

انتشار العيوب الولادية عند الولادة في دمار التوليد الجامعي بدمشق

١٩٩٧-١٩٩٢

«لحة وبائية واعتبارات طرائقية»

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\*

الملخص

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( : % ، - ، ) / ،

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# **Birth prevalence of Birth Defects in Damascus' Maternity University Hospital**

**1992-1997**

## **“Epidemiological profile and methodological problems”**

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### **Abstract**

This paper reports a retrospective record analysis of the last six years which was done in Damascus' Maternity University Hospital, to determine the birth prevalence of birth defects, describe its pattern, and discuss methodological problems of such study. Of a total of 87638 births, 1158 cases of birth defects were found, giving a birth prevalence of 13.2/1000 livebirths and stillbirths (95% CI: 12.8-13.6). The most frequent defects were the neural tube defects which accounted for 51.6 % of total defects. A statistically significant linear trend of increasing NTDs was noticed. This study highlights the necessity of applying available strategies of preventing the preventable neural tube defects. It also suggests the establishment of special registry of birth defects to determine prevalence, trends and their determinants

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«لمحة وبائية واعتبارات طرائقية»

المقدمة

Congenital anomaly

(WHO, 1996) .  
- %  
(Behrman & Kliegman, 1995) .

(Oakley & Heath, 1996) .

( )  
(Abu-Rashid et al., 1996) . ( )  
( ) .

Birth prevalence

المواد والطرق

الجمهرة المدروسة

%

( )

طريقة الدراسة

Historic Medical Records

Retrospective

( )

case ascertainment

Morphology

(WHO, 1992)

Liveborn

Still

birth

## التحليل الإحصائي

(Poisson)

/  
%

. (Armitage & Berry, 1987)

Significance level

$\chi^2$

Logistic regression

.Schlesselman, 1982

Statistical Package

.for Social Sciences

## النتائج

تقدير معدلات الانتشار

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** %	/	*		
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, - ,	,			
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, - ,	,			
, - ,	,			-

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%

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/

.Isolated cases.

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		/			
,	,	,		Q00	Anencephaly
,	,	,		Q01	Encephalocele
		,		Q03	Hydrocephalus
,	,	,		Q35-Q37	/ Cleft lip / palate

-		,		Q66	Malformations of the feet
-		,		Q90	Down Syndrome

Neural Tube Defects (NTDs)

( ) % , % ,

( ) % ,

### خواص الحالات المسجلة من العيوب الولادية

(% , )  
 % , ( )  
 % , ( )  
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 (% , ) % ,  
 % , .Hydramnios  
 (% )  
 % ,

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عيوب الأنبوب العصبي

.spina bifida

$\chi^2$  for linear trend

* Ratio	

p<0.0001 , =

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/ \*

(p<0.001) , :

% ,

:

(p<0.001) ,

( ) Relative odds

Logistic Regression

( , - : % )

الناقشة

.( / , )

overestimation

(% , )

.( )

underestimation

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( ) Sorensen

Degree of Completeness

. %

% , ) ( % , )  
. (

Alpha Fetoprotein

(CDC, 1995; Julian-Reynier et al., 1994; Roberts et al., 1995; Velie  
& Shaw, 1996).

Karyotyping

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(Dolk & De Wals, 1992) .

(Dolk & De Wals, 1992) / ,  
(CDC, 1996) / ,

& CDC, 1992; Oakley ( )  
(Heath , 1996; Shaw et al., 1995

Independent

predictor

Birth defects' registries  
(CDC, 1996; Christensen & Knudsen, 1998) Thalidomide

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Sorensen )

.(& Schulze, 1996

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