

	Questions		Pts	Content	Criteria for pts
Sample	How do you select cases and controls for your study?		4	Cases - children aged 0-19 diagnosed with Type II diabetes from Brno Children's Hospital clinic; cases can also come from the general population and be screened using Hba1c, fasting glucose or similar	Need to provide full definition
				Controls - children without diabetes from the same age group and geographical area (from pediatricians); cases can also come from the general population and be screened.	Need to provide full definition
Methods	How do you measure the exposure?		2	For example: FFQ or other dietary questionnaire; food diary; interview	Can be just one or two
	What other variables do you need to consider?		2	For example: family history of diabetes, gender, age, physical activity, SES, BMI, hormonal disease, pubertal status	At least 3-4 variables
Bias	How do you address confounding	at the study design stage	3	Case matching, exclusion criteria	Should mention matching at least one
		at the analysis stage	2	including control variables (multiple regression analysis); stratifying by subgroups; analyses employing matching; adjustment for confounders/influential variables	At least one option
	How do you deal with bias:				
		selection bias	2	multiple sites of recruitment (multiple pediatricians), random sampling, stratified sampling; good definition of cases & controls; controls coming from same underlying population as cases	At least one option
		recall bias	2	providing guidelines, food diaries that need to be frequently updated, reference portion sizes, minimize recall period, proxy reporting	At least two options
		reporting bias	2	anonymity of reporting, neutral and non-judgment environment, behavioral observation	At least one option
		misclassification of exposure	3	using validated instruments that represent the actual diet of the population; confirming intake by observation; avoiding categorization, for example into low/high	At least one option
Generalizability	Who is the study generalizable to?		2	generalizable to children aged 0-19 years in Brno, Czech Republic; depends on how cases & controls selected -from clinical population or from general population.	Should mention at least that
Analysis	What measure of association would you use?		2	Odds ratio	Need to mention OR
		Why?	2	OR is suitable for case-control study	Mention that
	How would you check for effect modification by age?		2	stratified analysis; including interaction term in the model	At least one option