



EXAMINATION OF THE NEWBORN FROM HEAD TO TOE FOR COMMON BIRTH DEFECTS



① HEAD AND SPINE

- 1. Size too large > 38 cms (full term)
- 2. Size too small < 32 cms (full term)
- 3. Absence of skull cap
- 4. Swelling or protruding of the brain
- 5. Abnormal swelling of the spine

1 HYDROCEPHALUS Q03
2 MICROCEPHALY Q02

* Need urgent referral

② EYES, EARS, MOUTH AND LIPS

EYES

1. Eyelid – swelling
2. Eyelid – droopy
3. Gap in eyelid
4. Eyeball – absent
5. Eyeball – small
6. Inside the eye – corneal clouding
7. Inside the eye – opacity of lens/white reflex

1 ANOPHTHALMOS Q11.1 2 ECTROPION Q11.0 3 CYSTIC EDEMA OF EYELID Q10.3
4 ANOPHTHALMOS Q11.1 5 MICROCEPHALY Q11.3 6 CONGENITAL CATARACT Q12.0 7 CONGENITAL GLAUCOMA Q15.0

EAR

1. Absent
2. Abnormal shape

1 ANENCEPHALY Q00.0
2 INCAPACITANT Q11.2 3 MICROCEPHALY Q11.2
4 ENcephaloCEPHALY Q01
5 SPINA BIFIDA WITH MICROCEPHALY Q02

MOUTH

1. Cleft (split) lip
2. Cleft (split) palate
3. Cleft (split) lip and palate

1 CLEFT LIP Q36 2 CLEFT PALATE Q35 3 CLEFT LIP & PALATE Q37

③ ABDOMEN AND ANUS

ABDOMEN

1. Scaphoid (sunken and concave) with respiratory distress - X-ray chest
2. Distended X-ray abdomen
3. Wall defect - gap with herniation of the gut

1 DIAPHRAGMATIC HERNIA Q79.8
2 INTESTINAL OBSTRUCTION Q41-Q42
3 OMENADELSE Q79.3

ANUS

1. Imperforate/abnormally positioned

1 IMPERFORATE ANUS/ABNORMAL ATRESIA AND STENOSIS WITH OR WITHOUT FISTULA Q80-Q81

④ GENITALIA

1. Ambiguous genitalia
2. Vaginal opening absent
3. Urethral opening away from the tip of the penis – look where the urine comes out

1 AMBIGUOUS GENITALIA Q54-Q55
2 PHIMOSIS Q79.4
3 HYPOSPADIAS Q54

⑤ CHROMOSOMAL - DOWN SYNDROME

1. Face: Upward slanting eyes, fold on the inner corner of the eye (epicanthus), flat nose, small ear, small mouth, excess skin at the nape of neck
2. Palm: Single crease
3. Foot: Increased gap between 1st and 2nd toe

1 DOWN SYNDROME Q90
2 DOWN SYNDROME Q90
3 CLINODACTYLY Q72.7

⑥ URINARY TRACT

1. Bladder – not covered
2. Wrinkled abdominal wall
3. Urinary stream – check if male child

1 BLADDER DYSTOPIA Q54-Q55
2 PHIMOSIS Q79.4
3 POSTERIOR EXTERNAL VAULCE Q42.0
(*Urinated bladder even after passing urine)

⑦ LIMBS (UPPER & LOWER)

1. Absence of a whole or part of limb
2. Absence of a whole or part of lower limb
3. Fused digits
4. Absence of digits or split hand/foot
5. Extra digits
6. Club foot

1 LIMB REDUCTION DEFECT Q77.0
2 LIMB ADDUCTION DEFECT Q72.0
3 SYNOCHETE Q79
4 ECTRODACTYLY Q72.7
5 POLYDACTYLY Q90
6 CLUB FOOT-TALIPES COONAVARIS Q96.0

* If any of the above identified, record findings in RCH register and RBSK birth defect recording format along with MCTS details.



NATIONAL HEALTH MISSION, Health and Family Welfare, Himachal Pradesh

