

The Diagnostic Value of Facial Expressions in Homeopathy: From Materia Medica Keynotes to Artificial Intelligence Applications

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Abstract

Background: Facial expressions are recognized as objective symptoms in homeopathy, forming part of the “totality of symptoms” essential for individualized prescribing. Classical Materia medica texts, including Allen’s *Keynotes* and Boericke’s *Materia Medica*, describe characteristic “facies” that guide remedy differentiation. Modern neuroscience validates facial expressions as universal markers of emotion, while artificial intelligence (AI) enables real-time emotion recognition. Clinical observations such as Sepia’s “butterfly pigmentation” remain reliable keynote symptoms. Contributions from Dr. Kulkarni and Louis Kuhne further enrich the interpretive framework.

Keywords: Facial expression analysis ;Homeopathy; Artificial intelligence (AI); Materia Medica; Sepia officinalis; Pigmentation (Butterfly rash / Yellow saddle)

I. METHODS

This review synthesizes classical homeopathic sources, modern neuroscientific frameworks, and AI-based diagnostic tools. Key remedies with characteristic facial signs were identified from Allen, Boericke, Kulkarni, and predictive homeopathy. Clinical observations of pigmentation patterns and facial gestures were analyzed alongside AI-assisted facial recognition case studies.

II. RESULTS

- **Scientific Concepts:** Darwin’s universality hypothesis and Ekman’s Facial Action Coding System (FACS) support the cross-cultural reliability of facial expressions (1,2). Microexpressions and involuntary pathways provide diagnostic cues (3,4). Louis Kuhne emphasized facial expression as a window into internal pathology, reinforcing its diagnostic value (12).

- **Clinical Relevance:** Facial cues remain vital in pediatrics, geriatrics, and psychiatry. Homeopathic Facial Analysis (HFA) links facial features to miasmatic predispositions (6,7).
- **AI Integration:** Deep learning models detect emotions in real time; AI skin analysis tools recommend remedies; biometric correlation enhances remedy accuracy (5,8).

Classical Materia Medica Observations:

- *Aconite*: Anxiety, one cheek red, one pale (6).
- *Lycopodium*: Deep furrows on forehead, fan-like motion of alae nasi (7).
- *Platina*: Expressions of pride and arrogance (7).
- *Hekla Lava*: Facial bone tumors, jaw swelling (7).
- *Physostigma*: Lagophthalmos, inability to close eyes (7).

Sepia’s “Yellow Saddle” (Butterfly Pigmentation):

- Boericke describes a brownish-yellow discoloration across the nose and cheeks, linked to uterine and hepatic disorders (7).
- Allen emphasizes its association with bearing-down pelvic sensations (6).
- Clinical correlation: weary indifference, sallow complexion, puffiness under eyes.
- Differential diagnosis: *Cadmium sulph* (yellow streaks worsened by sun), *Lycopodium* (brownish-yellow spots on temples), *Natrum muriaticum* (sun-induced pigmentation).
- Modern application: Case studies show *Sepia* 200CH or higher resolving hyperpigmentation within 3–9 months.
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Dr. Kulkarni's Facial Gesture Mapping:

- *Anger:* Pouting lips, scowling, locked jaw → *Stramonium, Nux vomica.*
- *Pride/Arrogance:* “Looking down” expressions → *Platina.*

- *Sarcasm:* Sharp tongue, acrid facial cues → *Lactic acid* (13).

Dr. Prafull Vijayakar's Aspect:

Briefly, Vijayakar classified faces into Vital, Round, and Motive types, correlating them with Psoric, Sycotic, and Syphilitic miasms (10,11).

Comparative Clinical Table: Pigmentation Remedies

Remedy	Characteristic Pigmentation / Facial Sign	Clinical Context	Key References
<i>Sepia officinalis</i>	<i>Yellow saddle</i> or “butterfly pigmentation” across nose and cheeks; brownish-yellow chloasma/melasma	Associated with female hormonal transitions (pregnancy, menopause), uterine disorders, chronic hepatic congestion; often with sallow complexion and indifference	Allen (6), Boericke (7)
<i>Cadmium sulphuratum</i>	Yellow streaks or patches on nose and cheeks, aggravated by wind or sun	Indicated in chronic skin conditions and pigmentation worsened by environmental exposure	Boericke (7)
<i>Lycopodium clavatum</i>	Brownish-yellow spots, often on forehead and temples; “prematurely old” facial appearance	Linked to digestive weakness, hepatic disorders, and sycoticmiasm tendencies	Boericke (7)
<i>Natrum muriaticum</i>	Sun-induced pigmentation; dirty-appearing skin	oily, Common in patients with grief, anemia, or chronic headaches; pigmentation worsens with sunlight	Boericke (7)

III. CONCLUSION

Facial expression analysis in homeopathy exemplifies the fusion of classical observation with modern AI-driven precision. The “butterfly pigmentation” of *Sepia officinalis* remains a reliable keynote symptom, while Kulkarni’s mapping of complex gestures and Kuhne’s physiognomic science expand interpretive depth. Classical *Materia medica* provides enduring anchors, predictive homeopathy enriches interpretation, and AI enhances diagnostic accuracy and follow-up measurement.

REFERENCES

- [1] Darwin C. The Expression of the Emotions in Man and Animals. London: John Murray; 1872.
- [2] Ekman P, Friesen WV. Facial Action Coding System: A Technique for the Measurement of Facial Movement. Consulting Psychologists Press; 1978.
- [3] Mohana M, Subashini P. Facial Expression Recognition Using Machine Learning and Deep Learning Techniques: A Systematic Review. SN Comput Sci. 2024;5:432.
- [4] Ekman P. Microexpression recognition and its applications. Philos Trans R Soc Lond B Biol Sci. 2009;364(1535):349–58.
- [5] Mala M, Thebar J, Arora M, Roy B, Singh R. Impact of Artificial Intelligence in Homeopathy. IJMRA. 2025;7(10).
- [6] Allen HC. Keynotes and Characteristics with Comparisons of Some of the Leading Remedies of the *Materia Medica*. Philadelphia: Boericke& Tafel; 1898.
- [7] Boericke W. Pocket Manual of Homoeopathic *Materia Medica*. Philadelphia: Boericke& Tafel; 1927.
- [8] Dr Batra’s Healthcare. AI Skin Pro: Personalized Homeopathy for Skin. Mumbai: Dr Batra’s; 2025.
- [9] Hahnemann S. Organon of Medicine. 6th ed. New Delhi: B Jain Publishers; 1994.
- [10] Vijayakar P. Genetic *Materia Medica*. Mumbai: Predictive Homoeopathy Publications; 1999.
- [11] Vijayakar P. Predictive Homeopathy – Verbatim. Mumbai: Predictive Homoeopathy; 2005.
- [12] Kuhne L. The Science of Facial Expression. Leipzig: Kuhne Publishing; 1893.
- [13] Kulkarni A. Facial Gestures and Homeopathic Remedy Mapping. Pune: Clinical Homoeopathy Press; 2015.