



Dated : 05/10/2021

1. Registration Number : **L-108109/2021**
2. Name, address and nationality of the applicant : DR.SMITA CHAWARE , DEPARTMENT OF ORAL
PATHOLOGY,MIDSR DENTAL COLLEGE,LATUR-413512-
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INDIAN
3. Nature of the applicant's interest in the copyright of the work : AUTHOR
4. Class and description of the work : LITERARY/ DRAMATIC WORK
5. Title of the work : UPDATED CLASSIFICATION OF ORAL PIGMENTED
LESIONS
6. Language of the work : ENGLISH
7. Name, address and nationality of the author and if the author is
deceased, date of his decease : DR.SMITA CHAWARE , DEPARTMENT OF ORAL
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8. Whether the work is published or unpublished : UNPUBLISHED
9. Year and country of first publication and name, address and
nationality of the publisher : N.A.
10. Years and countries of subsequent publications, if any, and names,
addresses and nationalities of the publishers : N.A.
11. Names, addresses and nationalities of the owners of various rights
comprising the copyright in the work and the extent of rights held
by each, together with particulars of assignments and licences, if
any : DR.SMITA CHAWARE , DEPARTMENT OF ORAL
PATHOLOGY,MIDSR DENTAL COLLEGE,LATUR-413512-
413512
INDIAN
12. Names, addresses and nationalities of other persons, if any,
authorised to assign or licence of rights comprising the copyright : N.A.
13. If the work is an 'Artistic work', the location of the original work,
including name, address and nationality of the person in possession
of the work. (In the case of an architectural work, the year of
completion of the work should also be shown). : N.A.
14. If the work is an 'Artistic work' which is used or capable of being
used in relation to any goods or services, the application should
include a certification from the Registrar of Trade Marks in terms of
the provision to Sub-Section (i) of Section 45 of the Copyright Act,
1957. : N.A.
15. If the work is an 'Artistic work', whether it is registered under the
Designs Act 2000 if yes give details. : N.A.
16. If the work is an 'Artistic work', capable of being registered as a
design under the Designs Act 2000, whether it has been applied to an
article though an industrial process and ,if yes ,the number of times
it is reproduced. : N.A.
17. Remarks, if any :

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Date of Application : 25/08/2021

Date of Receipt : 25/08/2021

Diary Number : 20438/2021-CO/L
Ministry of Commerce & Industry
Department For Promotion of Industry & Internal Trade

Copyright Office
(Tel: 011--28032496)



Boudhik Sampada Bhawan,
Plot No. 32, Sector 14, Dwarka
New Delhi-110075
Dated :05/10/2021

To,
DR.SMITA CHAWARE
DEPARTMENT OF ORAL PATHOLOGY,MIDSR DENTAL COLLEGE,LATUR-413512 ,
413512

Subject : Copyright Registration Certificate - forwarding of.

With reference to your application dated 25/08/2021, I have the honour to send herewith a copy of the extract from the Register of Copyrights with regard to the work **UPDATED CLASSIFICATION OF ORAL PIGMENTED LESIONS** particulars of which have been entered in the Register of Copyrights.

Kindly acknowledge receipt of this letter.

Yours faithfully

Deputy Registrar of Copyrights

Updated Classification of Oral Pigmented Lesions

Dr.Smita Chaware

Pigmentations are frequently found in the mouth. They characterize in various clinical patterns that can range from physiologic pigmentation to oral manifestations of systemic diseases and malignancies. Changes in color of oral mucosa reflects the underlying health status, can be attributed to the deposition of either endogenous or exogenous pigments. The variety of pigmentations can be in the form of blue/purple vascular lesions, brown melanotic lesions, brown heme-associated lesions, gray/black pigmentations. Clinician must assess several parameters associated with pigmented lesions such as location, shape, color, size and conduct a thorough medical history with relevant physical examination. Multidisciplinary care is often essential to effectively manage patients with these conditions. Since the dental professionals encounter a number of pigmented lesions in the oral cavity, it is important to have a widespread knowledge about pathogenesis, clinical manifestations, possibility of malignant transformations and their management. In this classification various pigmentations of the oral cavity are discussed.

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UPDATED CLASSIFICATION OF ORAL PIGMENTED LESIONS

A) Based on Clinical Presentation of Lesions:

A1) Based on Location:

i) **Focal:** Melanotic Macule, Nevus, Amalgam Tattoo, Melanoma, Graphite tattoo, Hemangioma

ii) **Multifocal:** Kaposi sarcoma, Hereditary hemorrhagic telangiectasia, Physiologic pigmentation, Hemochromatosis, Neurofibromatosis, Lichen planus, Addison's disease, Drug-induced pigmentation, Petechiae, Peutz-Jeghers syndrome, Heavy-metal ingestion pigmentation.

A2) Based on Color:

i) **Blue/purple lesions:** Hemangioma, Varix, Angiosarcoma, Kaposi's Sarcoma, Hereditary Hemorrhagic Telangiectasia.



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ii] **Brown Melanotic lesions:** Ephelids, Oral melanotic macule, Nevocellular nevus, Melanoma, Drug-induced melanosis, Physiologic pigmentation, Café au Lait pigmentation, Smoker's melanosis, Pigmented Lichen Planus, Endocrinopathic pigmentation, HIV Oral Melanosis, Peutz-Jeghers syndrome.

iii] **Brown Heme-associated lesions:** Ecchymosis, Petechiae, Hemochromatosis.

iv] **Gray/Black pigmentations:** Amalgam Tattoo, Graphite Tattoo, *Hairy Tongue*, Pigmentation Related to heavy-metal ingestion.

A3] Based on syndromes associated with oral pigmented lesions:

Addison's Disease, Peutz-Jeghers Syndrome, Albright Syndrome, Neurofibromatosis, Laugier-Hunziker Syndrome, Nelsons Syndrome.

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B] Based on lesions caused by exogenous pigmentation:

Silver amalgam tattoo, Lead, Mercury, Bismuth, Chromogenic bacteria, Graphite tattoo, Drug-induced Pigmentation, Medicinal Metal-induced Pigmentation, Hairy Tongue, Accidental impregnation, Iatrogenic impregnation.

C] Based on lesions caused by endogenous pigmentation:

Normal racial variation, Melanin, Focal Melanocytic Pigmentation, Freckle/ Ephelis, Oral Melanotic Macule, Oral Melanoacanthoma, Melanocytic Nevus, Malignant Melanoma, Blood and bile pigments, Carotene, Lipofuscin, Varix, Addison's disease, Peutz-Jeghers Syndrome, Albright's Syndrome, Hyperfunction of the pituitary gland, Pregnancy and female sex hormones, Bilirubin, Haemochromatosis, Smoker's melanosis, Lentigo, HIV/AIDS.



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