	Helpful to improve the utility of BIA in pediatrics	Harmful to improve the utility of BIA in pediatrics
Internal origin attributes of the BIA method	Low cost Portable Ease of use Non-invasive No radiation exposure	WEAKNESS Doubly indirect method Assumptions may be violated by rapid changes in hydration and body shape Equations must be population-specific and device-specific Manufacturers may not provide details on how equations have been constructed (e.g., population, reference standard) Devices may not generate raw BIA outputs Inability to compare bioimpedance data across devices, especially between those that used different reference methods Lack of protocol standardization
External origin attributes of environment	OPPORTUNITIES Solve technical issues Investigate the validity of longitudinal BIA measurements and the specific BIVA Examine the predictive ability of phase angle measured at different frequencies Compute reference data for BIA estimates that are device-specific and population-specific Establish a standard protocol Improve reporting of procedures Develop partnerships between industry and academic researchers	 THREATS Conflict of interests Costs Standard reference methods are not free of error Interindividual variability between testing subjects