

## *Dermatology Reports*

### **Cutaneous myiasis complicating squamous cell carcinoma: a case report with literature review**

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### **Supplementary Material**

**Supplementary Table 1.** Literature review of head and neck malignancies complicated with myiasis from 2015 to 2024.

Author	Year	Country	No. of cases	Age	Gender	Localization	Cancer histology	Fly species	Treatment of myiasis
Biradar <i>et al.</i> <sup>1</sup>	2015	India	2	50	Male	Oral; buccal mucosa	SCC	Unknown	Mechanical removal of larvae, turpentine oil, repeated surgical debridement, systematic ABs (Augmentin <sup>®</sup> and metronidazole), and 0.2% chlorhexidine antiseptic mouthwash
				55	Male	Oral; buccal mucosa	SCC	Unknown	Mechanical removal of larvae, turpentine oil, repeated surgical debridement, systematic ABs (Augmentin <sup>®</sup> and metronidazole), and 0.2% chlorhexidine antiseptic mouthwash

Rathore <i>et al.</i> <sup>7</sup>	2015	India	1	14	Male	Skin: eyelid and cheek	BCC	<i>Chrysomya bezziana</i>	Manual removal of larvae, turpentine oil, oral ABs, and oral ivermectin
Pandey <i>et al.</i> <sup>8</sup>	2016	Nepal	1	73	Male	Skin: eyelid with invasion into the orbit	BCC	Unknown	Manual removal of maggots, debridement, oral ABs, and oral ivermectin
Demirel-Kaya <i>et al.</i> <sup>9</sup>	2016	Turkey	1	58	Male	Maxillary sinus	SCC	<i>Lucilia sericata</i>	Mechanical removal of larvae and wound irrigated by H <sub>2</sub> O <sub>2</sub> solutions
Mansukhani <i>et al.</i> <sup>10</sup>	2017	India	1	84	Female	Orbital	SCC	Unknown	Manual removal of maggots, irrigation with normal saline, turpentine, betadine, H <sub>2</sub> O <sub>2</sub> solution, ABs (IV piperacillin-tazobactam and amikacin), and oral ivermectin
Khardenavis <i>et al.</i> <sup>11</sup>	2018	India	1	74	Female	Skin: eyelid invaded the orbit	BCC	<i>Cochliomyia hominivorax</i>	Manual removal, turpentine ointment, debridement, intravenous ampicillin-sulbactam and oral ivermectin
Karkhanawala <i>et al.</i> <sup>12</sup>	2018	India	1	2	Not mentioned	Orbital	Retinoblastoma	Unknown	Manual removal of maggots, turpentine oil, AB ointment, systemic ABs and antifungals
Gupta <i>et al.</i> <sup>2</sup>	2018	India	1	50	Female	Oral; buccal mucosa	SCC	Unknown	Manual removal of larvae, turpentine oil (12%), irrigated with H <sub>2</sub> O <sub>2</sub> and normal saline, and oral ivermectin
Demaj <i>et al.</i> <sup>13</sup>	2019	Albania	1	48	Male	Skin: scalp	BCC	<i>Lucilia sericata</i>	Removal of a single larva
Lazaro <i>et al.</i> <sup>14</sup>	2020	Brazil	1	60	Male	Oral	SCC	Unknown	Surgical removal of larvae and oral ivermectin
Ayalon <i>et al.</i> <sup>15</sup>	2020	Israel	1	98	Male	Skin; eyelid with invasion into the orbit	SCC	<i>Sarcophaga argyrostoma</i>	Manual removal of larvae
Jamshidian-Tehrani <i>et al.</i> <sup>16</sup>	2021	Iran	1	89	Male	Orbital	Undifferentiated	Unknown	Mechanical removal of larvae
Yucesan <i>et al.</i> <sup>17</sup>	2021	Turkey	1	82	Female	Oral	SCC	<i>Diptera: Sarcophagidae</i>	Physical removal of larvae and ABs
Kondoh <i>et al.</i> <sup>18</sup>	2022	Japan	1	82	Male	Skin: scalp	SCC	<i>Lucilia sericata</i>	Manual removal of larvae and irrigation with normal saline
de Assis <i>et al.</i> <sup>19</sup>	2023	Brazil	1	68	Female	Skin: extending from the middle third of the face to the submandibular trigone region	SCC	Unknown	Mechanical removal of larvae, debridement of devitalized tissues, irrigation with ether solution asphyxiating substance, systemic intravenous ABs (ceftriaxone and clindamycin) and ivermectin
Khan <i>et al.</i> <sup>4</sup>	2024	Pakistan	1	62	Female	Oral: lower alveolus extended into the soft tissue of the submental and submandibular regions.	SCC	Unknown	Manual removal of larvae, turpentine-soaked dressings, irrigation with saline, dressed in 10% povidone-iodine, and ivermectin
Azarmi <i>et al.</i> <sup>20</sup>	2024	Iran	1	43	Male	Skin: scalp	Soft tissue sarcoma	<i>Diptera: Sarcophidae</i>	Manual removal of larvae and wound irrigation with normal saline

BCC, basal cell carcinoma; SCC, squamous cell carcinoma; Abs, antibiotics.

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