

	Risk of bias							
	D1	D2	D3	D4	D5	D6	D7	D8
Robertson et al. 1998	+	X	X	+	+	+	+	-
Bom et al. 1999	+	+	X	-	+	+	+	+
De Kok et al. 1999	X	X	X	+	+	+	+	+
Fransen et al. 1999	X	X	X	+	+	+	+	-
Verhagen et al. 2000	+	+	+	+	+	+	X	X
Khetarpal. et al. 2000	X	+	X	-	X	+	-	-
Verstreken et al. 2001	X	X	+	+	+	+	X	+
Bom et al. 2001	X	+	+	-	+		-	X
Verhagen et al. 2001	+	+	X	-	+	+	-	+
Kamarinos et al. 2001	+	X	X	+	-	-	+	-
Bom et al. 2003	X	+	-	+	+		+	+
Lemaire et al. 2003	+	X	X	+	+	+	-	+
Usami et al. 2003	+	+	X	+	+	+	+	+
Bisschoff et al. 2005	+	+	X	-	+	+	X	+
Kemperman et al. 2005	+	X	+	+	+	+	+	+
Nagy et al. 2005	+	+	X	+	+	-	+	X
Street et al. 2005	+	X	+	+	+	+	+	-
Pauw et al. 2007a	X	+	X	+	+	+	+	+
Pauw et al. 2007b	+	+	+	+	+	+	+	+
Collin et al. 2006	+	X	+	+	+	+	+	-
Yuan et al. 2008	X	+	X	+	+	+	+	X
Hildebrand et al. 2009	+	X	X	-	+	X	-	+
McComiskey et al. 2010	+	+	+	+	+	X	-	+
Baek et al. 2010	+	+	+	+	+	+	+	X
Hildebrand et al. 2010	+	X	X	+	+	+	+	-
Pauw et al. 2011	+	+	+	+	+	X	+	-
Fal.etra et al. 2011	+	+	+	+	+	+	+	X
Cho et al. 2012	+	+	+	+	+	+	+	X
Choi et al. 2013	+	+	X	+	+		+	+
Chen et al. 2013	+	+	+	+	+	+	+	+
Gao et al. 2013	+	+	X	+	+		+	-
Galant et al. 2013	+	+	X	+	-		+	-
Wei et al. 2014	+	+	+	+	+	X	+	-
Chang et al. 2014	+	+	X	+	+	+	+	X
de Varebeke et al. 2014	X	+	+	-	+	+	-	+
Tsukada et al. 2015	+	X	+	+	+	+	+	X
Jung et al. 2015	+	X	X	+	+	+	+	-
Kim et al. 2015	X	+	-	+	+		+	+
Kim et al. 2016	+	+	+	+	+	+	+	-
Gu et al. 2016	+	X	X	+	+	+	+	X
Burgess et al. 2016	+	+	+	+	+		-	+
SloanHighHeggen et al. 2016	+	+	+	+	+	X	+	+
Wang et al. 2017	X	+	+	+	+	+	+	-
Parzefal et al. 2018	+	+	+	+	+		+	-
Alberts et al. 2018	+	+	+	+		+	+	-
Oziebło et al. 2018	X	+	+	+	+	+	+	+
Basu et al. 2019	X	+	X	+			+	+
Smits et al. 2020	+	+	+	+	+	+	+	-

D1: Selective inclusion
 D2: Selective loss to follow-up
 D3: Selective reporting
 D4: Genotype assessment
 D5: Audiologic phenotype assessment
 D6: Vestibular phenotype assessment
 D7: Population stratification
 D8: Other confounders

Judgement
 X High
 - Unclear
 + Low
 Not applicable