S1 Table. Characteristics of human cases due to Chrysomya bezziana myiasis recorded worldwide.

ID	Age	Sex	Year	Country	Location	Socioeconomic status	Site of infestation	Methods for removal of larvae	Underlying diseases	Clinical signs and symptoms	Outcome
1 ⁷⁰	49	F	2004	China	Hong Kong	The elderly home	Torso: left breast	Surgical removal	Left breast cancer	Bleeding, discharge, ulcer, noticed larvae	NR
2 ⁷¹	81	F	2005	China	Hong Kong	The elderly home	Mouth	NR	Bedridden, ulcer	Bleeding, noticed larvae	Death (septicemia)**
3 ⁷²	79	F	2005	China	Hong Kong	The elderly home	Mouth	NR	Bedridden	Bleeding, chills, noticed larvae	Death (NR)**
4 ⁷³	78	F	2005	China	Hong Kong	An extended care hospital	Mouth	Surgical removal	NR	Swollen, bleeding	Stable
5 ⁷⁴	50	F	2005	China	Hong Kong	NR	Limb: left lower limb	NR	Ulcer	NR	Stable
6 ⁷⁵	66	M	2006	China	Hong Kong	NR	Scalp	NR	Scalp wound	Noticed larvae	Stable
7 ⁷⁶	49	M	2006	China	Hong Kong	NR	Perineal & inguinal regions:	NR	NR	Pain, noticed larvae	Stable
8 ⁷⁷	79	M	2006	China	Hong Kong	The elderly home	Mouth	Surgical removal	Bedridden	Bleeding, ulcer, noticed larvae	Stable
9 ⁷⁸	93	F	2007	China	Hong Kong	The elderly home	Mouth: right lower gum	Surgical removal	Bedridden, stroke	Bleeding, fever	Stable
10 ⁷⁹	49	M	2010	China	Hong Kong	NR	Torso: right shoulder	NR	Nasopharyngeal carcinoma, slipped and fell into a valley, a shoulder wound	Noticed larvae	Stable
11 ⁸⁰	31	F	2010	China	Hong Kong (Indonesian)	NR	Torso: back	NR	Infection: ruptured back mass, wound	Bleeding, discharge, noticed larvae	Stable
12 ⁸⁰	93	F	2010	China	Hong Kong	The elderly home	Mouth	NR	Multiple underlying illnesses, bedridden, dementia, tube feeding	Fever, ulcer	Death (underlying illnesses)**
13 ²⁹	78	F	2010	China	Hong Kong	The elderly home	Mouth	NR	Bedridden	Bleeding, noticed larvae	Discharged
14 ²⁹	81	M	2010	China	Hong Kong	The elderly home	Torso: sacral sore	NR	Bedridden, dementia, multiple bed sores, infections	Noticed larvae	Death (NR)**
15 ²⁹	80	F	2010	China	Hong Kong	The elderly home	Tracheostomy	NR	Bedridden, tracheostomy wound	Bleeding, noticed larvae	Stable
16 ⁸¹	89	F	2010	China	Hong Kong	NR	Limb: left foot	NR	Slipped and an injury over her left foot, infection: later developed gangrene, wound	Necrosis	Stable
17 ⁸¹	88	F	2010	China	Hong Kong	The elderly home	Mouth	NR	Bedridden, tube feeding	Bleeding, noticed larvae	Stable
18 ²⁵	89	F	2011	China	Hong Kong	Home	Limb: right foot	Surgical removal, below knee amputation due to extensive ulceration	Multiple underlying illnesses, hypertension, stroke, diabetes mellitus, diabetic ulcer	Noticed larvae, severe tissues and/or bone destruction	Stable
19 ⁸²	83	F	2011	China	Hong Kong	The elderly home	Limb: right foot	Manual removal, surgical removal	Peripheral vascular disease with chronic ulcers on both legs	Noticed larvae	Stable
20 ⁸³	82	M	2011	China	Hong Kong	home	Limb: right toe	Manual removal	Multiple underlying illnesses, dementia, hypertension, stroke, right toe ulcer	Noticed larvae, fever	Recovery/discharged
21 ⁸⁴	80	F	2011	China	Hong Kong	NR	Mouth: gum	Manual removal	Multiple underlying illnesses, bedridden	Bleeding, noticed larvae	Recovery/discharged
22 ⁸⁴	82	M	2011	China	Hong Kong	The elderly home	Mouth	Manual removal	Multiple underlying illnesses, bedridden, stroke, dementia, hypertension, chest infection	Fever, swollen, noticed larvae	Death (Pneumonia)**
23 ⁸⁵	94	F	2011	China	Hong Kong	The elderly home	Mouth	Manual removal	Dementia,bedridden	Fever, noticed larvae	Stable
24 ⁸⁶	94	F	2011	China	Hong Kong	The elderly home	Ear	Manual removal	Multiple underlying illnesses, ear infection: chronic otitis media, hypertension, stroke, dementia, bedridden	Discharge, noticed larvae	Stable
25 ⁸⁷	79	F	2011	China	Hong Kong	The elderly home	Mouth	Manual removal	Multiple underlying illnesses, tube feeding, hypertension, stroke, pneumonia	Fever, noticed larvae	Death (Pneumonia)**
26 ³⁰	47	M	2012	China	Hong Kong	Home	Tracheostomy	Manual removal	Nasopharyngeal carcinoma	Fever, discharge, noticed larvae	Stable
27 ⁸⁸	51	M	2012	China	Hong Kong	The elderly home	Limb: right big toe	Manual removal, surgical removal, antibiotics	Ulcer	Swollen, bleeding, fever, noticed larvae	Recovery/discharged
28 ⁸⁸	84	M	2012	China	Hong Kong	The elderly home	Mouth	Manual removal	Multiple underlying illnesses	Fever, noticed larvae	Stable
29 ⁸⁸	88	M	2012	China	Hong Kong	The elderly home	Mouth: upper lip, hard palate	NR	Multiple underlying illnesses	Noticed larvae, necrosis, swollen	Stable
30 ⁸⁹	83	M	2013	China	Hong Kong	The elderly home	Limb: left forearm	NR	Multiple underlying illnesses, bedridden, ulcer	Noticed larvae	NR
31 ⁸⁹	73	F	2013	China	Hong Kong	The elderly home	Mouth: upper palate	Manual removal	Multiple underlying illnesses, bedridden, tube feeding	Noticed larvae	Recovery/discharged
32 ⁹⁰	69	M	2013	China	Hong Kong	The elderly home	Mouth: the hard palate	Manual removal	Multiple underlying illnesses, wheelchair bound, pneumonia	Fever, swollen, bleeding, necrosis	Death (NR)**
33 ⁹¹	90	F	2013	China	Hong Kong	The elderly home	Mouth: gum, the upper palate	Manual removal	Multiple underlying illnesses, bedridden, tube feeding, pneumonia	Swollen, bleeding, ulcer, noticed larvae	Death (Pneumonia)**
34 ⁹²	80	F	2013	China	Hong Kong	The elderly home	Mouth	Surgical removal	Multiple underlying illnesses, bedridden, tube feeding	Noticed larvae	Stable, discharged Death (underlying
35 ⁹³	91	M	2015	China	Hong Kong	The elderly home	Mouth	NR	Multiple underlying illnesses, bedridden, tube feeding	Feeding problem, noticed larvae, ulcer	illnesses)**
36 ⁹⁴	67	M	2015	China	Hong Kong	RCHE	Mouth: right upper lip, palate	Manual removal	Multiple underlying illnesses, bedridden	Necrosis, bleeding, noticed larvae	Stable
37 ⁹⁵	74	M	2015	China	Hong Kong	RCHE	Mouth	Antibiotics	Multiple underlying illnesses, chest infection, bedridden	Bleeding, noticed larvae	Death (Pneumonia)**
38 ⁹⁶	95	M	2015	China	Hong Kong	RCHE	Mouth Mouth: right upper lip, upper	NR	Multiple underlying illnesses, tube feeding, bedridden	Ulcer, noticed larvae	Death (NR)**
39 ⁹⁷	67	M	2015	China	Hong Kong	RCHE	palate	Manual removal	Multiple underlying illnesses, bedridden	Necrosis, bleeding, noticed larvae, ulcer	Stable
40 ⁹⁸	71	M	2015	China	Hong Kong	RCHE	Mouth	NR	Multiple underlying illnesses, bedridden, chest infection	Bleeding, noticed larvae	Death (Pneumonia)**
41 ⁹⁹	89	F	2016	China	Hong Kong	RCHE	Mouth	Manual removal	Multiple underlying illnesses, bedridden, tube feeding	Swollen, noticed larvae	Recovery/discharged

42 ⁹⁹	99	88	M	2016	China	Hong Kong	RCHE	Mouth	NR	Multiple underlying illnesses, bedridden, tube feeding	Noticed larvae	Stable
43 ¹⁰	00	80	M	2016	China	Hong Kong	NR	Limb: left ankle	Manual removal	Multiple underlying illness, chronic left ankle ulcer	Noticed larvae	Stable
44 ¹⁰	00	95	F	2016	China	Hong Kong	RCHE	Limb: right big toe	NR	Multiple underlying illness, trauma	Noticed larvae	Recovery/discharged
45 ¹⁰	01	46	F	2016	China	Hong Kong	Home	Torso: right breast	Manual removal	Multiple underlying illnesses, right breast wound	Noticed larvae	Recovery/discharged
46 ¹⁰	02	88	M	2017	China	Hong Kong	RCHE	Mouth	Manual removal	Multiple underlying illnesses, debility	Noticed larvae	Stable
47 ¹⁰	03	65	M	2018	China	Hong Kong	Low, RCHE	Mouth: palate	Manual removal, antibiotics	Infection: left dental abscess, ulcer	Fever,swollen, extensive palatal ulcers, noticed larvae	Stable, discharged
48 ¹⁰	03	83	F	2018	China	Hong Kong	Low, RCHE	Mouth	Manual removal, antibiotics	Multiple underlying illnesses, large ulcer	Gum bleeding, a large ulcer, noticed larvae	Death (NR)**
49 ⁵³	53	96	M	2005	China	Hong Kong	Nursing home	Mouth	Manual removal, antibiotics, suffocating agent: turpentine	Multiple underlying illnesses, carcinoma of the lung and prostate, dementia, bedridden, infection: severe pneumonia	Fever, noticed larvae, ulcer, discharge, necrosis	Death (Pneumonia)**
50 ⁵³	53	85	M	2005	China	Hong Kong	Home	Face: tumour base	Manual removal, antibiotics, suffocating agent: turpentine	Multiple underlying illnesses, stroke, gout, hypertension, left facial basal cell carcinoma, ulcer, semi-bedridden	Ulcer, noticed larvae	Recovery/discharged
51 ⁵³	53	90	F	2011	China	Hong Kong	Nursing home	Eye	Manual removal, antibiotics, suffocating agent: turpentine	Multiple underlying illnesses, Chronic obstructive pulmonary disease, stroke, dementia, bedridden, right eyelid squamous cell carcinoma, Infection: old tuberculosis and aspergillosis	Swollen, discharge, noticed larvae	Death (Myocardial infarction)**
52 ⁴⁸	48	89	F	2002	China	Hong Kong	NR	Mouth	Manual removal, surgical removal, broad-spectrum antibiotics therapy	Multiple underlying illnesses, stroke, tube feeding, cariovascular disease, bedridden, Infection: pulmonary tuberculosis, herpes simplex stomatitis, chest infection	Fever, ulcer, noticed larvae	Death (Congestive heart failure and nosocomial chest infection)**
53 ¹⁸	18	90	F	2003	China	Hong Kong	RCHE	Eye: right orbit, right upper and lower eyelids	Surgical removal	Multiple underlying illnesses, COPD, dementia, bedridden, squamous cell carcinoma of eyelid with ulcer, infections: old tuberculosis and aspergillosis	Bleeding, discharge, noticed larvae, necrosis, severe tissues and/or bone destruction: eyeball and the ocular tissues destroyed	Death (COPD and Myocardial infarction)**
54 ²⁰	26	89	F	2002	China	Hong Kong	Nursing home	Mouth: palate, jaw	Manual removal, surgical removal	Stroke, dementia, bedridden, tube feeding	Noticed larvae	Death (Pneumonia)**
55 ²⁶	26	69	F	2002	China	Hong Kong	Nursing home	Mouth: palate, jaw	Manual removal, surgical removal	Stroke, dementia, bedridden, tube feeding, oral ulcer	Bleeding	Recovery/discharged
56 ²⁰	26	88	M	2002	China	Hong Kong	Nursing home	Mouth: palate, jaw	Manual removal, surgical removal	Dementia, bedridden, tube feeding	Noticed larvae, ulcer, severe tissues and/or bone destruction: extensive destroy of tissues, bone and teeth	Recovery/discharged
57 ²⁰	26	77	F	2002	China	Hong Kong	Nursing home	Mouth: palate, subclavian sinus	NR	Dementia, bedridden, tube feeding	Noticed larvae, bleeding	Death (Pneumonia)**
58 ²⁰	26	79	F	2003	China	Hong Kong	Nursing home	Perineal & inguinal regions:	Manual removal	Hypertension, dementia, bedridden, tube feeding, wound: sacral bed sore	Noticed larvae	Recovery/discharged
59 ²⁰	26	71	M	2003	China	Hong Kong	Nursing home	Limb: foot	Manual removal, antibiotics, surgical removal and toe amputation	Diabetes mellitus, diabetic foot ulcer, blindness	Fever, discharge, foul smell, noticed larvae, severe tissues and/or bone destruction	Recovery/discharged
60 ²⁰	26	96	M	2003	China	Hong Kong	Nursing home	Mouth: hard palate, maxillary sinuses	Manual removal, antibiotics	Carcinoma of the prostate, dementia, bedridden	Fever, secondary infection	Death (Pneumonia)**
61 ¹⁰	04	90	F	2004	China	Hong Kong	The elderly home	Mouth	Manual removal, surgical removal, antibiotics	Multiple underlying illnesses, bedridden, tube feeding, diabetes mellitus, hypertension, dementia and haemorrhagic stroke with limb contractures, bacterial infection	Fever, swollen, bleeding, noticed larvae, necrosis	Recovery
62 ¹⁰	05	68	M	2005	China	Hong Kong	A street sleeper, poor, low	Limb: the right ankle	Suffocating agent: turpentine, surgical removal	Ulcer	Ulcer, bleeding, noticed larvae	Recovery/discharged
63 ¹⁰	05	90	F	2005	China	Hong Kong	NR	Mouth	Manual removal, surgical removal, antibiotics	Mental illness, tube feeding, bedridden	Ulcer, noticed larvae, necrosis	Recovery/discharged
64 ¹⁰	06	86	F	2014	China	Hong Kong	Home, rural	Limb: left foot	Manual removal, surgical removal, antibiotics	Left foot erythema, ulcer, infection	Noticed larvae	Recovery
65 ¹⁰	06	74	M	2014	China	Hong Kong	Rural	Limb: right foot	Manual removal, surgical removal, antibiotics	End-stage renal disease, right foot trauma, bacterial infections	Noticed larvae	Recovery
66 ¹⁰	06	43	M	2014	China	Hong Kong	Low	Limb	Manual removal, surgical removal	Multiple underlying illnesses, neurological disorder: cognitive deficits, severe axonal mixed poluneuropathy involving his lower limbs, thyroid disorder: thyrotoxic hypokalemic periodic paralysis, postradioactive iodine hypothyroidism, infection: hemolytic streptococcal infective endocarditis, wound	Noticed larvae, necrosis	Recovery/discharged
67 ¹⁰	06	54	M	2014	China	Hong Kong	Low	Limb: left lower shin	Manual removal, surgical removal, antibiotics,	Chronic dermatitis	Noticed larvae, necrosis	Recovery/discharged
68 ³	37	61	F	2004	China	Hong Kong	NR	Torso: right breast	Manual removal, surgical removal	Invasive lobular carcinoma	Unbearable pain, foul smell, necrosis, ulcer, discharge, bleeding, noticed larvae	Recovery/discharged
69-85 ¹	3107	-	- :	2002-2008	China	Hong Kong	-	-	-	-	-	
8614	14	27	F	1976	China	Guangxi	Low	Perineal & inguinal regions	NR	Postpartum lochia	Discharge, pruritis: pruritus vulvae, tunnels	Recovery/discharged
87 ¹	14	2	M	1980	China	Guixian, Guangxi	Low, rural	Ear	NR	Ear infection	Discharge, noticed larvae	Recovery/discharged
8814	14	6	F	1980	China	Tianyang, Guangxi	Low, rural	Ear	NR	Ear infection	Noticed larvae	Recovery/discharged
89 ¹	14	37	F	1979	China	Daxin, Guangxi	Low, rural	Perineal & inguinal regions	NR	Infection: vulvitis and vaginis	Tunnels, honeycomb-like both side of the labia majora, noticed larvae	Recovery/discharged
90 ¹	14	49	F	1978	China	Guiping, Guangxi	Low, rural	Nose	NR	Infection: atrophic rhinitis	Bleeding: rhinorrhagia, cold, fever, headache, noticed larvae	Recovery/discharged
91 ¹⁴	14	41	F	1973	China	Yining, Guangxi	Low, rural	Perineal & inguinal regions: the right of anus	NR	Miscarriage	Tunnels	Recovery/discharged
92 ¹⁴	14	1	M	1966	China	Nanning, Guangxi	City	Ear: left ear canal	NR	Ear infection	Noticed larvae	Recovery/discharged
9314	14	8	M	1959	China	Pinxiang, Guangxi	City	Nose	NR	Infection: rhinitis	Fever, discharge, foul smell, tunnels	Recovery/discharged
94 ⁶²	52	56	F	1958	China	Nanning, Guangxi	Low, rural	Nose	Manual removal	Infection: rhinitis	Fever, discharge, foul smell, headache, ulcer, noticed larvae	Recovery/discharged
95 ²	2	NR	NR	1970	China	Yunnan	NR	Nose	NR	NR	NR	Recovery/discharged
96*	*	84	F	2009	China	Lufeng, Guangdong	Low, rural	Limb	Manual removal, suffocating agent	Hypertension, stroke	Large ulcer, severe pain, discharge, inflammation, oedema, sensation of moving larvae, noticed larvae, pruritus	Recovery/discharged
97 ⁶³	53	54	F	2007	China	Jiangxi	Low, rural	Mouth, Nose	Manual removal, antibiotics	No	Huge ulcer between the hard and soft palate, connected with nose, necrosis, intense pain, eating difficulty, bleeding	Recovery/discharged
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98 ⁶¹	49	F	1981	China	Quanzhou, Fujian	Low, rural	Perineal & inguinal regions	Surgical removal	NR	Pruritus vulvae, pain, discharge, edema, tunnels, noticed larvae	Recovery/discharged
99 ⁶⁴	56	M	2015	China	Wei County, Hebei	Low, rural	Mouth	Manual removal	No	Pain, edema, redness, necrosis, ulcer, noticed larvae	Recovery/discharged
100 ⁵²	45	F	2006	India	New Delhi	Low	Perineal & inguinal regions	Manual removal, suffocating agent: turpentine	Carcinoma cervix, bladder incontinence, ulcer	Pruritus, pain, noticed larvae	Discharged
101 ¹⁰⁸	22	M	2014	India	Delhi	Low	Mouth	Manual removal, suffocating agent, antibiotics, insecticides: ivermectin	Neurological disorder and mental illness: cerebral plasy, severe mental retardation, quadriplegia, and kyphoscoliosis, seizure disorder	Noticed larvae, ulcer, swollen	Recovery/discharged
102 ¹⁰⁹	71	NR	1990	India	Delhi	Low	Eye	Manual removal	Infection: herpes zoster opththalmicus on the face	NR	NR
103 ⁵⁶	65	M	2016	India	Chhattisgarh	Low	Right eye	Manual removal, surgical removal, suffocating agent: turpentine oil, antibiotics, insecticides: ivermectin	Debility, immunocompromised, an empty orbital socket postevisceration	Pain, redness, discharge, swollen, necrosis, ulcer	Recovery/discharged
104 ³⁸	65	F	1994	India	Shertallai	Low	Limb: left foot	Antibiotics	Infection:filarial, lymphoedema with dermatosclerosis and papillomatosis, ulcer	Fever, chill, pain, discharge, noticed larvae	Recovery
105 ³⁸	60	M	1994	India	Shertallai	Low	Limb: left leg	Manual removal, suffocating agent: turpentine, antibiotics	Infection:filarial, lymphoedema with ulcers in both legs	Fever, chill, discharge	Recovery
106 ³⁸	33	M	1994	India	Pondicherry	Low	Limb: left ankle	Manual removal, antibiotics	Infection:filarial lymphoedema in the left leg, ulcer	Severe pain, reddish, noticed larvae	Recovery
107 ¹¹⁰	60	M	2011	India	Punjub	Low	Mouth	Manual removal	Squamous cell carcinoma in oral cavity, ulcer, perforation of cheek	Severe pain, foul smell, discharge, noticed larvae	Recovery
108 ¹¹⁰	32	F	2011	India	Punjab	Low	Face, mouth	Manual removal, surgical removal, suffocating agent: turpentine	Squamous cell carcinoma in oral cavity, ulcer, perforation of cheek	Swollen, noticed larvae	Recovery
109 ²⁷	50	F	2005	India	Punjub	Low	Limb	NR	Diabetes mellitus, diabetic foot, trauma, numbness	Noticed larvae	NR
110 ²⁷	30	M	2006	India	Patiala	Low	Limb	Surgical removal, left foot amputation	Trauma, diabetes mellitus, diabetic foot, ulcer	High fever, discharge, noticed larvae, severe tissues and/or bone destruction: a bone deep gangrenous wound, necrosis	NR
111 ⁵¹	12	M	2012	India	NR	Low	Mouth	Manual removal, suffocating agent: cotton bud impregnated with turpentine	Neurological disorder	Swollen, tunnels, noticed larvae, foul smell	Recovery
112 ¹¹¹	22	M	2011	India	Telangana	Low	Mouth	Manual removal	Mental illness	Pain, irritation, distress, bleeding, inflammation, abscess, ulcer	Recovery/discharged
113 ¹¹¹	90	F	2011	India	Telangana	Low	Nose	Manual removal, suffocating agent	Hypertension, diabetes mellitus	Pain, distress, edema	Recovery/discharged
114 ¹¹²	4	F	2014	India	Madhya Pradesh	Low	Perineal & inguinal regions: Prolapsed rectum	Manual removal, suffocating agent	NR	Noticed larvae, ulceration, fever, inflammation	Recovery/discharged
115 ³¹	73	M	2013	India	Chennai	NR	Tracheostomy	Manual removal	Diabetes mellitus, carcinoma supraglottis, tracheostomy	Bleeding, discharge, ulcer, noticed larvae, edema, foul smell	Recovery/discharged
116 ¹¹³	33	M	2010	India	West Bengal	Low	Perineal & inguinal regions	Manual removal, antibiotics	Dermatitis, giant perigenital lesion, ulcer, mental illness	Noticed larvae, discharge	NR
117 ⁵⁰	42	F	2015	India	Assam	Low	Eye: right eye	Manual removal, surgical removal, suffocating agent: turpentine, antibiotics	Trauma	Swollen, itch, bleeding, foul smell, discharge, noticed larvae	Recovery/discharged
118 ¹¹⁴	12	F	2009	India	Madhya Pradesh	NR	Mouth: gum	Manual removal, surgical removal, antibiotics	Gingival lesion, ulcer	Pain, swollen, bleeding, noticed larvae	Recovery
119 ¹¹⁵	70	F	2014	India	NR	Low		Manual removal, surgical removal, suffocating agent:			
							Mouth: anterior maxilla	turpentine, antibiotics	Malnutrition	Swollen, pain, necrosis, severe tissues and/or bone destruction	Recovery
120 ⁵⁷	12	M	2010	India	NR	Low	Mouth: anterior maxilla	turpentine, antibiotics Manual removal, suffocating agent: turpentine, insecticides: ivermectin	Neurological disorder: seizures, unconscious state, malnutrition, debility, tube	Swollen, pain, necrosis, severe tissues and/or bone destruction Swollen, reddish, tunnels, noticed larvae	Recovery/discharged
120 ⁵⁷	12 40	M M			NR NR			Manual removal, suffocating agent: turpentine, insecticides: ivermectin Manual removal, surgical removal, insecticides:			·
			2010	India		Low	Mouth	Manual removal, suffocating agent: turpentine, insecticides: ivermectin	Neurological disorder: seizures, unconscious state, malnutrition, debility, tube feeding, ulcer, mouth breathing, incompetent lips	Swollen, reddish, tunnels, noticed larvae	Recovery/discharged
121 ¹¹⁶	40	M	2010 2013	India India	NR	Low	Mouth Mouth	Manual removal, suffocating agent: turpentine, insecticides: ivermectin Manual removal, surgical removal, insecticides: ivermectin, antibiotics Manual removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent:	Neurological disorder: seizures, unconscious state, malnutrition, debility, tube feeding, ulcer, mouth breathing, incompetent lips NR Mental illness, neurological disorder: seizure, ulcer Infection: filarial lymphedema and elephantiasis, leprosy, incompetent lips, advanced	Swollen, reddish, tunnels, noticed larvae Pain, swollen, noticed larvae, inflammation, fever, bone loss Swollen, severe pain, fever, apprehensive, necrosis, noticed larvae Pain, sensation of moving larvae, noticed larvae, inflammation, discharge,	Recovery/discharged Recovery/discharged
121 ¹¹⁶ 122 ¹¹⁷ 123 ¹¹⁸	40 14 51	M	2010 2013 2010 2013	India India India India	NR NR NR	Low Low Low	Mouth Mouth Mouth Mouth	Manual removal, suffocating agent: turpentine, insecticides: ivermectin Manual removal, surgical removal, insecticides: ivermectin, antibiotics Manual removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent:	Neurological disorder: seizures, unconscious state, malnutrition, debility, tube feeding, ulcer, mouth breathing, incompetent lips NR Mental illness, neurological disorder: seizure, ulcer Infection: filarial lymphedema and elephantiasis, leprosy, incompetent lips, advanced periodontal disease	Swollen, reddish, tunnels, noticed larvae Pain, swollen, noticed larvae, inflammation, fever, bone loss Swollen, severe pain, fever, apprehensive, necrosis, noticed larvae Pain, sensation of moving larvae, noticed larvae, inflammation, discharge, tunnels, bone destruction in teeth	Recovery/discharged Recovery/discharged Recovery/discharged
121 ¹¹⁶	40	M	2010 2013 2010	India India India	NR NR	Low Low	Mouth Mouth Mouth	Manual removal, suffocating agent: turpentine, insecticides: ivermectin Manual removal, surgical removal, insecticides: ivermectin, antibiotics Manual removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: turpentine, antibiotics	Neurological disorder: seizures, unconscious state, malnutrition, debility, tube feeding, ulcer, mouth breathing, incompetent lips NR Mental illness, neurological disorder: seizure, ulcer Infection: filarial lymphedema and elephantiasis, leprosy, incompetent lips, advanced	Swollen, reddish, tunnels, noticed larvae Pain, swollen, noticed larvae, inflammation, fever, bone loss Swollen, severe pain, fever, apprehensive, necrosis, noticed larvae Pain, sensation of moving larvae, noticed larvae, inflammation, discharge,	Recovery/discharged Recovery/discharged Recovery/discharged
121 ¹¹⁶ 122 ¹¹⁷ 123 ¹¹⁸	40 14 51	M	2010 2013 2010 2013	India India India India	NR NR NR	Low Low Low	Mouth Mouth Mouth Mouth	Manual removal, suffocating agent: turpentine, insecticides: ivermectin Manual removal, surgical removal, insecticides: ivermectin, antibiotics Manual removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: cottons buds impregnated with turpentine oil, insecticides:	Neurological disorder: seizures, unconscious state, malnutrition, debility, tube feeding, ulcer, mouth breathing, incompetent lips NR Mental illness, neurological disorder: seizure, ulcer Infection: filarial lymphedema and elephantiasis, leprosy, incompetent lips, advanced periodontal disease	Swollen, reddish, tunnels, noticed larvae Pain, swollen, noticed larvae, inflammation, fever, bone loss Swollen, severe pain, fever, apprehensive, necrosis, noticed larvae Pain, sensation of moving larvae, noticed larvae, inflammation, discharge, tunnels, bone destruction in teeth	Recovery/discharged Recovery/discharged Recovery/discharged
121 ¹¹⁶ 122 ¹¹⁷ 123 ¹¹⁸ 124 ⁵⁴	40 14 51 35	M	2010 2013 2010 2013 2012	India India India India	NR NR NR	Low Low Low Low	Mouth Mouth Mouth Mouth Mouth	Manual removal, suffocating agent: turpentine, insecticides: ivermectin Manual removal, surgical removal, insecticides: ivermectin, antibiotics Manual removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: cottons buds impregnated with turpentine oil, insecticides: ivermectin, antibiotics	Neurological disorder: seizures, unconscious state, malnutrition, debility, tube feeding, ulcer, mouth breathing, incompetent lips NR Mental illness, neurological disorder: seizure, ulcer Infection: filarial lymphedema and elephantiasis, leprosy, incompetent lips, advanced periodontal disease Mental illness, mouth breathing	Swollen, reddish, tunnels, noticed larvae Pain, swollen, noticed larvae, inflammation, fever, bone loss Swollen, severe pain, fever, apprehensive, necrosis, noticed larvae Pain, sensation of moving larvae, noticed larvae, inflammation, discharge, tunnels, bone destruction in teeth Severe pain, swollen, noticed larvae, foul smell, tunnels	Recovery/discharged Recovery/discharged Recovery/discharged Recovery/discharged
121^{116} 122^{117} 123^{118} 124^{54} 125^{32} 126^{32} 127^{32}	40 14 51 35 46	M	2010 2013 2010 2013 2012 2008	India India India India India	NR NR NR Ariankuppam	Low Low Low Low Low	Mouth Mouth Mouth Mouth Tracheostomy	Manual removal, suffocating agent: turpentine, insecticides: ivermectin Manual removal, surgical removal, insecticides: ivermectin, antibiotics Manual removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: cottons buds impregnated with turpentine oil, insecticides: ivermectin, antibiotics Manual removal, suffocating agent: turpentine	Neurological disorder: seizures, unconscious state, malnutrition, debility, tube feeding, ulcer, mouth breathing, incompetent lips NR Mental illness, neurological disorder: seizure, ulcer Infection: filarial lymphedema and elephantiasis, leprosy, incompetent lips, advanced periodontal disease Mental illness, mouth breathing Advanced carcinoma of hypopharynx and neck, tracheostomy	Swollen, reddish, tunnels, noticed larvae Pain, swollen, noticed larvae, inflammation, fever, bone loss Swollen, severe pain, fever, apprehensive, necrosis, noticed larvae Pain, sensation of moving larvae, noticed larvae, inflammation, discharge, tunnels, bone destruction in teeth Severe pain, swollen, noticed larvae, foul smell, tunnels Noticed larvae	Recovery/discharged Recovery/discharged Recovery/discharged Recovery/discharged NR
121^{116} 122^{117} 123^{118} 124^{54} 125^{32} 126^{32}	40 14 51 35 46 52	M F F	2010 2013 2010 2013 2012 2008	India India India India India India India	NR NR NR Ariankuppam Tamil Nadu	Low Low Low Low Low Low	Mouth Mouth Mouth Mouth Tracheostomy Tracheostomy	Manual removal, suffocating agent: turpentine, insecticides: ivermectin Manual removal, surgical removal, insecticides: ivermectin, antibiotics Manual removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: cottons buds impregnated with turpentine oil, insecticides: ivermectin, antibiotics Manual removal, suffocating agent: turpentine Manual removal, surgical removal, antibiotics	Neurological disorder: seizures, unconscious state, malnutrition, debility, tube feeding, ulcer, mouth breathing, incompetent lips NR Mental illness, neurological disorder: seizure, ulcer Infection: filarial lymphedema and elephantiasis, leprosy, incompetent lips, advanced periodontal disease Mental illness, mouth breathing Advanced carcinoma of hypopharynx and neck, tracheostomy Carcinoma of larynx, tracheostomy, bacterial infections	Swollen, reddish, tunnels, noticed larvae Pain, swollen, noticed larvae, inflammation, fever, bone loss Swollen, severe pain, fever, apprehensive, necrosis, noticed larvae Pain, sensation of moving larvae, noticed larvae, inflammation, discharge, tunnels, bone destruction in teeth Severe pain, swollen, noticed larvae, foul smell, tunnels Noticed larvae Noticed larvae Discharge, foul smell Bleeding, discharge, noticed larvae	Recovery/discharged Recovery/discharged Recovery/discharged Recovery/discharged NR Discharged
121^{116} 122^{117} 123^{118} 124^{54} 125^{32} 126^{32} 127^{32}	40 14 51 35 46 52 62	M M F F M	2010 2013 2010 2013 2012 2008 2008	India India India India India India India India	NR NR NR Ariankuppam Tamil Nadu Tamil Nadu	Low Low Low Low Low Low Low Low	Mouth Mouth Mouth Mouth Tracheostomy Tracheostomy Face	Manual removal, suffocating agent: turpentine, insecticides: ivermectin Manual removal, surgical removal, insecticides: ivermectin, antibiotics Manual removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: cottons buds impregnated with turpentine oil, insecticides: ivermectin, antibiotics Manual removal, suffocating agent: turpentine Manual removal, surgical removal, antibiotics NR	Neurological disorder: seizures, unconscious state, malnutrition, debility, tube feeding, ulcer, mouth breathing, incompetent lips NR Mental illness, neurological disorder: seizure, ulcer Infection: filarial lymphedema and elephantiasis, leprosy, incompetent lips, advanced periodontal disease Mental illness, mouth breathing Advanced carcinoma of hypopharynx and neck, tracheostomy Carcinoma of larynx, tracheostomy, bacterial infections Carcinoma of cheek	Swollen, reddish, tunnels, noticed larvae Pain, swollen, noticed larvae, inflammation, fever, bone loss Swollen, severe pain, fever, apprehensive, necrosis, noticed larvae Pain, sensation of moving larvae, noticed larvae, inflammation, discharge, tunnels, bone destruction in teeth Severe pain, swollen, noticed larvae, foul smell, tunnels Noticed larvae Noticed larvae Discharge, foul smell	Recovery/discharged Recovery/discharged Recovery/discharged Recovery/discharged Recovery/discharged NR Discharged NR
121^{116} 122^{117} 123^{118} 124^{54} 125^{32} 126^{32} 127^{32} 128^{32}	40 14 51 35 46 52 62 75	M M F F M M	2010 2013 2010 2013 2012 2008 2008 2008 2008	India	NR NR NR NR Tamil Nadu Tamil Nadu Tamil Nadu	Low Low Low Low Low Low Low Low Low	Mouth Mouth Mouth Mouth Tracheostomy Tracheostomy Face Mouth	Manual removal, suffocating agent: turpentine, insecticides: ivermectin Manual removal, surgical removal, insecticides: ivermectin, antibiotics Manual removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: cottons buds impregnated with turpentine oil, insecticides: ivermectin, antibiotics Manual removal, suffocating agent: turpentine Manual removal, surgical removal, antibiotics NR	Neurological disorder: seizures, unconscious state, malnutrition, debility, tube feeding, ulcer, mouth breathing, incompetent lips NR Mental illness, neurological disorder: seizure, ulcer Infection: filarial lymphedema and elephantiasis, leprosy, incompetent lips, advanced periodontal disease Mental illness, mouth breathing Advanced carcinoma of hypopharynx and neck, tracheostomy Carcinoma of larynx, tracheostomy, bacterial infections Carcinoma of cheek Ulcer, lip cancer	Swollen, reddish, tunnels, noticed larvae Pain, swollen, noticed larvae, inflammation, fever, bone loss Swollen, severe pain, fever, apprehensive, necrosis, noticed larvae Pain, sensation of moving larvae, noticed larvae, inflammation, discharge, tunnels, bone destruction in teeth Severe pain, swollen, noticed larvae, foul smell, tunnels Noticed larvae Noticed larvae Discharge, foul smell Bleeding, discharge, noticed larvae Mixed infestation by Chrysomya bezziana and Sarcophaga sp., severe pain, noticed larvae, foul smell, discharge, severe tissues and/or bone destruction: a	Recovery/discharged Recovery/discharged Recovery/discharged Recovery/discharged Recovery/discharged NR Discharged NR NR
121^{116} 122^{117} 123^{118} 124^{54} 125^{32} 126^{32} 127^{32} 128^{32} 129^{16}	40 14 51 35 46 52 62 75	M M F F M M M	2010 2013 2010 2013 2012 2008 2008 2008 1991	India	NR NR NR NR Ariankuppam Tamil Nadu Tamil Nadu NR	Low	Mouth Mouth Mouth Mouth Tracheostomy Tracheostomy Face Mouth Limb: lower left leg	Manual removal, suffocating agent: turpentine, insecticides: ivermectin Manual removal, surgical removal, insecticides: ivermectin, antibiotics Manual removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: cottons buds impregnated with turpentine oil, insecticides: ivermectin, antibiotics Manual removal, suffocating agent: turpentine Manual removal, surgical removal, antibiotics NR NR Manual removal	Neurological disorder: seizures, unconscious state, malnutrition, debility, tube feeding, ulcer, mouth breathing, incompetent lips NR Mental illness, neurological disorder: seizure, ulcer Infection: filarial lymphedema and elephantiasis, leprosy, incompetent lips, advanced periodontal disease Mental illness, mouth breathing Advanced carcinoma of hypopharynx and neck, tracheostomy Carcinoma of larynx, tracheostomy, bacterial infections Carcinoma of cheek Ulcer, lip cancer Ulcer, trauma, drug addict (heroin), infection: active cellulitis Infections: perianal codylomata acuminata, bacterial infections	Swollen, reddish, tunnels, noticed larvae Pain, swollen, noticed larvae, inflammation, fever, bone loss Swollen, severe pain, fever, apprehensive, necrosis, noticed larvae Pain, sensation of moving larvae, noticed larvae, inflammation, discharge, tunnels, bone destruction in teeth Severe pain, swollen, noticed larvae, foul smell, tunnels Noticed larvae Noticed larvae Discharge, foul smell Bleeding, discharge, noticed larvae Mixed infestation by Chrysomya bezziana and Sarcophaga sp., severe pain, noticed larvae, foul smell, discharge, severe tissues and/or bone destruction: a bone-beep non-healing ulcer with 10cm×10cm in size	Recovery/discharged Recovery/discharged Recovery/discharged Recovery/discharged Recovery/discharged NR Discharged NR NR NR
121^{116} 122^{117} 123^{118} 124^{54} 125^{32} 126^{32} 127^{32} 128^{32} 129^{16} 130^{119}	40 14 51 35 46 52 62 75 30	M M F F M M M	2010 2013 2010 2013 2012 2008 2008 2008 2008 1991 2011	India	NR NR NR NR Ariankuppam Tamil Nadu Tamil Nadu NR NR	Low	Mouth Mouth Mouth Mouth Mouth Tracheostomy Tracheostomy Face Mouth Limb: lower left leg Perineal & inguinal regions	Manual removal, suffocating agent: turpentine, insecticides: ivermectin, surgical removal, insecticides: ivermectin, antibiotics Manual removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: cottons buds impregnated with turpentine oil, insecticides: ivermectin, antibiotics Manual removal, suffocating agent: turpentine Manual removal, surgical removal, antibiotics NR NR Manual removal Manual removal, insecticides: ivermectin, surgical removal Manual removal, insecticides: ivermectin, surgical removal	Neurological disorder: seizures, unconscious state, malnutrition, debility, tube feeding, ulcer, mouth breathing, incompetent lips NR Mental illness, neurological disorder: seizure, ulcer Infection: filarial lymphedema and elephantiasis, leprosy, incompetent lips, advanced periodontal disease Mental illness, mouth breathing Advanced carcinoma of hypopharynx and neck, tracheostomy Carcinoma of larynx, tracheostomy, bacterial infections Carcinoma of cheek Ulcer, lip cancer Ulcer, trauma, drug addict (heroin), infection: active cellulitis Infections: perianal codylomata acuminata, bacterial infections	Swollen, reddish, tunnels, noticed larvae Pain, swollen, noticed larvae, inflammation, fever, bone loss Swollen, severe pain, fever, apprehensive, necrosis, noticed larvae Pain, sensation of moving larvae, noticed larvae, inflammation, discharge, tunnels, bone destruction in teeth Severe pain, swollen, noticed larvae, foul smell, tunnels Noticed larvae Noticed larvae Discharge, foul smell Bleeding, discharge, noticed larvae Mixed infestation by Chrysomya bezziana and Sarcophaga sp., severe pain, noticed larvae, foul smell, discharge, severe tissues and/or bone destruction: a bone-beep non-healing ulcer with 10cm×10cm in size Pain, discharge, itch, foul smell, bleeding, necrosis, noticed larvae	Recovery/discharged Recovery/discharged Recovery/discharged Recovery/discharged Recovery/discharged NR Discharged NR NR NR NR
121^{116} 122^{117} 123^{118} 124^{54} 125^{32} 126^{32} 127^{32} 128^{32} 129^{16} 130^{119} 131^{120}	40 14 51 35 46 52 62 75 30	M M F F F M M M F	2010 2013 2010 2013 2010 2013 2012 2008 2008 2008 2008 1991 2011 2011	India	NR NR NR NR Ariankuppam Tamil Nadu Tamil Nadu NR NR NR	Low	Mouth Mouth Mouth Mouth Mouth Tracheostomy Tracheostomy Face Mouth Limb: lower left leg Perineal & inguinal regions Mouth: hard palate and gums	Manual removal, suffocating agent: turpentine, insecticides: ivermectin Manual removal, surgical removal, insecticides: ivermectin, antibiotics Manual removal, surfocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: cottons buds impregnated with turpentine oil, insecticides: ivermectin, antibiotics Manual removal, surgical removal, antibiotics Manual removal, surgical removal, antibiotics NR NR Manual removal Manual removal, insecticides: ivermectin, surgical removal	Neurological disorder: seizures, unconscious state, malnutrition, debility, tube feeding, ulcer, mouth breathing, incompetent lips NR Mental illness, neurological disorder: seizure, ulcer Infection: filarial lymphedema and elephantiasis, leprosy, incompetent lips, advanced periodontal disease Mental illness, mouth breathing Advanced carcinoma of hypopharynx and neck, tracheostomy Carcinoma of larynx, tracheostomy, bacterial infections Carcinoma of cheek Ulcer, lip cancer Ulcer, trauma, drug addict (heroin), infection: active cellulitis Infections: perianal codylomata acuminata, bacterial infections Mental illness, mouth breathing	Swollen, reddish, tunnels, noticed larvae Pain, swollen, noticed larvae, inflammation, fever, bone loss Swollen, severe pain, fever, apprehensive, necrosis, noticed larvae Pain, sensation of moving larvae, noticed larvae, inflammation, discharge, tunnels, bone destruction in teeth Severe pain, swollen, noticed larvae, foul smell, tunnels Noticed larvae Noticed larvae Discharge, foul smell Bleeding, discharge, noticed larvae Mixed infestation by *Chrysomya bezziana* and *Sarcophaga sp.,* severe pain, noticed larvae, foul smell, discharge, severe tissues and/or bone destruction: a bone-beep non-healing ulcer with 10cm×10cm in size Pain, discharge, itch, foul smell, bleeding, necrosis, noticed larvae Extensive necrosis, bleeding, foul smell, pain, swollen	Recovery/discharged Recovery/discharged Recovery/discharged Recovery/discharged Recovery/discharged NR Discharged NR NR NR NR NR Recovery/discharged
121^{116} 122^{117} 123^{118} 124^{54} 125^{32} 126^{32} 127^{32} 128^{32} 129^{16} 130^{119} 131^{120} 132^{121}	40 14 51 35 46 52 62 75 30 14 32	M M F F M M M F -	2010 2013 2010 2013 2012 2008 2008 2008 2008 1991 2011 2011 1971	India	NR NR NR NR Ariankuppam Tamil Nadu Tamil Nadu NR NR NR	Low	Mouth Mouth Mouth Mouth Mouth Tracheostomy Tracheostomy Face Mouth Limb: lower left leg Perineal & inguinal regions Mouth: hard palate and gums Mouth	Manual removal, suffocating agent: turpentine, insecticides: ivermectin Manual removal, surgical removal, insecticides: ivermectin, antibiotics Manual removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: cottons buds impregnated with turpentine oil, insecticides: ivermectin, antibiotics Manual removal, suffocating agent: turpentine Manual removal, surgical removal, antibiotics NR NR Manual removal Manual removal, insecticides: ivermectin, surgical removal	Neurological disorder: seizures, unconscious state, malnutrition, debility, tube feeding, ulcer, mouth breathing, incompetent lips NR Mental illness, neurological disorder: seizure, ulcer Infection: filarial lymphedema and elephantiasis, leprosy, incompetent lips, advanced periodontal disease Mental illness, mouth breathing Advanced carcinoma of hypopharynx and neck, tracheostomy Carcinoma of larynx, tracheostomy, bacterial infections Carcinoma of cheek Ulcer, lip cancer Ulcer, trauma, drug addict (heroin), infection: active cellulitis Infections: perianal codylomata acuminata, bacterial infections Mental illness, mouth breathing - Head injury, trauma, tracheostomy, respiratory distress, bacterial infections	Pain, swollen, noticed larvae, inflammation, fever, bone loss Swollen, severe pain, fever, apprehensive, necrosis, noticed larvae Pain, sensation of moving larvae, noticed larvae, inflammation, discharge, tunnels, bone destruction in teeth Severe pain, swollen, noticed larvae, foul smell, tunnels Noticed larvae Noticed larvae Discharge, foul smell Bleeding, discharge, noticed larvae Mixed infestation by Chrysomya bezziana and Sarcophaga sp., severe pain, noticed larvae, foul smell, discharge, severe tissues and/or bone destruction: a bone-beep non-healing ulcer with 10cm×10cm in size Pain, discharge, itch, foul smell, bleeding, necrosis, noticed larvae Extensive necrosis, bleeding, foul smell, pain, swollen	Recovery/discharged Recovery/discharged Recovery/discharged Recovery/discharged Recovery/discharged NR Discharged NR NR NR NR NR Recovery/discharged
121 ¹¹⁶ 122 ¹¹⁷ 123 ¹¹⁸ 124 ⁵⁴ 125 ³² 126 ³² 127 ³² 128 ³² 129 ¹⁶ 130 ¹¹⁹ 131 ¹²⁰ 132 ¹²¹	40 14 51 35 46 52 62 75 30 14 32 - 78	M M F F M M M F -	2010 2013 2010 2013 2010 2013 2012 2008 2008 2008 2008 1991 2011 2011 1971	India	NR NR NR NR Ariankuppam Tamil Nadu Tamil Nadu NR NR NR NR	Low	Mouth Mouth Mouth Mouth Mouth Tracheostomy Tracheostomy Face Mouth Limb: lower left leg Perineal & inguinal regions Mouth: hard palate and gums Mouth Tracheostomy	Manual removal, suffocating agent: turpentine, insecticides: ivermectin Manual removal, surgical removal, insecticides: ivermectin, antibiotics Manual removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: turpentine, antibiotics Manual removal, surgical removal, suffocating agent: cottons buds impregnated with turpentine oil, insecticides: ivermectin, antibiotics Manual removal, suffocating agent: turpentine Manual removal, surgical removal, antibiotics NR NR Manual removal, antibiotics, suffocating agent: paraffin Manual removal, insecticides: ivermectin, surgical removal - Manual removal, surgical removal, suffocating agent: turpentine soaked gauze (but need caution while using it around the tracheostoma, a high risk of chemical pneumonitis), antibiotics	Neurological disorder: seizures, unconscious state, malnutrition, debility, tube feeding, ulcer, mouth breathing, incompetent lips NR Mental illness, neurological disorder: seizure, ulcer Infection: filarial lymphedema and elephantiasis, leprosy, incompetent lips, advanced periodontal disease Mental illness, mouth breathing Advanced carcinoma of hypopharynx and neck, tracheostomy Carcinoma of larynx, tracheostomy, bacterial infections Carcinoma of cheek Ulcer, lip cancer Ulcer, trauma, drug addict (heroin), infection: active cellulitis Infections: perianal codylomata acuminata, bacterial infections Mental illness, mouth breathing - Head injury, trauma, tracheostomy, respiratory distress, bacterial infections	Pain, swollen, noticed larvae, inflammation, fever, bone loss Swollen, severe pain, fever, apprehensive, necrosis, noticed larvae Pain, sensation of moving larvae, noticed larvae, inflammation, discharge, tunnels, bone destruction in teeth Severe pain, swollen, noticed larvae, foul smell, tunnels Noticed larvae Noticed larvae Discharge, foul smell Bleeding, discharge, noticed larvae Mixed infestation by *Chrysomya bezziana* and *Sarcophaga sp.,* severe pain, noticed larvae, foul smell, discharge, severe tissues and/or bone destruction: a bone-beep non-healing ulcer with 10cm×10cm in size Pain, discharge, itch, foul smell, bleeding, necrosis, noticed larvae Extensive necrosis, bleeding, foul smell, pain, swollen - Foul smell, bleeding, discharge, noticed larvae Bleeding, discharge, noticed larvae, inflammation, ulcer, foul smell, severe tissues and/or bone destruction: complete loss globe in two days Noticed larvae, bleeding, necrosis, discharge, tunnels, severe tissues and/or bone	Recovery/discharged Recovery/discharged Recovery/discharged Recovery/discharged Recovery/discharged NR Discharged NR NR NR NR Recovery/discharged - Recovery/discharged
121 ¹¹⁶ 122 ¹¹⁷ 123 ¹¹⁸ 124 ⁵⁴ 125 ³² 126 ³² 127 ³² 128 ³² 129 ¹⁶ 130 ¹¹⁹ 131 ¹²⁰ 132 ¹²¹ 133 ³³	40 14 51 35 46 52 62 75 30 14 32 - 78	M M F F M M M F -	2010 2013 2010 2013 2010 2013 2012 2008 2008 2008 2008 1991 2011 2011 1971 2011	India	NR NR NR NR Ariankuppam Tamil Nadu Tamil Nadu NR NR NR NR NR	Low	Mouth Mouth Mouth Mouth Mouth Tracheostomy Tracheostomy Face Mouth Limb: lower left leg Perineal & inguinal regions Mouth: hard palate and gums Mouth Tracheostomy	Manual removal, surfocating agent: turpentine, insecticides: ivermectin Manual removal, surgical removal, insecticides: ivermectin, antibiotics Manual removal, surgical removal, surfocating agent: turpentine, antibiotics Manual removal, surgical removal, surfocating agent: turpentine, antibiotics Manual removal, surgical removal, surfocating agent: cottons buds impregnated with turpentine oil, insecticides: ivermectin, antibiotics Manual removal, surgical removal, antibiotics NR NR Manual removal, surgical removal, antibiotics NR Manual removal, antibiotics, surfocating agent: paraffin Manual removal, insecticides: ivermectin, surgical removal - Manual removal, surgical removal, surfocating agent: turpentine soaked gauze (but need caution while using it around the tracheostoma, a high risk of chemical pneumonitis), antibiotics Manual removal, surfocating agent: turpentine, antibiotics	Neurological disorder: seizures, unconscious state, malnutrition, debility, tube feeding, ulcer, mouth breathing, incompetent lips NR Mental illness, neurological disorder: seizure, ulcer Infection: filarial lymphedema and elephantiasis, leprosy, incompetent lips, advanced periodontal disease Mental illness, mouth breathing Advanced carcinoma of hypopharynx and neck, tracheostomy Carcinoma of larynx, tracheostomy, bacterial infections Carcinoma of check Ulcer, lip cancer Ulcer, trauma, drug addiet (heroin), infection: active cellulitis Infections: perianal codylomata acuminata, bacterial infections Mental illness, mouth breathing - Head injury, trauma, tracheostomy, respiratory distress, bacterial infections No Diabetes mellitus, nasal obstruction and epistaxis	Swollen, reddish, tunnels, noticed larvae Pain, swollen, noticed larvae, inflammation, fever, bone loss Swollen, severe pain, fever, apprehensive, necrosis, noticed larvae Pain, sensation of moving larvae, noticed larvae, inflammation, discharge, tunnels, bone destruction in teeth Severe pain, swollen, noticed larvae, foul smell, tunnels Noticed larvae Noticed larvae Discharge, foul smell Bleeding, discharge, noticed larvae Mixed infestation by *Chrysomya bezziana* and *Sarcophaga sp., severe pain, noticed larvae, foul smell, discharge, severe tissues and/or bone destruction: a bone-beep non-healing ulcer with 10cm×10cm in size Pain, discharge, itch, foul smell, bleeding, necrosis, noticed larvae Extensive necrosis, bleeding, foul smell, pain, swollen - Foul smell, bleeding, discharge, noticed larvae, inflammation, ulcer, foul smell, severe tissues and/or bone destruction: complete loss globe in two days	Recovery/discharged Recovery/discharged Recovery/discharged Recovery/discharged Recovery/discharged NR Discharged NR NR NR NR Recovery/discharged - Recovery/discharged Recovery/discharged

												diseases worsen)**
								Mouth: the posterior region of	Surgical removal, manual removal, suffocating agent:			
137	555	8	M	2018	India	NR	NR	the jaw	turpentine soaked gauze, antibiotics: amoxycillin, insecticides: ivermectin	Mental illness: mental retardation, malnutrition, infection: chronic pericoronitis	Noticed larvae, necrosis	Recovery/discharged
138	122	3	F	2019	India	Punjab	Low	Scalp	Manual removal, suffocating agent: turpentine liniment, antibiotics	Trauma, anemia, infection	High fever, severe pain, noticed larvae	Recovery/discharged
139	,19 8	80	F	1990	India	NR	Low	Eye: globe	Manual removal, surgical removal, suffocating agent: turpentine	Trauma, infection: endophthalmitis	A large ulcer of about 6 m \times 2.5 cm, inflammation, bleeding, discharge, foul smell, Severe tissues and/or bone destruction: the globe completely destroyed in two days	Discharged
140	34	3	F	2011	Iran	Hormozgan	Low	Pharyngostomy	Surgical removal, antibiotics	Ingested aluminum hydroxide powder by accident, severe burns of oral cavity and esophagus, pharyngostomy tube	Noticed larvae, swollen	Stable
141	20 5	55	F	2013	Iran	Mazandaran	Low	Eye: left eye	Surgical removal	Basal cell carcinoma	Noticed larvae, pain, severe tissues and/or bone destruction: left eye completely destroyed	NR
142 ¹	123 5	55	M	2002	Iran	Kashan	Low	Ear	Surgical removal, suffocating agent: chloroform-containing sterile oil, antibiotics	Prolonged ear infection	Pain, discharge	Recovery/discharged
143	,21 8	87	F	2010	Iran	Khuzestan	Low	Eye: left orbit	Manual removal, surgical removal, antibiotics	Multiple underlying illnesses, trauma, cancer, eyelid surgical removal due to skin cancer, bedridden, back injury, bladder and bowel incontinence	Severe pain and necrosis, noticed larvae, swollen, redness, severe tissues and/or bone destruction: eyelids and eyeball completely destroyed	Recovery/discharged
144	35 8	37	M	2009	Iran	Fars	NR	Limb	NR	Multiple underlying illnesses, diabetes mellitus, diabetic feet ulcers, cardiovascular diseases	Severe itch	NR
145	35 1	18	M	2009	Iran	Fars	Low	Mouth	Manual removal	Mental illness and neurological disorder: congenital cerebral palsy with quadriplegia and mental retardation, severe failure to thrive, oral lesion, ulcer	Pain, noticed larvae	Recovery/discharged
146	124	5	M	2007	Iran	Hormozgan	Low	Scalp	Surgical removal	NR	Severe headache , agitation, severe tissue destruction, wound, noticed larvae	NR
147	47 7	74	F	2015	Iran	Khorasan Razavi	NR	Nose	Surgical removal, antibiotics	COPD, infections: pneumonia, severe sepsis	Noticed larvae in both nostrils, bleeding, perforation, fever	Death (underlying diseases worsen, severe sepsis, septic shock, multiorgan failure)**
148	,22 g	90	F	2000	Iran	Andimeshk town	Low	Eye	Manual removal, surgical removal and orbital exenteration	Leukomatous lesion, the eyelid basal cell carcinoma, chronic eye infection	Severe tissue/bone destruction: ocluar rupture and larvae penetrate deep enough to involve the optic canal, noticed larvae, severe swollen, discharge, bleeding	NR
149	125 3	36	F	1978	Iran	NR	NR	Perineal & inguinal regions	Manual removal	Infection: appendicitis	Severe abdominal pain, dysuria, noticed larvae	Recovery/discharged
150 ¹	126	-	-	1993	Iran	-		-	-		-	-
151	127 8	89	M	2012	Iran	NR	NR	Mouth	Manual removal, antibiotics	Multiple underlying illnesses, non-Hodgkin lymphoma, dementia, infection: sepsis, immunocompromised	Fever, necrosis, noticed larvae	Death (Sepsis)**
152	23	65	F	2009	Iran	NR	Low	Face, nose, nosal sinuses, mouth: upper lip, eye: left orbit	Manual removal, antibiotics,	Facial squamous cell carcinoma, wound	Bleeding, pain, discharge, noticed larvae, ulcer, severe tissues and/or bone destruction: soft tissues malignancy, involving left orbit, nose, maxillary sinus and sphenoid bone	Discharged
153	28	65	M	2002	Malaysia	Kuala Lumpur	Low, rural	Limb: right big toe	Manual removal, surgical removal and amputation of the big toe	Diabetic mellitus, diabetic foot ulcer	Inflammation, oedema, bleeding, foul smell, discharge, noticed larvae, severe tissues and/or bone destruction	Recovery/discharged
154 ¹	128 8	80	F	2005	Malaysia	Perak	-	Nose	-	-	Bleeding: epistaxis, headache, noticed larvae	-
155 ¹	129 7	76	F	1980	Malaysia	-	Low	Perineal & inguinal regions	-	Carcinoma of the rectum, ulcer	Foul smell	
156 ¹	130 4	41	M	2006	Malaysia	NR	NR	Ear	Manual removal, antibiotics: amoxicillin	Mental illness	Pain, bleeding, discharge, noticed larvae, sensation of moving larvae, inflammation	Recovery/discharged
157	15 2	27	F	2012	Malaysia	Saunsar village	Low, rural	Perineal & inguinal regions: vagina	Manual removal, suffocating agent: a pack soaked with turpentine oil kept in vagina, antibiotics	HIV and hepatitis virus infections, immunocompromised state, wound: left mediolateral episiotomy wound postnatal period	Pain, irritation, edema, wound, noticed larvae	Recovery/discharged
158	17 5	55	M	2012	Travel to Malaysia	Island offshore of Langkawi	middle class	Scalp	Manual removal, antibiotics	Chronic seborrhoeic eczema	Pain, bleeding, noticed larvae, ulceration, sensation of moving larvae, itch	Recovery/discharged
159 ¹	131 4	46	F	1952	Sri Lanka	NR	Low	Nose	Manual removal, suffocating agent: oil, plugging the nose with dextrose solution	Infection: sinusitis and rhinitis atrophicans, anemia	Discharge, foul smell, headache, bleeding, fever, edema, severe tissue and/or bone destruction: septum defect, noticed larvae	Recovery/discharged
160 ¹	131 3	30	F	1951	Sri Lanka	NR	NR	Ear	Surgical removal, Manual removal, wound dressed with plugs soaked in 10% dextrose solution (dress every day)	Infection: otitis media chronica, conductive and nerve deafness, cholesteatomatous cavity	Discharge, foul smell, bone destruction, pain	Recovery/discharged
161	36	73	F	1997	Sri Lanka	Colombo	Low	Limb: fourth toe, right foot	Manual removal, suffocating agent: turpentine	Dermatitis, mental illness	NR	Discharged
162	36 8	32	F	1997	Sri Lanka	Colombo	Low	Limb: right heel	Manual removal, suffocating agent: turpentine	Dermatitis	NR	Discharged
163	36	54	M	1997	Sri Lanka	Colombo	Low	Limb: right big toe	Manual removal, suffocating agent: turpentine	Dermatitis	NR	Discharged
164	36	11	F	1997	Sri Lanka	Colombo	Low	Scalp	Manual removal, suffocating agent: turpentine	Infection: scalp sepsis, ectoparasite: pediculosis, mental illness: mental retardation	NR	Discharged
165		55	F	1997	Sri Lanka	Colombo	Low	Limb: dorsum of left foot	Manual removal, suffocating agent: turpentine	Dermatitis	NR	Discharged
166			M	1997	Sri Lanka	Colombo	Low	Limb: right foot	Manual removal, suffocating agent: turpentine	Ulcer, infections: leprosy, dermatitis	NR	Discharged
167		94	M	1997	Sri Lanka	Colombo	Low	Limb: left foot	Manual removal, suffocating agent: turpentine	Dermatitis, senile debility	NR	Discharged
168		50	M	1997	Sri Lanka	Colombo	Low	Limb: foot	Manual removal, suffocating agent: turpentine	Ulcer	NR NR	Discharged
169		19	M	1997	Sri Lanka	Colombo	low	Limb: foot	Manual removal, suffocating agent: turpentine	Diabetes mellitus, diabetic ulcer	NR NID	Discharged
170		39 65	M F	1997 1997	Sri Lanka Sri Lanka	Colombo	Low	Limb: foot	Manual removal, suffocating agent: turpentine Manual removal, suffocating agent: turpentine	Trauma Mental illness	NR NR	Discharged
171			r M	1997	Sri Lanka	Colombo	Low	NR	Manual removal, suffocating agent: turpentine Manual removal, suffocating agent: turpentine	NR	NR NR	Discharged
172			M	1997	Sri Lanka	Colombo	Low	NR	Manual removal, suffocating agent: turpentine	NR NR	NR NR	Discharged
174		-	-	1997	Sri Lanka	Colombo	Low	NR	Manual removal, suffocating agent: turpentine	NR NR	NR NR	Discharged
175		76	M		Sri Lanka	Penideniya,	Low,poor, rural area	Limb: right heel	Manual removal	Diabetes mellitus, diabetic ulcer	NR	Discharged
1,3						Kandy, KA	- '	-	4			-

176 ³⁷	30	M	2016-2017	Sri Lanka	Kandy city, KA	Middle class	Limb: right heel	Manual removal	Diabetes mellitus, diabetic ulcer	NR	Discharged
170 ³⁷	65		2016-2017	Sri Lanka		Low, poor, rural area	Limb: left leg 2nd digit	Manual removal	Wound	NR NR	Discharged
178 ³⁷	92		2016-2017		Muruthalawa,	Low, poor, rural area	Limb: right ankle	Manual removal	Mental illness, wound	NR	Discharged
					KA Wuraganthota,						
179 ³⁷	39		2016-2017		KA	Low, poor, rural area	Limb: left calf	Manual removal	Infection: filarial lymphedema, wound	NR	Discharged
180 ³⁷	65			Sri Lanka	Galaha,KA	Low, poor, rural area	Torso: left buttock	Manual removal	Mental illness, wound	NR	Discharged
181 ³⁷	54		2016-2017	Sri Lanka	Meepalawa,KA Hakgala,BA	Low, poor, rural area	Limb: right heel	Manual removal	Diabetes mellitus, diabetic ulcer	NR	Discharged
182 ³⁷	39	M	2016-2017	Sri Lanka	(Badulla) Agarapathana,	Low, poor, rural area	Limb: right foot	Manual removal	Diabetes mellitus, diabetic ulcer	NR	Discharged
183 ³⁷	70	F	2016-2017	Sri Lanka	NU (Nuwara eliya)	Low, poor, rural area	Limb: left calf	Manual removal	Wound	NR	Discharged
184 ³⁷	70	M	2016-2017	Sri Lanka	Molagoda, KE	Low, poor, rural area	Limb: right heel	Manual removal	Diabetes mellitus, diabetic ulcer	NR	Discharged
185 ³⁷	79	M	2016-2017	Sri Lanka	(Keyalle) Heeloya,BA	Low, poor, rural area	Perineal & inguinal regions:	Manual removal	Mental illness	NR	Discharged
186 ³⁷	75	F	2016-2017	Sri Lanka	Kandy city, KA	Middle class	urogenital tract Limb: left great toe	Manual removal	Diabetes mellitus, diabetic ulcer	NR	Discharged
187 ³⁷	69	M	2016-2017	Sri Lanka	Poonagala, BA	Low, poor, rural area	Limb: right foot	Manual removal	Diabetes mellitus, diabetic ulcer	NR	Discharged
188 ³⁷	52	M	2016-2017	Sri Lanka	Dewaragampola,	Low, poor, rural area	Limb: left ankle	Manual removal	Diabetes mellitus, diabetic ulcer	NR	Discharged
189 ³⁷	64	М	2016-2017	Sri Lanka	KE Pallepola,KA	Low, poor, rural area	Limb: light ankle	Manual removal	Mental illness, wound	NR	Discharged
190 ³⁷	55			Sri Lanka	Owatta,KE	Low, poor, rural area	Limb: left ankle	Manual removal	Diabetes mellitus, diabetic ulcer	NR	Discharged
191 ³⁷	53	M	2016-2017	Sri Lanka	Nayawela,KE	Low, poor, rural area	Limb: right leg 2-3 digits	Manual removal	Diabetes mellitus, diabetic ulcer	NR	Discharged
192 ³⁷	61	M	2016-2017	Sri Lanka	Mawanella town,	Middle class	Limb: left ankle	Manual removal	Diabetes mellitus, diabetic ulcer	NR	Discharged
193 ³⁷	64	M	2016-2017	Sri Lanka	KE Owaththa, KE	Low, poor, rural area	Limb: right calf	Manual removal	Diabetes mellitus, diabetic ulcer	NR	Discharged
194 ³⁷	57	F	2016-2017	Sri Lanka	Nayawela,KE	Low, poor, rural area	Torso: right buttock	Manual removal	Diabetes mellitus, diabetic ulcer	NR	Discharged
195 ³⁷	45	F	2016-2017	Sri Lanka	Uthuwankanda,	Low, poor, rural area	Limb: right ankle	Manual removal	Diabetes mellitus, diabetic ulcer	NR	Discharged
196 ³⁷	45	F	2016-2017	Sri Lanka	KE Aranayake, KE	Low, poor, rural area	Scalp	Manual removal	Mental illness, wound	NR	Discharged
197 ³⁷	48	F	2016-2017	Sri Lanka	Medawala, KA	Low, poor, rural area	Limb: right calf	Manual removal	Infection: filarial lymphedema, wound	NR	Discharged
198 ³⁷	51	M	2016-2017	Sri Lanka	Nawalapitiya,	Low, poor, rural area	Torso: umbilical	Manual removal	Diabetes mellitus	NR	Discharged
199 ³⁷	64	M	2016-2017	Sri Lanka	KA Pujapitiya,KA	Low, poor, rural area	Limb: right ankle	Manual removal	Diabetes mellitus, wound	NR	Discharged
200 ³⁷	72	F	2016-2017	Sri Lanka	Galagedara,KA	Low, poor, rural area	Limb: left ankle	Manual removal	Diabetes mellitus, diabetic ulcer	NR	Discharged
201 ³⁷	51	M	2016-2017	Sri Lanka	Aranayake,KA	Low, poor, rural area	Limb: right great toe	Manual removal	Wound	NR	Discharged
202 ¹³²	55	F	2019	Indonesia	NR	Low	Nose, eye	Surgical removal, manual removal, antibiotics	Diabetes mellitus, diabetic neuropathy, infection: pansinusitis and right pleuropneumonia	Necrosis, ulcer, edema, severe tissues and/or bone destruction: destroy of nasal septum and bone, abscess	Discharged
203 ⁴⁹	9	M	2008	Indonesia	Kalimantan	NR	Eye, ear	Surgical removal	Ear infection	Bleeding, discharge, noticed larvae, inflammation, wound	Recovery/discharged
204 ¹³³	72	M	2009	Laos	Luang Namtha	Low	Limb: left lower leg	Surgical removal, antibiotics	Infections: chromoblastomycosis, cellulitis, leprosy, ectoparasite: leech bites, lesions	Noticed larvae, discharge, swollen, pain, ulcer	Recovery/discharged
205 ¹³⁴	5	F	2009	Pakistan	Peshawar	Poor, low	Perineal & inguinal regions: urogenital tract	NR	NR	Pain, viginal itch, dysuria, noticed larvae on the bed, discharge, ulcer	Recovery/discharged
206 ¹³⁵	-	-	1959	DRC	-	-	-	-	-	-	-
207 ¹³⁵	-	-	1959	DRC	-	-	-	-	-	-	
208-215 [†]	NR	NR	2007,2008	Yemen	NR	NR	NR	NR	NR	NR	NR
216 [†]	New born‡	NR	1949	PNG	Western Highlands	NR	NR	NR	NR	NR	NR
217†	NR	F	1951	PNG	New Ireland	NR	Perineal & inguinal regions	NR	NR	NR	NR
218 [†]	NR	М	1951	PNG	New Ireland	NR	Torso	NR	NR	NR	NR
219 [†]	14	M	1961	PNG	Easternn Highlands	NR	Face	NR	NR	NR	NR
220 [†]	NR	M	1963	PNG	Easternn	NR	Ear	NR	NR	NR	NR
221†	NR	F	1963	PNG	Easternn	NR	Ear	NR	NR	NR	NR
222 [†]	NR	F	1979	PNG	Morobe	NR	Eye	NR	NR	NR	NR
223 [†]	5	M	1982	PNG	Western Province	NR	NR	NR	NR	NR	NR
224 [†]	10	M	1983	PNG	Western	NR	Scalp	NR	NR	NR	NR
					Province						

225 ¹³⁶	NR	NR	1982	Saudi Arabia	NR	NR	Nose	NR	NR	NR	NR
226 ²⁴	65	M	1985	Saudi Arabia	NR	Low	Eye: globe	Surgical removal, antibiotics	Multiple underlying illnesses, stroke, trauma, ulcers, bacterial infections, mental illness and neurological disorder: right-sided hemiparasis and mental retardation, superficial corneal pannus, stellate conjunctival scarring, and mature cataract	Increasing pain, inflammation, discharge, swollen, noticed larvae, severe tissues and/or bone destruction: totally destroyed orbit	Discharged
227 ¹³⁷	94	F	2014	Thailand	Chiang Mai	Low	Eye: right orbit	Surgical removal	Bedridden, right eye infection	Right eyelid swollen, itch, ulcer, noticed larvae, bleeding, discharge, necrosis	Discharged
228-286 ¹³⁸⁻¹³⁹	-	-	1920-1922	India	-	-	-	-	-	-	-
287 ¹⁴⁰	-	-	1929	Cote d'Ivoire	-	-	Face	-	-	-	-
288 ¹⁴¹	-	-	1932	Kenya	-	-	Limb: foot	-	-	-	-
289 ¹⁴²	-	-	1944	Uganda	-	-	Eye: orbit	-	-	-	-
290 ¹⁴²	-	-	1944	Uganda	-	-	Nose	-	-	-	-
291142	-	-	1944	Uganda	-	-	Limb: foot	-	-	-	-

COPD=Chronic obstructive pulmonary disease; DRC=Democratic Republic of the Congo; PNG=Pupua New Guinea; RCHE=a residential care home for the elderly

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^{*} Case recorded by Zhou et al in Guangdong Province, China

[†] Spradbery et al Per.comm.

[‡] Seveal strikes on vavels of new born children

^{**}reported cause of death

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