(IJRMST) 2019, Vol. No. 8, Jul-Dec

# AN APPROACH IN SKIN CARE AND AGING: IN AYURVEDA

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#### **ABSTRACT**

Beauty is the desire of every entity to give pleasure to the sense. It is not always related to women rather men are more beauty consciousness in present era. Ayurveda deals with all the aspects of human life. It never isolatethe involvement of metal and spiritual well being from the concept of beauty. Beauty is not only a source of joy but gives confidence and proud in some extent. About Skin, it is the basic element of the external appearance. Beauty is generally depended on the type and texture of the skin one has. Beside it beauty is also depend in other factors like hair falling, hair graying, any type of scar and wrinkle free skin etc. It is essential for the preservation, restoration or best owing of bodily beauty and also in the surgical correction of disfigured physical defects. Beautiful and glowing skin of person gives perceptual experience of satisfaction. In Ayurvedic science many herbal drugs has been prescribed for beautification of skin, teeth, nails and hair deals in a very specific way like-Haridra, Manjistha, Sariva, Chandana, Amalaki, Ghritkumari, Babul, Lavanga, Shikakai, Ritha, Bhringaraj etc. etc.Charak Samhita classified cosmetics drugs as Varnya, Kushthaghna, Kandughna, Vayasthapak, Udardaprashamana etc. and many alepam (poultice) are described in Susruta Samhita and AshtangaHrudaya. Daily regimen of an individual has a special role to improve and maintain beauty. Panchakarma therapy are employed for beautification of skin – the marker of overall condition of individual.Rasayana therapy are also employed for beautification of skin as per Ayurveda.

#### INTRODUCTION

Ayurveda relates to every aspect of the mind, body and soul. It consider the beauty as an intimate part of the human personality. It is not only the science of medicine but it is the soul of leading healthy life<sup>1</sup>. The beauty of nature can have a profound effect upon our senses, indirectly on our skin also. It is not only a source of joy but gives confidence and proud in some extent. Ancient Acharyas like AbhijnanaShakuntalam Meghadootam of Kalidasa and many mythological epics encompass the reference of cosmetics like: Tilak, Kajal, Alita and Agaru that were used as body decorative and to create beauty spots that era ruled by Gods and their deities. In aspect of the skin, healthy skin is mirror of the healthy body. The skin is considered as a protective covering for more delicate & functionally sophisticated internal viscera<sup>2</sup>. The Ayurvedic beauty

is in the surrounding of our nature. Indians are skillfully use it,in daily and seasonal regimen like vegetables, fruit, spices, herbals, precious stones, metals and minerals which are elixir for skin care and delay aging. The concept of using herbs and minerals for beautification and delay ageing is well defined in Ayurvedic text.In Ayurveda, skin care and delay aging or rejuvenation has described systematically; the measures to maintain it, attain it, and also to enhance it through proper diet and nutrition, serenity of mind, and other specific measures to take care of different aspects of beauty. Ayurvedic science also believes that the serenity and contentment of true beautiful face is the direct reflection of Ojas which is the by-product of a healthy, efficient, contented physiology<sup>3</sup>. Ayurveda gives emphasis on lifestyle modifications such as following daily and seasonal regimens. These include guidelines about eating right food, at the right time,

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in right way, based on the seasons and one's constitution; regularizing bedtime rituals, practicing meditation, exercises, maintaining purity of mind and soul<sup>4,5</sup>. Diet and lifestyle are two main things that can help achieve good health and beauty. These are help for being healthy skin and delay aging.

## CONCEPT OF TWAK (SKIN) AND JARA JANAYA VIKAR (AGING DISOREDER) IN AYURVEDIC COSMETOLOGY

Skin care is one of the most important components of natural beauty, no matter what your age, skin type or skin tone. Skin is are mirror of an individual's personality<sup>6</sup>. Skin (Twak) gives clue to ones Ayurvedic constitution (Dosha). This is usually understood by the type of skin one has either it is Vatika, Paitika, and Kaphaja. Acharya Sushruta described the process of formation of Twak in the developing foetus. He state that after fertilization of ovum Twak develops just like a cream on the surface of milk in the uterus during the course of development of Garbha, differentiation of the layers of the skin takes place and is produced by all three Doshas, particularly by the PittaDosha (Bhrajaka and RanjakaPitta)<sup>2</sup>. So involvement of PaittikaDoshais very important in skin care and delay aging. Ayurvedic herbal medicines act as nutri-cosmetics which nourish the tissues and micro channels of the body which are Srotas. They improve circulation, thereby revitalizing the tissues. In Ayurveda there are many product they delay ageing (Jara) disorder which are due to forming of free radical and tissue degeneration, use by Rasayantherapy. One of the most important reasons for the increased use of Ayurvedic Cosmetology is that this system can clearly bring out a clear glowing skin with inner happiness, relaxation and without causing any harmful effect.

### SKIN CARE AND DELAY AGING MANAGEMENT THROUGH AYURVEDA:

e-ISSN: 2455-5134, p-ISSN: 2455-9059

CharakSamhita classified some herbal drugs as Varnya, Kusthaghna, Kandughna, Vayasthapak, Udardaprashamana, and Keshya, etc. Many alepam (poultice) Pradeha, upnaha, anjana, taila are described in SusrutaSamhita and Astangahrudaya in the context of twakroga. The very common medicines are Kungkumaditaila, Dashngalepam,Chandanadilepam,

Dashanasamskarchurna, Nilibringarajtaila, Himasagartaila, etc. are very well established medicine in Ayurveda. Sesame Oil is used as a base in many oil in Ayurveda. It contains Lignan compounds called Sesamin and Sesamolin, which are biologically active. These compounds enhance oxidative stability of the oil. They have potential to be used as anti oxidant compounds as well as having a moisturising effect. Buttermilk and goat's milk powders traditionally used in Indian face mask preparations have soothing and emollient properties. They also contain vitamin A, B6, B12 and E. They make beneficial alternatives to chemical bases and emollients. Shikakai is a traditional herb used in hair shampoos. The material is extracted from the Shikakai pods and Shikakai nuts of the Acacia Concinnashrub. The pods are rich in Saponins and make a mild detergenent, which has a neutral pH.Aritha powder, extracted from Soapnuts (Sapindus Pericarp) also contains Saponins, which acts as a foaming agent. It was used as soap in Ayurvedic tradition. The oils also maintain integrity of cosmetic products and could be used as a base instead of petroleum and plastic derivatives. There are significant evidences already generated for Ayurveda skin care in vitiligo, psoriasis, eczema and acne vulgaris.<sup>7,8</sup>.

Ayurvedic Classics mentioned some of the specific points for enhancement of different aspects of Beauty. There are several herbal drugsin some *mahakashaya*mentioned in *CharakSamhita*related to beautification in Ayurveda of which following are described in brief in table no.1:

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#### Table no. 1:

| Action                                   | Herbal drug along with Uses  |
|--|--|
| 1. Varnya <sup>9</sup>                   | 1. Raktachandan (Petrocarpussantalinus) - Natural toner and skin                   |
| (complexion promotive)                   | rejuvenator, Anti-Inflammatory, Anti-septic, & Anti allergic                       |
|  | 2. Lodhra (Symplococusracemosa)–Glowing Skin, blood purify,                        |
|  | Leucoderma, Leprosy, Psoriasis & Inflammation.                                     |
|  | 3. <i>Manjishtha</i> (Rubiacordifolia) - blood purify, skin diseases, improves     |
|  | skin complexion.   |
|  | 4. <i>Usheer</i> (Vetiveriazizanioides) - Anti-Inflammatory, Anti-septic, dryness  |
|  | and cracking of skin.  |
|  | 5.Svetachandana (Santalum album) - Improves the skin complexion,                   |
|  | relieves the itching, burning and redness of the skin.                             |
|  | 6. KumKum (Crocus sativus) - Improves complexion, useful in hyper                  |
|  | pigmented spots.   |
|  | 7. Punnaga (Calophylluminophyllum) - skin rejuvenator, skin diseases               |
|  | like acne, acne scars, psoriasis, eczema, dermatitis.                              |
| 2. Tarunyapitika (Pimples) <sup>10</sup> | 1. Lodhra (Symplococusracemosa)-Glowing Skin, blood purify, Anti-                  |
|  | bacterial.   |
|  | 2. Sarshapa (Brassica nigra)-Anti-bacterial, Antifungal, Anti-viral, Anti-         |
|  | Inflammatory.  |
|  | 3. Vacha (Acoruscalamus) -Anti-bacterial, improve speech, memory and               |
|  | intelligence.  |
| 3. Kushthahara <sup>11</sup>             | 1. Ela (Elatteriacardamomum) - Anti-microbial, Anti-ulcer, Anti-Allergy            |
|  | properties.  |
|  | 2. <i>Kushtha</i> (Saussurealappa) - Anti-viral, Antibacterial, Anti-fungal &      |
|  | Anti-allergy.  |
|  | 3. <i>Daruharidra</i> (Berberisaristata)- Anti-bacterial, Anti-fungal, Anti-viral, |
|  | Anti-Inflammatory & Anti Tumor.  |
|  | 4. Chitrak (Plumbagozeylanica) -Anti-fungal, Anti Inflammatory & Anti-             |
|  | worm infection.  |
|  | 5. Vidanga (Emblicaribes) - Anti-Worm infection, Anti-fungal, Anti-                |
|  | Bacterial.   |
|  | 6. Haritaki (Terminalia chebula) - Anti-Bacterial, Anti-fungal & Anti-             |
|  | septic.  |
| 4. Kesya(Hair Care) <sup>12</sup>        | 1. Bhringaraj (Eclipta alba) - Improves quality of hair, Rejuvenating and          |
|  | Anti aging.  |
|  | 2. <i>Hastidantamasi</i> (Ash of elephant ivory) –Improves hair length, strength   |
|  | and texture.   |
|  | 3. Narikela (Cocos nucifera) - Hair care, Anti-fungal and Anti-bacterial           |
|  | properties.  |
|  | 4. Gokshur (Tribulusterrestris) - Control hair fall                                |
|  | 5. <i>Til</i> ( <b>Sesamumindicum</b> ) – Hair and skin care.                      |
| 5. KeshaKrushnakarak(Hair                | 1. <i>Indravaruni</i> (Citrulluscolocynthis) -Prevent greying of hairs and as an   |
| blackening) <sup>13</sup>                | anti- dandruff agent.  |
| <i>J</i> ,                               | 2. <i>Bhringaraj</i> (Eclipta alba) - Hair growth, darkening of the hair and makes |
|  |  |
| <i>6</i> /                               |  |

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| 3. <i>Gunja</i> (Abrusprecatorius) - Prevent greying of hairs.                     |  |  |
|--|--|--|
| 4. Shikakai (Acacia concinna) - Hair growth, darkening of the hair.                |  |  |
| 5. <i>Ritha</i> (Sapindustrifoliatus) - Prevent greying of hairs and makes them    |  |  |
| lustrous and shiny.  |  |  |
| 6. Nilini (Indigoferatinctoria) - Hair growth, darkening of the hair.              |  |  |
| 7. Amalaki (Emblicaofficinalis) - Prevent greying of hairs and as an anti-         |  |  |
| dandruff agent and makes them lustrous and shiny.                                  |  |  |
| 1. Ginger or Garlic (Zingiberofficinale Roscoe): Soak feet in a bucket o           |  |  |
| warm water containing either a few pods of crushed garlic or crushed               |  |  |
| ginger. Add to this a little alcohol. Soak feet for 10 minutes.                    |  |  |
| 2. Neem (Azadirachtaindica) and turmeric (Curcuma longa) paste:                    |  |  |
| Take a few Neem leaves and add to them a tablespoon of turmeric powder.            |  |  |
| Add a little water and put it into a mixer to form a thick paste.                  |  |  |
| 3. Soaked foot in Luke warm water with salt <sup>14</sup> .                        |  |  |
| Sunflower seeds, sesame seeds, nuts, nail cream with almond oil and honey          |  |  |
| can be prepared and left overnight <sup>14</sup> .                                 |  |  |
| 1. Svetachandana (Santalum album) - Deodrants, Various skin disorders,             |  |  |
| relieves the itching, burning and redness of the skin.                             |  |  |
| 2. Lavender (Lavandulaangustifolia) - Soaps, cosmetics, perfumes and               |  |  |
| decorations.   |  |  |
| 3. <i>Kumkuma</i> (Crocus sativus) - Improves complexion, hyperpigmented           |  |  |
| spots.   |  |  |
| 4. <b>Distilled products</b> of Rose, Jasmine (Mogra) etc. (applied in the form of |  |  |
| paste or Perfumes over the body) <sup>14</sup>                                     |  |  |
| 1. Haritaki (Terminalia chebula)- Anti-oxidants, Astringent, Anti-fungal           |  |  |
| & Anti-septic.   |  |  |
| 2. Amalaki(Emblicaofficinalis)- Anti oxidants, Anti Allergic properties.           |  |  |
| 3. <i>Guduchi</i> (Tinosporiacordifolia) - Anti oxidants, Anti-microbial activity. |  |  |
| 4. Bibhitaki(Terminalia belerica)- Anti-Bacterial, Anti-Oxidant, Anti-             |  |  |
| Allergy Properties.  |  |  |
| 5. <i>Nagbala</i> (Sidaveronicaefolia)- Aphrodisiac, Rejuvenative effects.         |  |  |
| 6. Vidanga (Emblicaribes) – Anti-aging, Anti-fungal, Anti-Bacterial.               |  |  |
| 7. <b>Pippali</b> ( <b>Piper longam</b> )- Anti-aging, Anti-microbial activity.    |  |  |
|  |  |  |

#### Some Miscellaneous single herbal products List commonly used in cosmetics in table no. 2:

#### Table no. 2:

| A. Medicinal Plants used as Moisturizers, Skin Tonics & Anti-Aging |  |  |
|--|--|--|
| 1. Aloe vera   | Moisturizer, Sunscreen & Emollient             |  |
| 2.Calendula officinalis  | Wound healing                                  |  |
| 3. Cichoriumintybus  | Skin blemishes                                 |  |
| 4. Curcuma longa   | Antiseptic, Antibacterial, Improves complexion |  |
| 5. Glycyrrhizaglabra   | Skin whitening                                 |  |
| 6. Ocimum sanctum  | Anti-aging, Antibacterial & Antiseptic         |  |
| 7. Rubiacordifolia   | Wound healing & Anti-aging                     |  |
| 8. Triticumsativum   | Antioxidant, Skin nourisher, anti-wrinkle      |  |

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| B. Sun Screen:                            |   |  |  |  |
|---|---|--|--|--|
| 1.Aloe vera                               |   | Moisturizer  |  |  |
| 2.Suticum sativum                         |   | Antioxidant  |  |  |
| C. Sun Tan:                               |   |  |  |  |
| Cyperusrotundusand Moringaoliefera        |   | Sun tanning  |  |  |
| D. Astringent                             |   |  |  |  |
| 1. Mesuaferrea                            |   | Strong Astringent                                  |  |  |
| 2. Terminalia chebula ( <i>Haritaki</i> ) |   | Astringent, Antibacterial, Antifungal & Antiseptic |  |  |
| E. Dental Care                            |   |  |  |  |
| 1. Azadirachtaindica (Neem)               |   | Toothache, Antibacterial, Dental carries           |  |  |
| 2. Acacia Arabica                         |   | Swelling, Bleeding gums & Syphilitic infections    |  |  |
| 3. Barleriaprionitis                      |   | Toothache, Bleeding gums & strengthens teeth       |  |  |
| 4. MimosopsElengi                         |   | Astringent, keep gums healthy                      |  |  |
| 5. Syzygiumaromaticum                     |   | Local anesthetic, relieves toothache               |  |  |
| 6. SymplocosRacemosus                     |   | Strengthen gums and teeth                          |  |  |
| F. Dermatological Applications            |   |  |  |  |
| 1. Allium sativum                         |   | Antifungal, Antiseptic, Tonic                      |  |  |
| 3. Azadirachtaindica                      |   | Potent Antibacterial                               |  |  |
| 4. Celastruspaniculata                    |   | Wounds healing, Eczema                             |  |  |
| 5. Nigella sativa                         |   | Antibacterial, Leucoderma                          |  |  |
| 6. Psoraleacorylifolia                    |   | Leucoderma, Leprosy, Psoriasis & Inflammation      |  |  |
| G. Hair Care                              |   |  |  |  |
| 1. Aloe Vera                              | Cleanser & Revitalizers                             |  |  |  |
| 2. Azadirachtaindica                      | Reduces hair loss, Anti-dandruff                    |  |  |  |
| 3. Bacopamonnieri                         | Hair tonic, Promotes hair growth                    |  |  |  |
| 4. Centellaasiatica                       | Darkening of hair                                   |  |  |  |
| 5. Eclipta alba                           | Reduces premature greying of hair, Alopecia         |  |  |  |
| 6. Emblicaofficinalis                     | Toner, Anti-dandruff, Protects & reduces hair loss  |  |  |  |
| 7. Hibiscus rosasinensis                  | Natural Hair dye, Prevent hair fall, Anti- dandruff |  |  |  |
| 8. Hedychium spicatum                     | Promotes hair growth                                |  |  |  |
| 9. Rosmarinusofficinalis                  | Nourishes, Softens & restores the hair shafts       |  |  |  |
| 10. Triticumsativum                       | Provides nourishment, lubrication & luster          |  |  |  |
| 11. Terminalia belerica                   | Prevents graying of hair                            |  |  |  |
| 12. Sesamumindicum                        | Promotes  | hair growth, blackens the hair                     |  |  |

#### Some Ayurvedic therapeutic procedure aboutremoval of toxins agent by Panchakarmain table no. 3:

#### Table no. 3:

#### 1. Shodhanachikitsa

- If *doshas* are vitiated in large amountin body and disease is chronic conditionthen *Shodhanachikitsa*should be administered first<sup>15</sup>.
- Ithas been classified under *Panchakarma*, i.e. *Basti* (Enema therapy), *Vamana* (Emesis), *Virechan* (Purgation), *Raktamokshana* (Bloodletting), *Nasya* (elimination of *Dosha* through nasal portion)<sup>16</sup>.

#### 2.Shamanachikitsa

• If doshas are minimally imbalanced and the body is weak, then Shamanachikitsa should be prefer. It can be

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- given as external and internal<sup>17</sup>.
- Administration of proper food and medicines orally is internal treatment and the application of medicated oil, Lepa (ointment), etc. is external treatment <sup>18</sup>.
- For all skin diseases '*Khadira*' and '*Aragwadh*' are mention as best oral medicine and local application respectively in Ayurvedic text<sup>19</sup>.
- Shirish, Nagkesara and Lodhra are used as an anti-sweating agent.
- There are also the mention of various herbs from *KushthaghnaMahakashaya* that are effective curatives for skin disorders like *Khadira* (Acacia catechu), *Abhaya*, *Amalaki* (Emblicaofficinalis), *Haridra* (Curcuma longa), *Bhallataka*, *Saptaparna*, *Aragvadha* (Cassia fistula), *Karavira*, *Vidanga* (Emblicaribes), and *Jati*<sup>20</sup>.
- Herbs which are mentioned in *EladiGana* can eliminate toxins from the body, clear the complexion that leads to glowing skin and alleviates pruritus, *Kustha* and boils<sup>21</sup>.

#### Some Rasayana mentioned in Ayurvedic classics in table no. 4

#### Table no. 4:

#### Rasayana& Skin Beauty

- In *AshtangaAyurveda*, *Rasayan* is the one that prevents ageing of the skin and the entire body and deals with optimum life span<sup>22</sup>.
- To maintain the balance between the *Doshas* and the *Dhatus*, *Rasayan* strives and contributes to the process.
- According to Ayurveda, *Rasayan* and skin have an innate relation because of vitiation of *Rasadhatu* the skin gets spoiled.
- Rasayanas revitalize the *Rasadidhatus* to cure and prevent skin eruptions.

## BENEFITS OF AYURVEDA IN COSMETOLOGY

- The human body responds well to natural substances and has a resistance to synthetic ones
- ➤ The skin and scalp are influenced at the cellular level, helping to improve normal function.
- Natural fragrances of flower and herbal extracts help to calm the nerves and induce relaxation.
- Herbs have a mild effect but have powerful & specific healing properties.
- Promotes the capacity to absorb products and restore the normal pH balances.
- Long history of safe human usage, not tested on animals.

#### **DISCUSSION**

The market for Ayurvedic beauty products is growing fast in last few years. Many companies have entered the segment with branded products in categories such as skin care, hair care, soaps and essential oils. More and more products now include herbal and botanical ingredients. The botanical actives market in Europe and North America is worth US\$ 840 million. Consumption for these products is growing at 8%<sup>23</sup>. Today, India is captivating the mainstream cosmetics industry in a big way. It starts from high-end brands creating makeup shades based on the country's bright colors to skin and hair-care lines capitalizing on Ayurveda, an ancient medicinal system using herbs and other natural ingredients<sup>23</sup>. Indian herbs and Ayurveda products are being sourced and tested for use in the cosmetics industry and practiced beauty parlours<sup>24</sup>. Herbs are currently used in their crude form, either dried into powders or pulverized with pestle and mortar. The concentration and action of bioactive compounds extracted from herbs have to be increased<sup>25</sup>. These formulae have to be tested in scientific trials with an evidence based approach. India could emerge as a major contributor to the

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global cosmetic industry. This is one of the strengths of India with its Ayurvedic tradition.

The India market has been traditionally inclined toward natural products for their beauty needs, and Indians have a history and knowledge of using natural products. While consumers in the rest of the world have to be educated about the benefits of natural herbs, this knowledge is well-inherited in India from generations. In Ayurvedic treaties the concept of Skin (Twak) is discussed with utmost importance so as to explain pathogenesis or samprapti of many skin diseases. Due to hectic life style and consumption of fast food various skin diseases like acne, wrinkling of skins, black spots hyper pigmentations and freckles etc. develops. It can be managed by using Ayurvedic ways without any side effects. Ayurveda believes that any type of stress or fear and any other negative thought or emotion can hamper skin's natural glow and shine. Besides emotion there are certain disorders that have adverse effect on body and skin. Few such ailments can be like that of Eczema, Psoriasis and Acne etc. There are other diseases relating to hyper pigmentation also that impair the skintissues. It is remarkable that mental stress can aggravate hyperpigmentation and thus AcharaRasayan should be adopted to have truthful, calm and easy life style and temper. To keep oneself fit and healthy at all ages Ayurveda has proposed numerous suggestion that if followed with dedication it maintains health and skin. Ayurveda suggests that the natural urges should not be suppressed. The bathing water must be cleaned and processed with medicinal and aromatic herb. Massaging of body should be done regularly with Varnyadravya. Hair massaging should be done regularly to keep it healthy and shiny. Natural products like Bhringaraj oil, coconut oil, castor oil, til oil or any other processed with Heena, Amla, Aloevera, Brahmi, Neem and Jatamansi should be used. Massage also relieves insomnia and induces good sleep. Good and sound sleep gives automatically glowing and fresh skin. The remedy of Nasyaprocedure must be administered to cure diseases that affects head, nose and throat and to increase the complexion of skin also. The effect of Virechankarma is also very effective which eliminate the excessive *Pittadosha* which are responsible for skin disorder.

e-ISSN: 2455-5134, p-ISSN: 2455-9059

#### CONCLUSION

Naturally, the health and radiance of our skin depends on what products we use to wash and moisturize. Beauty is not obtained in a single day. Both external and internal beauty of an individual is determined in the *Garbhavastha* itself. It is determined at the stage of *ShukraShonitaSamyog* itself mentioned in *SushrutaSamhita*. But it can be maintained by following the *Dincharya* (daily regimen), *Ritucharyas* (seasonal regimen), *Rasayan*, *Sadvrittas* and also by the *Shodhan* (Purificatory therapies) and *Shaman* procedures explained in our classics. *Shodhan* can be used for purification of toxic materials of skin. Under *Shamanchikitsa*, *Bahirparimarjanchikitsa* can be used to boost up the skin texture.

The quantity of skin reflects our inner vitality and health. No amount of bleaching, chemical creams, or application of makeup though dexterity of a skilled beautician can hide the shallow look, if skin is unhealthy. Uses of *Rasayan* can be used as the rejuvenation therapy for skin.

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