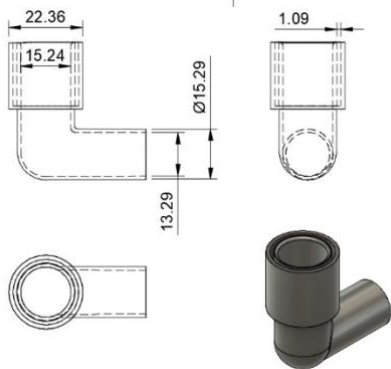
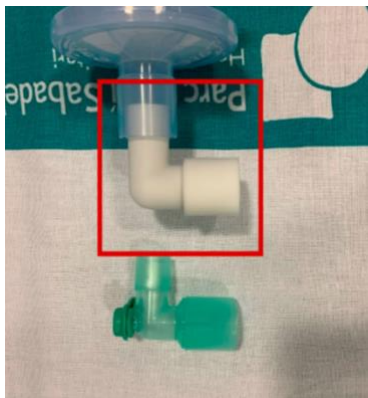
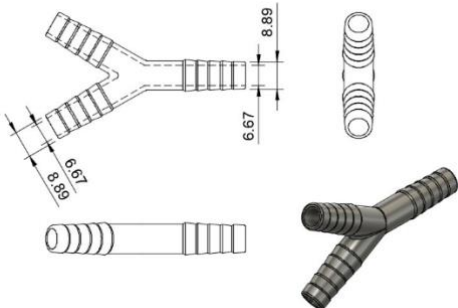
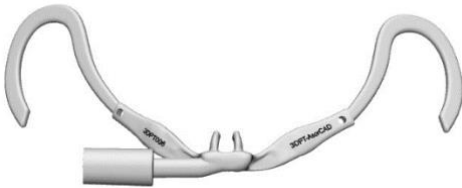
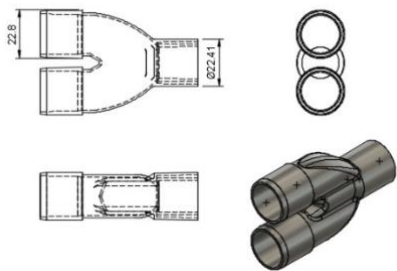


Additional file 1

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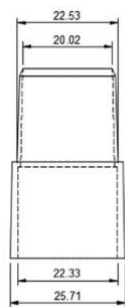
1.- Table S1.- Catalogue of validated 3D-printed medical devices.....	2
2.- Table S2.- Number, type, and material of items manufactured by 3D printing ...	11

1.- Table S1.- Catalogue of validated 3D-printed medical devices

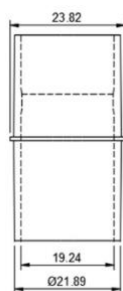
Category	Virtual Model	3D-printed unit
Airway connectors and replacements	3DPT001	
		
	3DPT005	
		
	3DPT006	
		
	3DPT007	
		

Airway connectors and replacements

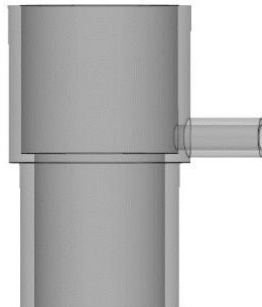
3DPT008



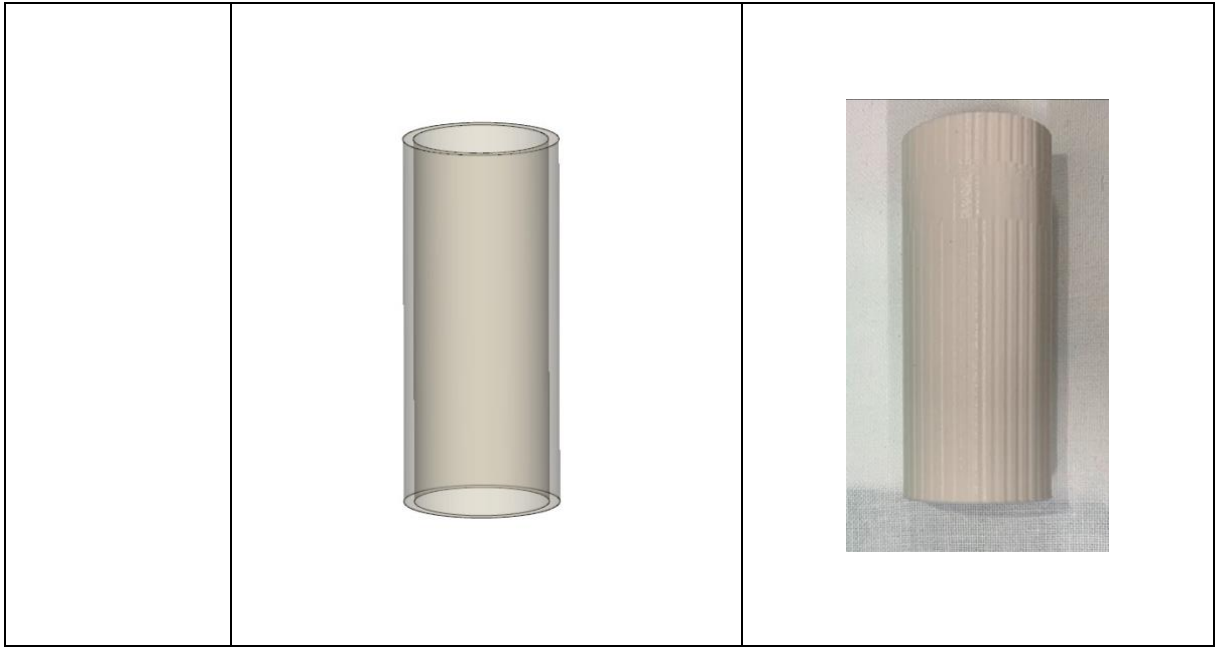
3DPT009

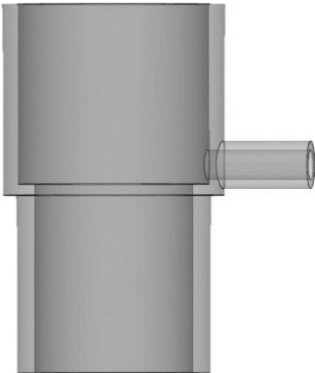
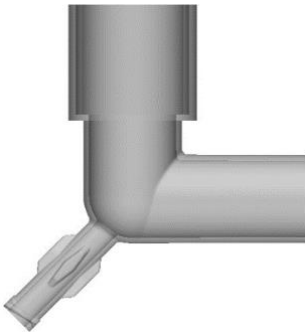
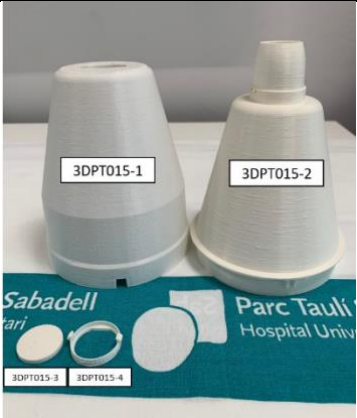


3DPT010



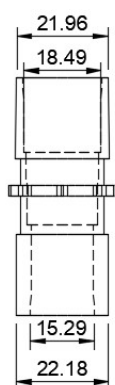
3DPT011



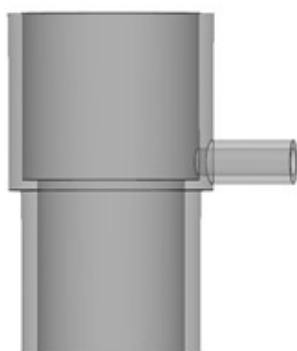
Airway connectors and replacements	3DPT012	
		
	3DPT013	
		
	3DPT014	
		
	3DPT015	
		

Airway connectors and replacements

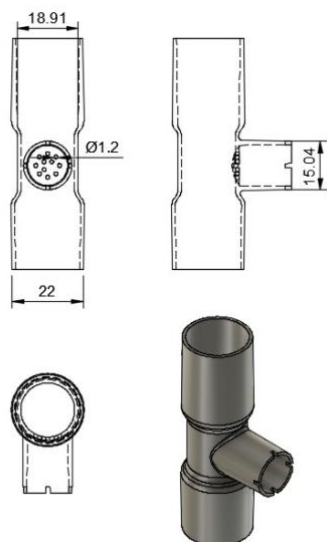
3DPT016



3DPT018

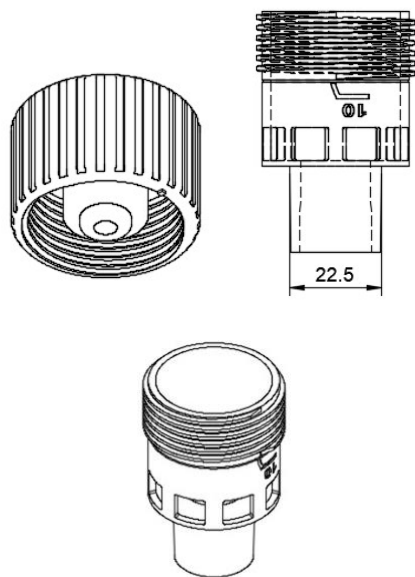


3DP019

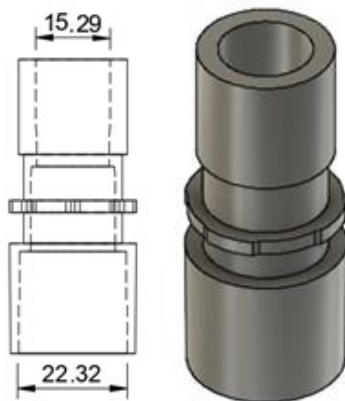


Airway connectors and replacements

3DPT022



3DPT024

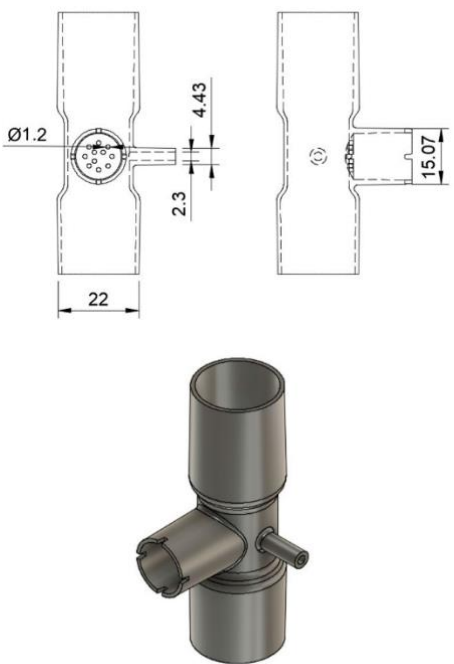
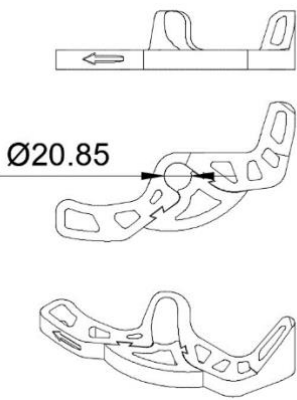
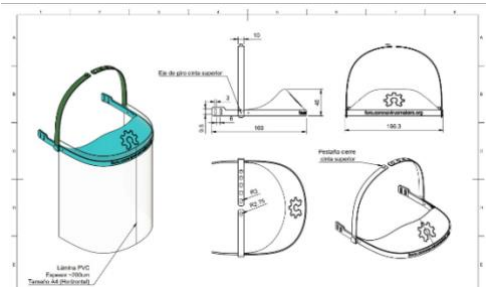


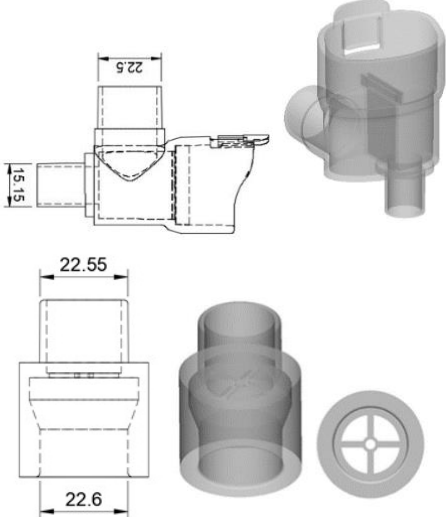
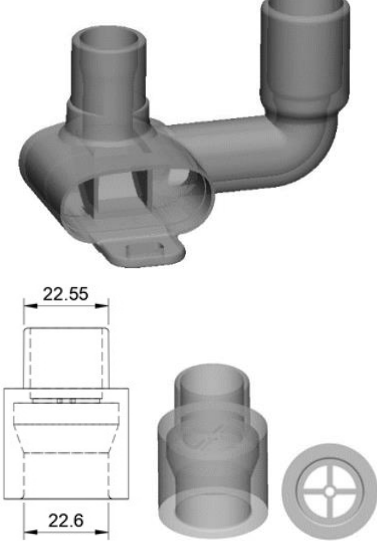
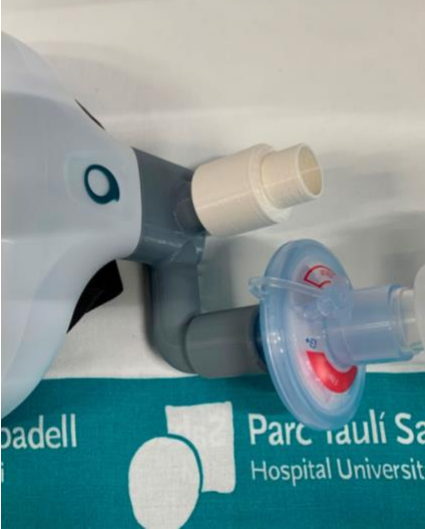
3DPT025

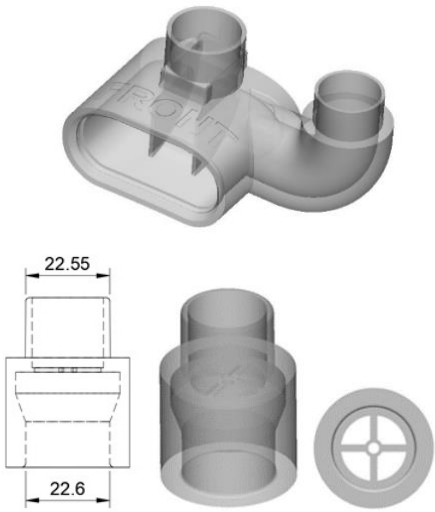


3DPT026



	3DPT027  
Protection and Prevention Systems	3DPT002  
	3DPT020-HSJ  

	3DPT031  
Non-invasive Ventilation	3DPT021 (including 3DPT021-1 and 3DPT021-2)  
	3DPT023 (including 3DPT023-1 and 3DPT023-2)  

3DPT033 (including 3DPT033-1 and 3DPT033-2)		
	 3D CAD model of a custom part. The main view shows a grey, L-shaped component with two cylindrical ports. Dimensions are indicated: 22.55 for the top flange width and 22.6 for the bottom flange width. Below the main view is an exploded view showing a cylindrical sleeve and a circular flange with a cross-shaped hole.	 Photograph showing the custom part installed on a water tap. A hand in a purple glove is adjusting the part. The part is connected to a clear plastic tube leading to a collection bottle. The background shows a blue water dispenser and a green sign with text: "rc Tauli S", "pital Universit", and "Parc".

2.- Table S2.-Number, type, and material of items manufactured by 3D printing.

MATERIALS

ID	PA12	PA2200	Dental Photoreactive Resin	ABS Medical	PET-G	PC	PLA	Other Biocompatible Materials	Unknown materials or Origin	TOTAL
3DPT001	767	44	66	82	44	-	323	23	112	1461
3DPT002	1	-	-	-	-	-	161	-	-	162
3DPT005	332	-	346	395	148	-	320	17	95	1653
3DPT006	2	-	2	-	4	-	-	217	4	229
3DPT007	319	-	367	339	67	-	639	14	187	1932
3DPT008	243	-	186	133	2	30	1121	249	696	2660
3DPT009	240	-	151	39	2	50	1248	26	463	2219
3DPT010	146	-	70	53	3	-	202	26	31	531
3DPT011	178	-	113	-	3	30	93	19	7	443
3DPT012	143	-	47	73	18	-	134	29	20	464
3DPT013	626	-	259	1174	6	-	410	37	37	2549
3DPT014	165	-	86	-	2	-	177	30	44	504
3DPT016	11	-	156	108	1	-	201	130	29	636
3DPT018	21	-	-	114	5	-	89	244	43	516
3DPT019	42	-	8	102	39	-	347	269	100	907
3DPT020	1	-	-	-	-	-	187	-	-	188
3DPT021-1	185	-	65	23	-	-	21	75	-	369
3DPT021-2	239	-	67	31	133	-	72	68	66	676
3DPT022	-	-	-	20	-	-	10	-	-	30
3DPT023-1	-	-	-	-	-	-	10	-	-	10
3DPT023-2	-	-	-	-	-	-	10	-	-	10
3DPT024	24	-	2	69	-	-	183	104	41	423
3DPT025	2	-	43	-	294	-	-	1042	20	1401
3DPT026	-	61	-	-	2	-	36	43	-	142
3DPT027	-	-	-	-	-	-	85	-	-	85
3DPT029	-	-	4	-	-	-	-	-	-	4
3DPT031	-	-	-	-	-	-	1841	-	-	1841
3DPT033	4	-	-	-	-	-	4	-	-	8

Others	-	-	-	-	-	30	-	-	110	140
TOTAL	3691	105	2038	2755	773	140	7924	2662	2105	22193

Abbreviations: PA12, Polyamide 12; PA2200, Polyamide 2200; ABS, Acrylonitrile butadiene styrene; PET-G, Polyethylene terephthalate glycol; PC, Polycarbonate; PLA, Polylactic acid.