

Horizontal hepatitis B virus transmission through non-sexual close contact in Turkish chronic hepatitis B patients living outside of Turkey.  
Supplementary material

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All CHB patients visting OPD MUMC+  
or ZOL between December 2009-2014  
**(n=166)**

**Primary objective**

- prevalence of horizontal transmission  
through non-sexual close contact

Sub-analysis in three major COO groups:  
Dutch/Belgian, Turkish and Chinese  
**(n=96)**

**Secondary objective**

- comparison of the prevalence of  
horizontal transmission through non-  
sexual close contact between the three  
major ethnic groups

Dutch/Belgian  
**(n=40)**

Turkish **(n=38)**

Chinese **(n=18)**

## Tables

**Table 1. HBV transmission routes in Maastricht, the Netherlands and Genk, Belgium.**

<b>Transmission</b>	<b>Maastricht (n=98)</b>	<b>Genk (n=68)</b>	<b>p-value</b>
<b>Horizontal through non-sexual close contact, n (%)</b>	1/69 (1)	8/36 (22)	0.001
<b>Vertical, n (%)</b>	40/69 (58)	14/36 (39)	0.063
<b>Sexual, n (%)</b>	16/69 (23)	8/36 (22)	0.911
<b>Parenteral, n (%)</b>	12/69 (17)	6/36 (17)	0.925
<b>Unknown, n (%)</b>	29/98 (30)	32/98 (47)	0.022

Abbreviations: HBV: hepatitis B virus.

**Table 2. HBV baseline characteristics for the COO groups.**

<b>Feature HBV</b>	<b>NL/BE</b>	<b>TR</b>	<b>CN</b>	<b>p-value</b>
	<b>(n=40)</b>	<b>(n=38)</b>	<b>(n=18)</b>	
<b>Age, years</b>				
<b>Mean <math>\pm</math> SEM</b>	50 $\pm$ 2.1	44 $\pm$ 1.9	42 $\pm$ 2.9	0.043
<b>Male, n (%)</b>	29 (73)	29 (76)	9 (50)	0.119
<b>SES L/M/H, n (%)</b>	10//14/6 (33/47/20)	20/12/2 (59/35/6)	0/15/3 (0/83/17)	0.001
<b>Risk factors, n (%)</b>				
<b>Infected family member</b>	5 (12)	21 (55)	16 (89)	<0.001
<b>IDU</b>	6 (15)	1 (3)	0 (0)	0.056
<b>Blood transfusion</b>	2 (5)	1 (3)	0 (0)	0.584
<b>Dialysis</b>	1 (2)	0 (0)	0 (0)	1.000
<b>MSM</b>	7 (18)	0 (0)	0 (0)	0.005
<b>More than one risk factor</b>	3 (8)	0 (0)	0 (0)	0.217
<b>None</b>	16 (40)	15 (39)	2 (11)	0.070
<b>Anti-HCV positivity, n (%)</b>	5 (13)	0 (0)	0 (0)	0.032
<b>Anti-HIV positivity, n (%)</b>	7 (18)	0 (0)	0 (0)	0.006
<b>Anti-HDV positivity, n (%)</b>	1 (3)	1 (6)	1 (6)	1.000

Abbreviations: HBV: hepatitis B virus; COO (country of origin, i.e. mother's country of birth); NL/BE: Dutch/Belgian origin; TR: Turkish origin; CN: Chinese origin; SES: socioeconomic status; L/M/H: Low/Middle/High; IDU: intravenous drug use; MSM: men who have sex with men; HCV: hepatitis C virus; HDV: hepatitis Delta virus; SEM: standard error of the mean deviation.

**Table 3. HBV transmission routes for the COO groups.**

<b>Transmission</b>	<b>NL/BE</b>	<b>TR</b>	<b>CN</b>	<b>p-value</b>
	<b>(n=40)</b>	<b>(n=38)</b>	<b>(n=18)</b>	
<b>Horizontal through non-sexual close contact, n (%)</b>	1/23 (4)	7/23 (30)	1/16 (6)	0.030
<b>Vertical, n (%)</b>	4/23 (17)	10/23 (44)	15/16 (94)	<0.001
<b>Sexual, n (%)</b>	11/23 (48)	5/23 (22)	0/16 (0)	0.003
<b>Parenteral, n (%)</b>	7/23 (31)	1/23 (4)	0/16 (0)	0.009
<b>Unknown, n (%)</b>	17/40 (43)	15/38 (40)	2/18 (11)	0.055

Abbreviations: HBV: hepatitis B virus; COO (country of origin, i.e. mother's country of birth); NL/BE: Dutch/Belgian origin; TR: Turkish origin; CN: Chinese origin.