12h.	[12e] then:		ade of surgeon undertaked, please specify the gra	
	○ Consultant			
	O Staff grade/Associat	te specialist		
	O Trainee with CCT			
	O Senior specialist tra	inee (ST3+ or equivale	nt)	
	O Junior specialist trai	nee (ST1& ST2 or CT ed	quivalent)	
			oractitioner, Clinical nurse sp	pecialist)
	Senior staff nurse, e	·		
	O Unknown			
	If not listed above, plea	se specify here		
12i.	[12e] then:		ecialty of surgeon undert	•
		() Urology		-
	() General surgery		() Paediatric surgery	() Unknown
	○ General surgery	9	O Paediatric surgery	O Unknown
	If not listed above, plea		Paediatric surgery	O Unknown
			Paediatric surgery	O Unknown
_	If not listed above, plead If answered "Yes" to patients with testicul	se specify here [12a] and "That accelar torsion?" to [12e]	ess to operating theatres	is an emergency for
_	If not listed above, plea If answered "Yes" to patients with testicul Please give further d	se specify here [12a] and "That accelar torsion?" to [12e]	ess to operating theatres	is an emergency for
_	If not listed above, plea If answered "Yes" to patients with testicul Please give further d	se specify here [12a] and "That accelar torsion?" to [12e]	ess to operating theatres	is an emergency for
_	If not listed above, plea If answered "Yes" to patients with testicul Please give further d	se specify here [12a] and "That accelar torsion?" to [12e]	ess to operating theatres	is an emergency for
_	If not listed above, plea If answered "Yes" to patients with testicul Please give further d	se specify here [12a] and "That accelar torsion?" to [12e]	ess to operating theatres	is an emergency for
_	If not listed above, plea If answered "Yes" to patients with testicul Please give further d	se specify here [12a] and "That accelar torsion?" to [12e]	ess to operating theatres	is an emergency for
_	If not listed above, plea If answered "Yes" to patients with testicul Please give further d	se specify here [12a] and "That accelar torsion?" to [12e]	ess to operating theatres	is an emergency for
_	If not listed above, plea If answered "Yes" to patients with testicul Please give further d	se specify here [12a] and "That accelar torsion?" to [12e]	ess to operating theatres	is an emergency for
_	If not listed above, plea If answered "Yes" to patients with testicul Please give further d	se specify here [12a] and "That accelar torsion?" to [12e]	ess to operating theatres	is an emergency for
_	If not listed above, plea If answered "Yes" to patients with testicul Please give further d	se specify here [12a] and "That accellar torsion?" to [12e]	ess to operating theatres	is an emergency for
_	If not listed above, plea If answered "Yes" to patients with testicul Please give further d	se specify here [12a] and "That accellar torsion?" to [12e]	ess to operating theatres	is an emergency for

If answered "Yes" to [12a] and "Transfo qualified surgeon or anaesthetist not b	er arrangements should a theatre or suitably be present?" to [12e] then:
If the protocol states transfer arranger	ments, which grade of staff has the responsibility
for the transfer?	
○ Consultant	
Staff grade/Associate specialist	
Trainee with CCT	
Senior specialist trainee (ST3+ or equive	alent)
Junior specialist trainee (ST1& ST2 or CT	Γ equivalent)
Specialist nurse (Nurse consultant, Nurs	se practitioner, Clinical nurse specialist)
 Senior staff nurse, enrolled nurse 	
Unknown	
If not listed above, please specify here	
If answered "Yes" to [12a] and "Transfo qualified surgeon or anaesthetist not b If the protocol states transfer arranger	
If answered "Yes" to [12a] and "The tin	ne at which a follow-up appointment is offered?"
[12e] then:	a fallow we are statement to affect discharge days
if the protocol states the time at which this occur?	a follow-up appointment is offered, when does
Within 6-months of the operation	O Unknown
If not listed above, please specify here	
· · · · · · · · · · · · · · · · · · ·	

_	O No	O Unknown
3b.If answered "No" If YES, what score	to [12a] and "Yes" to e is used?) [13a] then:
O TWIST score	O Unknown	
		t doppler ultrasound is routinely requested in on?
O Yes	O No	Unknown
	ocol which states tha	t adults who present with suspected testicular apid access to surgery?
O Yes	O No	O Unknown
6a.If answered "No" Is there any proto on adults with su	ocol which states who	o is responsible for making the decision to operate
O Yes	O No	Unknown
.6b.If answered "No" If YES, please spe) [16a] then:
Junior specialist	t trainee (ST3+ or equiv trainee (ST1& ST2 or C (Nurse consultant, Nur	
O Senior staff nurs O Unknown		
O Unknown	olease specify here	
Unknown If not listed above, p	olease specify here to [12a] then: ocol which states whi	ich grade of surgeon undertakes the operation on
Unknown If not listed above, p 7a.If answered "No" Is there any prote	olease specify here to [12a] then: ocol which states whi	ich grade of surgeon undertakes the operation on O Unknown
Unknown If not listed above, p Ta.If answered "No" Is there any proto adults with suspe	to [12a] then: cool which states with states which states which states with states which states which states with states wit	○ Unknown
Unknown If not listed above, p L7a.If answered "No" Is there any proto adults with suspe O Yes L7b.If answered "No" If YES, please spe O Consultant O Staff grade/Asso O Trainee with CC O Senior specialist O Junior specialist	to [12a] then: cool which states are considered to special states are considered to special states are consultant.	Unknown o [17a] then: valent)

	suspected torsion?	which specialty of surgeon undertakes the operation
O Yes	O No	O Unknown
18b.If answered "No If YES, please s	o" to [12a] and "Yes" specify the specialty:	to [18a] then:
○ General surg	ery O Urology	○ Unknown
If not listed abov	e, please specify here	
		hat access to operating theatres is an emergency for sion?
O Yes	O No	Unknown
	o" to [12a] and "Yes" give further details:	to [19a] then:
20a.lf answered "No	o" to [12a] then:	
	otocol which states wateled with suspected to the state of the state o	what to do if no emergency operating theatre is testicular torsion?
available for ac Yes 20b.If answered "No	dults with suspected	testicular torsion? Unknown

	to [12a] and "Yes" to de of staff has the res	[21a] then: ponsibility for the transfer?
O Junior specialis	CT st trainee (ST3+ or equiva t trainee (ST1& ST2 or CT e (Nurse consultant, Nurs	
If not listed above,	please specify here	
	to [12a] and "Yes" to ve further details:	[21a] then:
	ol which states the tim	ne at which a follow-up appointment is offered for
adults with testion	O No	Unknown
•	to [12a] and "Yes" to	•
Within 6-month		Unknown

D. Clinical resources for testicular torsion

Ia.	_	_	oler ultrasound for testicular perfusion?
	O Yes	O No	○ Unknown
1b.	If answered "Yes" t If YES, when is this		
	O 24/7		
	O Normal working h	ours (e.g. 8am - 6pm) 7 da	ys/week
	Normal working hUnknown	ours (e.g. 8am - 6pm) Mon	-Fri
	If not listed above, pl	ease specify here	
1c.	If answered "Yes" t Is this routinely pe	to [1a] then: rformed by a radiologist	:
	O Yes	O No	Unknown
1d.	If answered "Yes" t If YES, is this used		
	O All patients	Some patients	Unknown
	If not listed above, pl	ease specify here	
le.		to [1a] and "Some patier please give further deta	
2a.	What are the arran	gements for urgent in-h	ours paediatric cover?
	Paediatric consultTelephone adviceUnknown	tant/registrar on-site 24/7 e only	On-call paediatric consultant/registrarNo arrangement
	If not listed above, pl	ease specify here	
2b.	What are the arran	gements for urgent out-	of-hours paediatric cover?
	O Paediatric consult	tant/registrar on-site 24/7	On-call paediatric consultant/registrar
	Telephone adviceUnknown	e only	O No arrangement
	If not listed above, pl	ease specify here	

3a.	Which of the following specialties does this h	ospital ha	ve? (Please tick all that apply)
	☐ General adult surgeon☐ General paediatric surgeon☐ Specialist paediatric anaesthetist☐ Unknown	_	ist adult urologist ist paediatric urologist
	Please specify any additional options here		
Ge	eneral adult surgeon		
3b.	If answered "General adult surgeon" to [3a] t When are they available?	then:	
	 24/7 Normal working hours (e.g. 8am - 6pm) 7 days/ Normal working hours (e.g. 8am - 6pm) Mon-Fr Unknown 		
	If not listed above, please specify here		
3с.	If answered "General adult surgeon" to [3a] to In general from what age of child would they		
	ує	ears	Unknown
Sp	ecialist adult urologist		
3d.	If answered "Specialist adult urologist" to [3a When are they available?	a] then:	
	 24/7 Normal working hours (e.g. 8am - 6pm) 7 days/ Normal working hours (e.g. 8am - 6pm) Mon-Fr Unknown 		
	If not listed above, please specify here		
	The state of the s		
3e.	If answered "Specialist adult urologist" to [3a In general from what age of child would they		
	ує	ears	Unknown
Ge	eneral paediatric surgeon		
3f.	If answered "General paediatric surgeon" to [When are they available?	[3a] then:	
	O 24/7 O Normal working hours (e.g. 8am - 6pm) 7 days/ O Normal working hours (e.g. 8am - 6pm) Mon-Fr O Unknown		
	If not listed above, please specify here		
3g.	If answered "General paediatric surgeon" to [In general from what age of child would they		
		ears \square	Unknown
c			
ъp	ecialist paediatric urologist		

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	/ available?	
O 24/7		
O Normal work	king hours (e.g. 8am - 6p	m) 7 days/week
O Normal work	king hours (e.g. 8am - 6p	m) Mon-Fri
Unknown		
If not listed above	ve, please specify here	
	Specialist paediatric ur m what age of child wo	
		years Unknown
pecialist paedia	tric anaesthetist	
. If answered "S When are they		naesthetist" to [3a] then:
O 24/7		
O Normal work	king hours (e.g. 8am - 6pi	m) 7 days/week
O Normal work	king hours (e.g. 8am - 6pi	m) Mon-Fri
O Unknown		
If not listed above	ve, please specify here	
		anosthotisty to [2n] them.
	Specialist paediatric ar m what age of child wo	puld they anaesthetise?
		ould they anaesthetise?
In general from	m what age of child wo	ould they anaesthetise?
In general from	m what age of child wo	years Unknown acity to open a staffed second emergency operating
Does this orgatheatre if a patheatre is busy	n what age of child wo nnsiation have the capatient with testicular to y? No No Yes" to [4a] then:	years Unknown acity to open a staffed second emergency operating orsion presents and the main emergency operating
In general from Does this orgatheatre if a patheatre is busy Yes If answered "Y	n what age of child wo named and the capation have the capation with testicular to y? No No Yes" to [4a] then:	years Unknown acity to open a staffed second emergency operating orsion presents and the main emergency operating
In general from Does this orgatheatre if a patheatre is busy Yes If answered "Yes 24/7	n what age of child wo named and the capation have the capation with testicular to y? No No Yes" to [4a] then:	years Unknown acity to open a staffed second emergency operating orsion presents and the main emergency operating Unknown
In general from Does this orgatheatre if a patheatre is busy Yes If answered "Y If YES, is this at the control of the cont	n what age of child wo nnsiation have the capatient with testicular to y? No Yes" to [4a] then: available:	years Unknown acity to open a staffed second emergency operating orsion presents and the main emergency operating Unknown Unknown
. Does this orgatheatre if a patheatre is busy Ores . If answered "YIf YES, is this are Oreal works."	m what age of child wo name instantion have the capatient with testicular to y? No Yes" to [4a] then: available:	years Unknown acity to open a staffed second emergency operating orsion presents and the main emergency operating Unknown
In general from Does this orgatheatre if a patheatre is busy Yes If answered "Y If YES, is this at the control work Normal work Unknown	m what age of child wo name instantion have the capatient with testicular to y? No Yes" to [4a] then: available:	years Unknown acity to open a staffed second emergency operating orsion presents and the main emergency operating Unknown

E. Network arrangements 1a. Is this organisation a member of a network of care for emergency surgery? O Yes (No Unknown 1b. If answered "Yes" to [1a] then: If YES, does this cover (Please tick all that apply) ☐ Adolescents Paediatrics ☐ Adults ☐ Unknown 2a. Are patients with suspected testicular torsion ever transferred out of this hospital for treatment? Unknown Yes O No 2b. If answered "Yes" to [2a] then: If YES, is this: (Please tick all that apply) Paediatrics ☐ Adolescents ☐ Adults ☐ Unknown 2c. If answered "Yes" to [2a] and "Paediatrics" to [2b] then: If paediatrics, please specify the age range of patients transferred for treatment: 2d. If answered "Yes" to [2a] then: Please give any further details regarding transfer out of this hospital for treatment

		F. T	raining	
	Is training provided t torsion?	o emergency departme	ent staff in the recognition of testicula	ar
	O Yes	○ No	O Unknown	
1b.	Please give any furth	er details about the tra	aining provided:	

G. Information for patients and parent carers

1a.	Does this organisation testicular torsion?	n have information for	patients and p	arent carers who have had a
	O Yes	O No	O Unknown	
1b.	If answered "Yes" to [If YES, does this inclu	1a] then: de information on: (Ple	ease tick all tha	at apply)
	Fertility None	☐ Implants ☐ Unknown		Psychological support
	Please specify any addit	onal options here		

H. Follow up arrangements

1a.	Does this organisation	n have a system for the	e follow up of patients	with testicular torsion?
	O Yes	O No	O Unknown	
1b.	If answered "Yes" to [If YES, do these follow that apply)	-	ude providing informat	tion on: (Please tick all
	☐ Fertility ☐ Unknown	☐ Implants	Development	None
	Please specify any additi	onal options here		
1c.	If answered "Yes" to [If YES, is referral to lo	1a] then: cal psychology service	s routinely discussed?	
	O Yes	O No	Unknown	

I. Audit of care

	O No	Unknown
If answered "Y If YES, please	fes" to [1a] then: give details:	
	-	iagnosed with testicular torsion in the last 5 year
O Yes	O No	O Unknown
	fes" to [2a] then: nclude the collection of	data on: (Please tick all that apply)
☐ The transfer	•	The time from presentation to operation
☐ The outcome	e of the admission/procedu	ıre 🔲 Unknown
Please specify a	ny additional options here.	
	No" to [25] then	
If anomored UR		
If answered "N If NO to 1a, wi		
Does Emergen	hy not?	on include training on what to do for patients wit

J. Additional information

ease use	this space to	provide any de	etails of how t	the COVID-19	pandemic ha	s affect
lease use	this space to	provide any de	etails of how t	the COVID-19	pandemic har torsion.	s affect
lease use ne current	this space to	provide any de vision for patier	etails of how t	the COVID-19 vith testicular	pandemic ha r torsion.	s affect
lease use ne current	this space to	provide any de vision for patier	etails of how t	the COVID-19 with testicular	pandemic ha r torsion.	s affect
lease use ne current	this space to	provide any de vision for patier	etails of how t nts admitted v	the COVID-19 vith testicular	pandemic ha r torsion.	s affect
lease use ne current	this space to t service prov	provide any de vision for patier	etails of how t nts admitted v	the COVID-19 vith testicular	pandemic ha r torsion.	s affect
lease use ne current	this space to	provide any de vision for patier	etails of how t	the COVID-19 vith testicular	pandemic ha r torsion.	s affect
lease use ne current	this space to	provide any de vision for patier	etails of how t	the COVID-19 vith testicular	pandemic ha r torsion.	s affect
lease use ne current	this space to	provide any de vision for patier	etails of how t	the COVID-19 vith testicular	pandemic ha r torsion.	s affect
lease use ne current	this space to	provide any de vision for patier	etails of how to	the COVID-19 vith testicular	pandemic ha r torsion.	s affect
lease use ne current	this space to	provide any de vision for patier	etails of how t	the COVID-19 with testicular	pandemic ha r torsion.	s affect
lease use	this space to	provide any de vision for patier	etails of how t	the COVID-19 vith testicular	pandemic ha r torsion.	s affect

THANK YOU FOR TAKING THE TIME TO COMPLETE THIS QUESTIONNAIRE

By doing so you have contributed to the dataset that will form the report and recommendations due for release in early 2024