

British Association of Paediatric Surgeons Congenital Anomalies Surveillance System (BAPS-CASS)

Anorectal Malformation (ARM)

Infants or children presenting on or after 1st October 2015
and before 1st October 2016

Data Collection Form

Case Definition:

All children in the UK with imperforate anus or absence or narrowing of the communication canal between the rectum and anus with or without fistula to neighbouring organs, **newly diagnosed during the study period, irrespective of age at presentation or any additional anomalies.**

Instructions

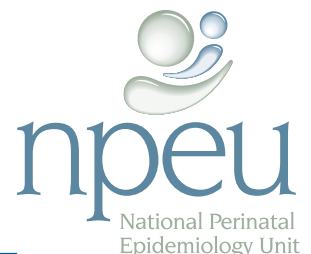
1. Please do not enter any personally identifiable information (e.g. name, address or hospital number) on this form.
2. Fill in the form using the information available in the infant's case notes.
3. Tick the boxes as appropriate. If you require any additional space to answer a question please use the space provided in section 10.
4. Please complete all dates in the format DD/MM/YY, and all times using the 24hr clock e.g. 18:37
- 5. If you do not know the answers to some questions, please indicate this in section 10.**
6. If you encounter any problems with completing the form please contact the Study Administrator or use the space in section 10.

Please return the completed form to:

BAPS-CASS
National Perinatal Epidemiology Unit
University of Oxford
Old Road Campus
Oxford
OX3 7LF
Fax: 01865 617775
Phone: 01865 289714



Case reported in: _____



Section 1: Antenatal/Birth data

- 1.1** What was the mother's year of birth? Not known
- 1.2** Please give the first alphabetical part of mother's postcode
(E.g. OX for Oxfordshire, EH for Edinburgh, L for Liverpool)
- 1.3** What is the infant/child's Ethnic group*
- 1.4** Has the mother ever had a pregnancy where the fetus has been diagnosed with either ARM, another structural anomaly, a chromosomal anomaly or malformation syndrome? Yes No
If Yes, please give details: _____
- 1.5** Is there any family history of ARM or related conditions, including syndromes and associations? Yes No
If Yes, please give details including relation to this infant/child:

Please continue in Section 10 if necessary.
- 1.6** Did the mother receive any fertility treatment to assist with the conception of this pregnancy? Yes No Not known
If Yes, please give details: _____
- 1.7** Gestational age at birth (completed weeks) weeks Not known
- 1.8** Gender Female Male Indeterminate
- 1.9** Birthweight g
- 1.10** Was ARM suspected antenatally? Yes No
If Yes, at what gestational age was it first suspected? (completed weeks)
If Yes, please document sonographic abnormalities noted:
Dilated Rectum Yes No Not known
Hydrocolpus Yes No Not known
Others (please list) _____

Please continue in Section 10 if necessary.
If Yes, did the mother receive prenatal surgical counselling? Yes No

Section 2: Initial Investigations and Management

- 2.1** What was the infant/child's age at first presentation to your hospital?
(If diagnosed antenatally and inborn, please record '0') years months days
- 2.2** What was the date of first presentation to your hospital? / /
- 2.3** Was the infant/child transferred as an inpatient from another hospital? Yes No
If Yes, please specify which hospital: _____
Date of Transfer: / /
- 2.4** What was the date of diagnosis? / /

2.5 Was the infant/child more than 24 hours old at the time of diagnosis? Yes No Not known

2.6 Was the infant/child discharged home after birth before diagnosis? Yes No

2.7 Who first suspected an anorectal abnormality in this infant/child? (please only tick one)

Parent Midwife
 Health Visitor GP
 Paediatrician Paediatric Surgical Team

Other please specify: _____ Not known

2.8 Were any imaging investigations undertaken on this infant/child? Yes No

If Yes, please indicate all that apply:

Investigation	Yes	No	Date	Any Abnormalities Detected#
Ultrasound				
Renal Tract	<input type="checkbox"/>	<input type="checkbox"/>	DD / MM / YY	
Spine	<input type="checkbox"/>	<input type="checkbox"/>	DD / MM / YY	
Echo	<input type="checkbox"/>	<input type="checkbox"/>	DD / MM / YY	
Plain X-ray				
Prone cross-table lateral	<input type="checkbox"/>	<input type="checkbox"/>	DD / MM / YY	If Yes, was there gas: below the coccyx <input type="checkbox"/> above the coccyx <input type="checkbox"/>
CXR	<input type="checkbox"/>	<input type="checkbox"/>	DD / MM / YY	
AXR	<input type="checkbox"/>	<input type="checkbox"/>	DD / MM / YY	
Whole Spine	<input type="checkbox"/>	<input type="checkbox"/>	DD / MM / YY	
Lumbo sacral AP only	<input type="checkbox"/>	<input type="checkbox"/>	DD / MM / YY	
Micturating Cystourethrogram	<input type="checkbox"/>	<input type="checkbox"/>	DD / MM / YY	
Contrast study (E.g. distal loopogram)	<input type="checkbox"/>	<input type="checkbox"/>	DD / MM / YY	If Yes, what was type of contrast study was performed? _____ What was the result? _____
Other, imaging please specify	<input type="checkbox"/>	<input type="checkbox"/>	DD / MM / YY	_____

2.9 Was the sacral ratio calculated? Yes No Not known

If Yes, what was the result? _____

2.10 Was there spontaneous meconium passage in the first 24 hours of life? Yes No Not known

2.11 Was there meconium in the urine prior to the first surgical intervention? Yes No Not known

#Please state if none

Section 3: Initial Surgical Management

3.1 Has this infant/child had a surgical procedure (including EUA)? Yes No

If No, was this because:

Patient died prior to surgical management

Plan for conservative management

Plan for future surgery

Other

If Other, please specify reason: _____

If the child did not have a surgical procedure, **please go to Section 6**, otherwise **continue below**

3.2 What was the date of first surgical procedure?

/ /

3.3 Which of the following were performed at the first surgical intervention for management of the ARM? (Please tick all that apply)

Examination under Anaesthesia

Dilatation/calibration of anus

Peña Stimulation

Manual Evacuation/washout

Formation of a stoma

Examination under Anaesthesia

Definitive correction of anorectal atresia or stenosis

Other

If Other, please specify reason: _____

3.4 Were any other procedures performed at the same time as the first surgical intervention for the ARM?

(E.g. ligation of trachea-oesophageal fistula etc.)

Yes No

If Yes, please state all additional procedures performed at the same time:

Section 4: Definitive Surgical Management

4.1 Has the infant/child had definitive surgical correction of their ARM? Yes No

If No, **please go to Section 6**

If Yes, what was the date?

/ /

(If this was undertaken at the first surgical intervention, please enter the same date as in 3.2)

4.2 Were any of the following performed prior to, or during, the definitive surgical correction of the ARM?

(Please tick all that apply. If none, tick 'none of the above')

Bowel Preparation

Central Venous Line Insertion

Urethral catheterisation

Cystoscopy

Vaginoscopy

Endoscopy of the distal colon

Formation of a Stoma

None of the above

4.3 Were any other procedures performed at the same time as definitive surgical correction not mentioned previously?

Yes No

If Yes, please give details: _____

Please continue in Section 10 if necessary.

4.4 Did the child have an anooplasty?

Yes No

If Yes, please describe: (e.g. V-Y plasty, cut-back etc.)

If No, which definite procedure was performed?

Trans-anal proctoplasty (TAP)

Posterior Saggital Ano-rectoplasty (PSARP)

Anterior Saggital Ano-rectoplasty (ASARP)

Other

If Other, please specify: _____

4.5 Was abdominal mobilisation of the bowel undertaken?

Yes No

If Yes, was this:

open

OR

laparoscopic

4.6 On what date did enteral feeds commence following definite surgical correction?

/ /

4.7 How many days post-operative TPN did the child receive?
(If Zero, please record 0)

Section 5: Stoma Information

5.1 Has this infant/child had a stoma?

Yes No

If No, **please go to Section 6**, otherwise continue below

5.2 What was the date of formation?

/ /

5.3 Why was a stoma formed in this patient?

Formed as part of a planned staged surgical approach

Performed as an emergency

Other reason

If Other, please specify reason: _____

5.4 Was the stoma a:

Loop stoma

Single ended stoma

Divided stoma (separate stoma and mucous fistula)

5.5 Was the stoma in the:

Small Intestine

Transverse colon

Descending colon/sigmoid junction

Other

If Other, please specify site: _____

5.6 Has the stoma been closed?

Yes No

If Yes, please indicate the date of closure:

/ /

Section 6: Definitive Diagnosis

6.1 Has the final anatomical classification of this infant/child's anorectal atresia or stenosis been established? (Please only tick one)

Yes No

If Yes, was this: pre-operatively intra-operatively At post-mortem

What was the final anatomical classification?

- | | |
|--|---|
| Perineal (Cutaneous) fistula <input type="checkbox"/> | Recto-vestibular fistula <input type="checkbox"/> |
| Bulbar rectourethral fistula <input type="checkbox"/> | Recto-vaginal fistula <input type="checkbox"/> |
| Prostatic rectourethral fistula <input type="checkbox"/> | Cloaca <input type="checkbox"/> |
| Rectovesical fistula <input type="checkbox"/> | Imperforate anus without fistula <input type="checkbox"/> |
| Anal stenosis <input type="checkbox"/> | Funnel Anus <input type="checkbox"/> |
| Rectal atresia/stenosis <input type="checkbox"/> | Pouch Colon <input type="checkbox"/> |
| H fistula <input type="checkbox"/> | Anterior Anus <input type="checkbox"/> |
| | Other <input type="checkbox"/> |

If Other, please specify: _____

6.2 Did this child have a perineal fistula or an anterior anus?

Yes No

If Yes, what was the distance from the opening to the centre of the sphincter muscle?

mm Not known

What was the calibre of the opening prior to dilatation/correction? Hegar size Not known

What proportion of the opening was surrounded by sphincter? % Not known

6.3 Is anorectal atresia or stenosis an isolated abnormality in this infant/child?

Yes No

If No, please give details of associated abnormalities

Type of Anomaly	Yes	No	If Yes, please give details
Spinal column/cord	<input type="checkbox"/>	<input type="checkbox"/>	
Sacrum	<input type="checkbox"/>	<input type="checkbox"/>	
Limb	<input type="checkbox"/>	<input type="checkbox"/>	
Cardiac	<input type="checkbox"/>	<input type="checkbox"/>	
Renal tract/Genital	<input type="checkbox"/>	<input type="checkbox"/>	
Gastrointestinal (incl. OA)	<input type="checkbox"/>	<input type="checkbox"/>	
Genetic including aneuploidy	<input type="checkbox"/>	<input type="checkbox"/>	
Other named syndromes/associations, please specify	<input type="checkbox"/>	<input type="checkbox"/>	
Other structural, please specify	<input type="checkbox"/>	<input type="checkbox"/>	

Section 7: Other Management

7.1 Did the infant/child undergo anal dilatations? Yes No

If No, *please go to Section 8*, otherwise continue below

7.2 What size Hegar did dilatations start at? Hegar size Not known

7.3 Was anal dilation used as definitive management for the anorectal atresia or stenosis? (i.e. no surgical correction was performed) Yes No

If Yes, what date did they commence?

/ /

7.4 Was anal dilatation used as part of post-operative management? Yes No

If Yes, what date did they commence?

/ /

7.5 Have dilatations finished? Yes No Not known

If Yes, what size Hegar did dilatations finish at?

Hegar size

7.6 Were the infant/child's primary carers (parents/guardians) trained to perform anal dilatations? Yes No

Section 8: Early Morbidity

(28 days post initial surgery or decision for non-operative management)

8.1 Were any further surgical procedures required in the first 28 days following initial surgery or decision for non-operative management? Yes No

If Yes, please give details in the table below:

Date of Surgery	Details of Further Surgical Procedure
<input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/>	
<input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/>	
<input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/>	

Please continue in Section 10 if necessary

8.2 Did any complications relating to surgical management occur? Yes No

If Yes, tick all that apply:

Wound infection requiring antibiotics

Pelvic abscess

Dehiscence of perineal wound

Stoma problem

Please describe: _____

Injury to a viscus (e.g. bladder/urethra)

Please give details: _____

Other complication(s)

Please specify: _____

Please continue in Section 10 if necessary

8.3 Did this infant have any other morbidity? Yes No

If Yes, please give details: _____

Please continue in Section 10 if necessary

Section 9: Outcomes

9.1 Has the infant/child been discharged home?

Yes No

If Yes, please specify date of discharge

/ /

9.2 Has the infant/child been discharged to another hospital?

Yes No

If Yes, please give name of hospital: _____

Name of responsible consultant: _____

Date of transfer: / /

9.3 Did the infant/child die?

Yes No

If Yes, please give date of death:

/ /

Cause of death as stated on the death certificate (please state if not known):

Section 10: Other information

10.1 Please add any other relevant information

Section 11:

11.1 Name of person completing the form _____

11.2 Designation _____

11.3 Today's date

/ /

You may find it useful in the case of queries to keep a copy of this form.

Definitions

UK Census Coding for ethnic group

WHITE

01. British
02. Irish
03. Any other white background

MIXED

04. White and black Caribbean
05. White and black African
06. White and Asian
07. Any other mixed background

ASIAN OR ASIAN BRITISH

08. Indian
09. Pakistani
10. Bangladeshi
11. Any other Asian background

BLACK OR BLACK BRITISH

12. Caribbean
13. African
14. Any other black background

CHINESE OR OTHER ETHNIC GROUP

15. Chinese
16. Any other ethnic group