

## **Appendix 2: Twenty-three Notable Birth Defect Cases Recorded in 2012**

(CASE1)

DOB: 29-8-2012

Address: Alaskary district

Birth order & condition of other siblings: 3<sup>rd</sup>, 2 normal older siblings

Diagnosis: Left foot syndactyly

Type of delivery: Normal vaginal delivery

Pregnancy history: Normal

Family history of this or other anomaly: Negative

Abortions: Negative

Still births: Negative

Mother's age & occupation: 27 yrs., house wife

Father's age & occupation: 33 yrs., free worker

Degree of kinship: Not relatives



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(CASE2)

DOB: 25-12-2012

Address: Fallujah- Jighaifi

Birth order & condition of other siblings: 1st

Diagnosis: Congenital large bowel obstruction

Type of delivery: Normal vaginal delivery

Pregnancy history: Normal

Family history of this or other anomaly: Negative

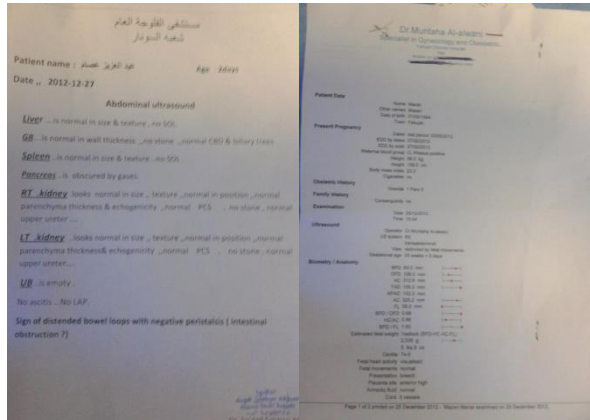
Abortions: Negative

Still births: Negative

Mother's age & occupation: 18 yrs., house wife

Father's age & occupation: 28 yrs., free worker

Degree of kinship: Not relatives



(CASE3)

DOB: 30-10-2012

Address: Fallujah – Alshuhada'a d

Birth order & condition of other siblings: 4<sup>th</sup>, older brother & 2 sisters normal

Diagnosis: Hydrocephaly, spina bifida + meningocele

Type of delivery: Cesarean section at Talib hospital

Pregnancy history: Normal

Family history of this or other anomaly: Negative

Abortions: Negative

Still births: Negative

Mother's age & occupation: 35 yrs., house wife

Father's age & occupation: 37 yrs., free worker

Degree of kinship: 1<sup>st</sup> degree



(CASE4)

DOB: 17-12-2012

Address: Halabsah - Rashad

Birth order & condition of other siblings: 7th

Diagnosis: Down syndrome

Type of delivery: Normal vaginal delivery

Pregnancy history: Normal

Family history of this or other anomaly: A 3<sup>rd</sup> degree relative has a neural tube defect

Abortions: Negative

Still births: Negative

Mother's age & occupation: 38 yrs., housewife

Father's age & occupation: 40 yrs., free worker

Degree of kinship: 3<sup>rd</sup> degree



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(CASE5)

DOB: 8-7-2012

Address: Garmah

Birth order & condition of other siblings: 8<sup>th</sup>, 7 normal siblings

Diagnosis: Hydrocephaly

Type of delivery: Normal vaginal delivery

Pregnancy history: Normal

Family history of this or other anomaly: Negative

Abortions: Negative

Still births: Negative

Mother's age & occupation: 33 yrs., house wife

Father's age & occupation: 33 yrs., free worker  
Degree of kinship: 3<sup>rd</sup> degree



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(CASE6)

DOB: Stillbirth, 24-12-2012

Address: Fallujah- Bu'alwan subdistrict

Type of anomaly: Anencephaly, upper spina bifida, abnormally long upper & lower limbs (frog like)

Birth order & condition of other siblings: 3<sup>rd</sup>, 1 normal living sibling & 1 deformed stillbirth

Pregnancy history: Normal

Type of delivery: Normal vaginal delivery

Abortions: Negative

Stillbirths: 1

Family history of anomalies: Negative

Mother: 19 yrs., house wife

Father: 26 yrs., free worker

Degree of kinship:



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(CASE7)

DOB: 12-12-2012

Address: Fallujah (Nazzal) then Haditha for the last 2 yrs.

Birth order & condition of other siblings: 3<sup>rd</sup>, 2 normal older sisters

Diagnosis: Gastroschisis (defect very near & to the right of umbilical stump with herniation of stomach, small & large intestine) + partial syndactyly of right foot

Type of delivery: Normal vaginal delivery

Pregnancy history: Normal

Family history of this or other anomaly: Negative

Abortions: Negative

Still births: Negative

Mother's age & occupation: 21 yrs., house wife

Father's age & occupation: 41 yrs., free worker

Degree of kinship: Not relatives



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(CASE8)

DOB: 4-2012

Address: Fallujah- Jbail

Birth order & condition of other siblings: 2nd, normal older sister

Diagnosis: Bilateral club feet

Type of delivery: Normal vaginal delivery

Pregnancy history: Normal

Family history of this or other anomaly: Negative

Abortions: Negative

Still births: Negative



Mother's age & occupation: 17 yrs., house wife

Father's age & occupation: 24 yrs., free worker

Degree of kinship: 2<sup>nd</sup> degree



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(CASE9)

DOB: 21-10-2011

Address: Garmah – Ibrahim bin Ali

Birth order & condition of other siblings: 2nd, 1<sup>st</sup> sister (aged 3.4 yrs.) born with microcephaly & cerebral palsy

Diagnosis: Microcephaly

Type of delivery: Normal vaginal delivery

Pregnancy history: Normal

Family history of this or other anomaly: Negative

Abortions: Negative

Still births: Negative

Mother's age & occupation: 27 yrs., house wife

Father's age & occupation: 27 yrs., free worker

Degree of kinship: 2<sup>nd</sup> degree



(CASE10)

DOB: 17-12-2012

Address: Nu'aimeya district

Birth order & condition of other siblings: 4<sup>th</sup>, 3 normal siblings

Diagnosis: Down syndrome + congenital hydronephrosis

Type of delivery: Normal vaginal delivery

Pregnancy history: Normal

Family history of this or other anomaly: Negative

Abortions: 3 (one in 2004 and two in 2006)

Still births: Negative

Mother's age & occupation: 40 yrs., house wife

Father's age & occupation: 50 yrs., free worker

Degree of kinship: Not relatives



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(CASE11)

DOB: 2007

Address: Zowba'a

Birth order & condition of other siblings: 4<sup>th</sup>, two older normal sisters & one 7 month old normal brother

Diagnosis: Right hand acheiria

Type of delivery: Normal vaginal delivery

Pregnancy history: Normal

Family history of this or other anomaly: Negative

Abortions: Two after this child

Still births: Negative

Mother's age & occupation: 32 yrs. old, house wife

Father's age & occupation: 33 yrs., primary school teacher

Degree of kinship: 2<sup>nd</sup> degree

Additional notes: Mother developed secondary infertility for the three years following her two abortions



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(CASE12)

DOB: 12-10-2012, died shortly after birth

Address: Fallujah – A'amerya-Buhsay

Type of anomaly: Multiple (big head, club feet, arthrogyria)

Birth order & condition of other siblings: 1st

Pregnancy history: Normal

Type of delivery: Cesarean section

Abortions: 1

Stillbirths: Negative

Family history of anomalies: Positive, 3 cousins from father's side with history of consanguinity have had multiple stillbirths

Mother: 22 yrs., house wife

Father: 23 yrs., policeman

Degree of kinship: 2<sup>nd</sup> degree relatives





(CASE13)

DOB: 20-11-2012

Address: Fallujah- Joolan

Birth order & condition of other siblings: 7<sup>th</sup>, 6 normal siblings

Diagnosis: Down syndrome + ambiguous genitalia

Type of delivery: Normal vaginal delivery

Pregnancy history: Normal

Family history of this or other anomaly: Negative

Abortions: Negative

Still births: Negative

Mother's age & occupation: 38 yrs., house wife

Father's age & occupation: 33 yrs., free worker

Degree of kinship: 1<sup>st</sup> degree



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(CASE14)

DOB: 27-9-2012

Address: Fallujah – Almu'tasim district

Birth order & condition of other siblings: 2<sup>nd</sup>, normal 3 yrs. older brother

Diagnosis: Abnormal scrotum, ectopic urethral opening, congenital heart defect

Type of delivery: Cesarean section

Pregnancy history: Normal

Family history of this or other anomaly: Negative

Abortions: Negative

Still births: Negative

Mother's age & occupation: 20 yrs., house wife

Father's age & occupation: 25 yrs., free worker

Degree of kinship: 2<sup>nd</sup> degree relatives



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(CASE15)

DOB: 20-8-2012

Address: Fallujah-Sichir

Type of anomaly: Hydrocephaly, spina bifida+ meningocele

Birth order & condition of other siblings: 2nd, normal 4 year older brother

Pregnancy history: Normal, didn't take folic acid during pregnancy

Type of delivery: Normal vaginal delivery

Abortions: Negative

Stillbirths: Negative

Family history of anomalies: Negative

Mother: 32 yrs., house wife

Father: 38 yrs., farmer

Not relatives



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(CASE16)

DOB: 6-12-2012

Address: Garmah

Type of anomaly: Spina bifida + meningocele

Birth order & condition of other siblings: 1st

Pregnancy history: Normal but didn't take folic acid during pregnancy

Type of delivery: Normal vaginal delivery

Abortions: Negative

Stillbirths: Negative

Family history of anomalies: Negative

Mother: 16 yrs., house wife

Father: 32 yrs., free worker

Degree of kinship: 3<sup>rd</sup> degree



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(CASE17)

DOB: 9-9-2012

Address: Khaledeya -Jizeerah

Birth order & condition of other siblings: 3<sup>rd</sup>, normal boy born in 2011, female born with hydrocephaly in 2010 died 30 min. after birth

Diagnosis: Microcephaly, alopecia totalis, hypotonia, congenital heart defect

Type of delivery: Normal vaginal delivery

Pregnancy history: Normal

Family history of this or other anomaly: Mother's sister (whose husband is her cousin) has also had 3 stillbirths with hydrocephaly

Abortions: 1 in 2007

Still births: Negative

Mother's age & occupation: 27 yrs., house wife

Father's age & occupation: 31 yrs., primary school teacher

Degree of kinship: 1<sup>st</sup> degree



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(CASE18)

DOB: 18-12-2012, died on 19-12

Address: Fallujah- Zowba'a

Birth order & condition of other siblings: 9th

Diagnosis: Dysmorphic features, low set ears, claw hands with overlapped fingers, small penis, long toes

Type of delivery: Normal vaginal delivery

Pregnancy history: 3<sup>rd</sup> trimester bleeding

Family history of this or other anomaly: Uncle has Down syndrome

Abortions: 3

Still births: Negative

Mother's age & occupation: 37 yrs., house wife

Father's age & occupation: 35 yrs., free worker

Degree of kinship: 2<sup>nd</sup> degree



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(CASE19)

DOB: 13-9-2012

Address: Zaidan

Type of anomaly: Hydrocephalus

Birth order & condition of other siblings: 6<sup>th</sup>, normal siblings

Pregnancy history: Normal

Type of delivery: Normal vaginal delivery

Abortions: Negative

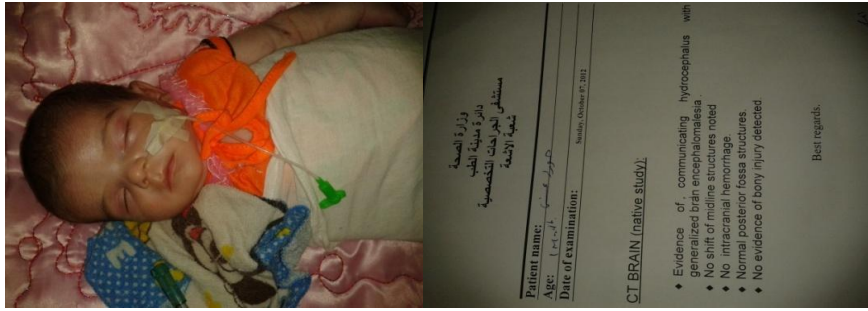
Stillbirths: Negative

Family history of anomalies: Cousin from mother's side has Down syndrome

Mother: 24 yrs., house wife

Father: 26 yrs., free worker

Degree of kinship: 2nd




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(CASE20)

DOB: 9-2012

Address: Garmah

Birth order & condition of other siblings: 7<sup>th</sup>, 6 normal siblings

Diagnosis: Hydrocephaly, operated on

Type of delivery: Normal vaginal delivery

Pregnancy history: Normal

Family history of this or other anomaly: Negative

Abortions: Negative

Still births: Negative

Mother's age & occupation: 28 yrs., house wife

Father's age & occupation: 30 yrs., free worker

Degree of kinship: 1<sup>st</sup> degree




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(CASE21)

DOB: 4-11-2012

Address: Fallujah- Joolan

Birth order & condition of other siblings: 1st

Diagnosis: Brachycephaly, congenitally amputated hands & toes (amniotic bands)

Type of delivery: Normal vaginal delivery

Pregnancy history: Normal

Family history of this or other anomaly: Negative



Abortions: Negative

Still births: Negative

Mother's age & occupation: 18 yrs., housewife

Father's age & occupation: 23 yrs., free worker

Degree of kinship: 3<sup>rd</sup> degree relatives



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(CASE22)

DOB: 25-11-2012

Address: Garmah

Type of anomaly: Cystic hygroma

Birth order & condition of other siblings: 7<sup>th</sup>, 6 normal siblings

Pregnancy history: Normal

Type of delivery: Normal vaginal delivery

Abortions: Negative

Stillbirths: Negative

Family history of anomalies: Negative

Mother: 28 yrs., house wife

Father: 32 yrs., free worker

Degree of kinship: 2<sup>nd</sup> degree



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(CASE23)

DOB: 15 – 12-2012

Address: Saglaweya

Type of anomaly: Hydrocephaly, spina bifida + meningocele

Birth order & condition of other siblings: 2<sup>nd</sup>

Pregnancy history: Normal

Type of delivery: Cesarean section

Abortions: Negative

Stillbirths: Negative

Family history of anomalies: Negative

Mother: 18 yrs., house wife

Father: 25 yrs., free worker

Degree of kinship: 2<sup>nd</sup> degree



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(CASE24)

DOB: 1-11-2012

Address: Falahat - Fallujah

Type of anomaly: Thanatophoric dysplasia + omphalocele

Birth order & condition of other siblings: 2nd, normal 1<sup>st</sup> baby

Pregnancy history: Normal

Type of delivery: Cesarean section

Abortions: 1

Stillbirths: Negative

Family history of anomalies: Unknown

Mother: 20 yrs., house wife

Father: Unknown

Degree of kinship: Unknown

