Device	Туре	Advantages	Disadvantages
Pressurisedmetered-dose inhalers (pMDI's)	CFC driven (obsolete)	Portable and compact	Ozone-depleting properties (CFC driven)
	HFA driven	Independent of inspiratory flow	Better perform with spacers (CFC driven)
	Breath-actuated	Reproducible dosing	Need to be shaken prior use (CFC driven)
		No contamination risk	Require coordination between actuation and inspiration (CFC and HFA driven)
		Quick and easy to use	High oropharyngeal deposition
		Wide variety of drugs available	Cold Freon effect
		Low cost	
Dry powderinhalers (DPI's)	Single-dose	Portable and compact	Inspiratory flow dependent
	Multi-dose	Do not require coordination	Poor dose reproducibility
	Power-assisted	Quick and easy to use	Affected by environmental factors (i.e. humidity)
		No spacer required	
Soft-mist inhaler		Portable	Dose loading into device
		Slow velocity aerosol	
		Long plume duration	
		Does not require coordination	
		No propellant	
		No spacer required	
Nebulisers	Jet	Propellant free	Bulky equipment
	Vibrating mesh	High patient's adherence	More complex use
	Ultrasonic	Slow velocity aeroso	Power source
			Requires frequent cleaning

Table 1 Principal features of available inhalers (Adopted from Bonini and Usmani, 2015)