

Turmeric – The Miraculous Herb from Ancient India and its Historical Background

K. S. AKHILA*^a AND SREERAJ GOPI^b

^aAyushmadam Ayurveda Hospital and Research Center, Annanad Post, Chalakudy-680 309, Kerala, India; ^bR&D Centre, Aurea Biolabs (P) Ltd, Kolenchery, Cochin-682 311, Kerala, India

*E-mail: drakhilaks@gmail.com

1.1 Introduction

The history of Ayurveda starts from 5000 BC onwards when the Vedas, the first written dogma in India, is considered to be written. So, 5000–3000 BC is considered as the Vedic period. Rigveda, Samaveda, Yajurveda and Atharvaveda are the four vedas and their upavedas are Ithihasam, Dhanurvedam, Gandharvavedam and Ayurvedam, respectively. Ayurveda is the upaveda of Atharvaveda.¹ Therefore, it can be assumed that Ayurvedic principles have been in practice since the Vedic period. Hence it is clear that the origin of Ayurveda is about 5000 years ago. In the Vedas, especially Rigveda and Atharvaveda, there are various references about basic anatomy, medicinal herbs, surgery, examination procedures of patients, treatment principles, *etc.* According to Atharva veda, oushadha (medicine) can be divided into four

types: atharvani, angirasi, daivi and manushi.² The first three categories are related to vitality or will power and the final one, manushi, was the main line of treatment in the Vedic period, in which internal medicines were used. Ayurveda, the science of life, deals with natural methods to treat and prevent diseases and ways to maintain health. For that, Ayurveda utilises the drugs of plant, animal, mineral and metal origin. But most of the Ayurvedic medicinal formulations consist of herbal drugs. The ancient Ayurvedic treatises very well describe the identification, synonyms, properties, actions and varieties of various herbs.

1.2 Turmeric (Haridra) – in the Vedic Period

Turmeric, termed *Curcuma longa* Linn., belongs to the Zingiberaceae family. It is cultivated all over India as a commercial crop, as it has been used as a food ingredient in various Indian cuisines. It is a tall herb, with large leaves. The useful part of turmeric is its rhizome. In Ayurveda, turmeric is called haridra. It has been mentioned in various Ayurveda treatises from the Vedic period onwards. In Agnipurana, it is mentioned that haridra was used for the treatment of diseases such as kamala,³ prameha,⁴ vranaropana⁵ and arshas.⁶

1.3 Haridra in Nighantus

According to its morphological specialities and other physicochemical and pharmaceutical properties, many synonyms are given to haridra in various treatises. Nighantus are the main books that discuss those synonyms in detail. Haridra, rajani, nisa, nisakhya, varavarnini, suvarna, varnini, peetha, varangi, peethangi, hemaragini, varnathree, haritha, pinga, syama, kanchani, haldi, haldika, varnavathi, varnavilasini, rangini, vishaghna, siva, deergharaga, gouri, janishta, para, aneshatha, gandhapalashika, gharshani, jwaranthika, kaveri, mehaghni, besava, pindabhara, pinda, paribhra, varnada, mangalya, lambi, bhadra, sobhana, jayanthi, krimighna, yoshipriya, hattavilasini, bharalatha and romashamulika are the common synonyms of haridra that are mentioned in Nighantus. The Dhanwanthari Nighantu⁷ (10th century AD) contains 18 synonyms of haridra. The number of synonyms mentioned in various other Nighantus are as follows: Shodalanighantu⁸ (12 AD) – 10, Madanapala Nighantu⁹ (14 AD) – 10, Kayyadeva Nighantu¹⁰ (15 AD) – 20, Bhavaprakasa Nighantu¹¹ (16 AD) – 10, Raja Nighantu¹² (17 AD) – 30, Shaligrama Nighantu¹³ (19 AD) – 10, Mahoushadhi Nighantu¹⁴ (20 AD) – 14, Priya Nighantu¹⁵ (20 AD) – 4, Nighantu Adarsh¹⁶ (20 AD) – 4. The names haridra, varavarnini, suvarna, peetha, varangi, peethangi, lambi, *etc.* are given according to morphological features. But the names jwaranthika, mehaghni, krimighna, vishaghna indicate pharmaceutical properties.

1.4 Varieties of Haridra

Bhavaprakasa describes four varieties of haridra: haridra, amra haridra, vana haridra and daru haridra.¹⁷ In these varieties haridra is the one which is used very commonly in Ayurveda formulations, and is identified as *Curcuma longa* Linn., *i.e.* common turmeric. The rhizome of the plant *Curcuma amada* Roxb. is known as amra haridra, which belongs to zingiberaceae family. It is commonly called mango ginger and is cultivated throughout India; due to its rich flavour it is used in making chutneys. Research reveals its anticancer activities against some human cancer cell lines. Also, the rhizome extract shows antioxidant, anti-allergic, antibacterial, antifungal, analgesic and anti-inflammatory activities. *Curcuma aromatica* Salisb. (Zingiberaceae family) is considered as vana haridra. Next to common turmeric it is the most widely used turmeric species that has been mentioned in various Ayurveda medicines. In Ayurveda treatises it is described as a remedy for various skin diseases and respiratory disorders. It has been in traditional use as a medicinal cosmetic to enhance complexion. At the same time, it carries a very promising therapeutic value as it is very effective in sprains, bruises, skin diseases, *etc.* It has also been used as an antidote for snake bites. It is already proven that this particular drug has anti-inflammatory, antibacterial, antifungal, anti-allergic, antioxidant, anticancerous and wound healing properties. Daruharidra is a native shrub that is found commonly in the Himalayas, India. The plant *Berberis aristata* is considered as daruharidra, which belongs to the family berberidaceae. It is commonly called Indian barberry or tree turmeric. According to the ancient Ayurveda treatise bhavaprakasa, it is a very good remedy for various eye, ear and mouth diseases. It has been used for treating various skin disorders and haemorrhoids. Its fruits are a rich source of vitamin C, the roots are used to prepare some types of alcoholic drinks and the whole plant is a very good source of dye. In Ayurveda, it is used for the preparation of a special type of anjana (collyrium) known as rasanjana, which is useful in infective conjunctivitis.

1.5 Rasa Panchaka (Five Properties of Drug) of Haridra and its Therapeutic Effects

According to Ayurveda principles each dravya consists of five properties called rasapanchaka. They are: rasa (taste), guna – qualities, virya – potency, vipaka – taste conversion after digestion, prabhava – action that cannot be explained. They are intended to explain the pharmacological activity of the particular drug. Of these, the first four, *i.e.* rasa, guna, virya and vipaka, are perceptible. Haridra is tiktha katu (bitter and pungent) in taste, rooksha (dry) in quality, ushna (hot) in potency and katu (pungent) in post-digestive taste.¹⁸ These properties clearly declare its action on tridoshas (vata, pitha and kapha) and haridra balances all three doshas. It has been

used as a home remedy for thousands of years and its effect on various physical ailments has been proven naturally by repeated usage. It is found to increase skin tone and complexion, heal wounds and scars, manage chronic wounds and skin lesions and is used as an antidote for poisoning. Many studies have been done on the therapeutic effects of turmeric that report anti-inflammatory, antiseptic, antimicrobial, immunomodulatory, antioxidant, hepatoprotective, antidiabetic, anti-asthmatic and anticancerous properties.

1.6 Haridra in Ayurveda Treatises – Charaka Samhitha, Ashtanga Hrudayam, Susrutha Samhitha and Sarnghadhara Samhitha

Charaka Samhitha is noted as an excellent Ayurveda treatise on internal medicine. It is believed to have been written between 400 BCE and 200 BCE. It consists of eight sthanas (parts) and 120 chapters in total. The eight sthanas are suthra sthana, nidana sthana, chikithsa sthana, vimana sthana, sareera sthana, indriya sthana, kalpa sthana and sidhi sthana. Ashtanga Hrudaya, which is written by Vagbhata, is considered as the collected information of all eight branches of Ayurveda: kaya, bala, graha, urdhwanga, salya, damshttra, jara and vrisha, in simple language. It is considered to be written around the seventh century AD. It consists of six sthanas and 120 chapters. Suthra, nidana, chikithsa, sareera, kalpa and uthara are sthanas of Ashtanga Hrudaya. It contains all the salient features of Charaka Samhitha, Susrutha Samhitha and Ashtanga Samgraha. Susrutha Samhitha is a book of excellence in the field of surgery. The composition of this book may have begun by Susrutha in the last centuries BCE and it was completed by Drudabala (300–500 CE). It contains six sthanas and 186 chapters in total. The sthanas are: sutra, nidana, chikithsa, kalpa, sareera and uthara. Sarnghadhara Samhitha is a well-documented text of pharmaceutical processes and useful medicinal formulations. It is believed to have been written by Sarnghadhara around 14th century AD. It contains three sections and 32 chapters in total.

1.7 The Drug Groups of Haridra

All of the main Ayurveda treatises contain dravya ganas (drug groups) where the drugs of similar properties or actions or a particular indication are grouped together under a specific name. These are called ganas. Haridra is included in many such ganas in various treatises. Charaka included haridra in lekhaneeya gana¹⁹ (drugs with an ability to reduce excess tissues are said to have lekhaneeya property and they are shown to have a great effect on weight reduction), kushtaghna gana²⁰ (beneficial for skin diseases), vishaghna gana²¹ (potency to pacify toxic effects),

praja sthapana gana²² (fertility drugs), vamanadravyas²³ (vamana is one of the panchakarmas in which the increased doshas are expelled out of the body through the mouth), Kashaya skanda dravyas²⁴ (drugs that have an astringent taste) and sirovirechana gana²⁵ (sirovirechana or nasya is a panchakarma in which medicine is applied through the nasal cavity to eliminate excess doshas). According to Vagbhata, haridra is a member of tiktha skanda dravyas²⁶ (drugs having a bitter taste), haridradi ganam²⁷ (indicated for amatisara, adyavata and sthanya dosha, and for alleviation of medas and kapha, which means it can be very useful in obesity and diabetes), musthadigana²⁸ (indicated for yoni – sthanya amayaghna, mala pachana, which means it is very useful in uterine vaginal disorders and for purifying breast milk. Also, it is a digestant) and theekshna dhooma dravyas²⁹ (quickly penetrating medicated fumes). Acharya Susrutha included haridra in haridradi ganam,³⁰ musthadi ganam,³¹ lakshadi ganam³² (useful for treating ulcers and cutaneous infections), valli panchamullam³³ (roots of five medicinal creepers), samshamana oushadhas³⁴ (drugs for pacification), kapha samsamana varga³⁵ (that alleviate kapha, which is one of tridoshas), thiktha varga³⁶ (drugs that have a bitter taste) and nirooha varga³⁷ (nirooha is one of the panchakarmas, in which medicine is applied through the anal root to expel the increased doshas).

1.8 The Main Named Formulations of Haridra

The main formulations, where turmeric is a major ingredient, in Charaka Samhitha are: thikthekshuku taila³⁸ (skin diseases), mahatikthakam ghrtham³⁹ (skin diseases), mahakhadiram ghritham⁴⁰ (skin diseases), kalyanaka ghrtham⁴¹ (mental disorders, infertility), sidharthakadi agadam⁴² (psychiatric conditions), maha panchagavyam ghritham⁴³ (epilepsy, psychiatric problems), patoladyam choornam⁴⁴ (ascites, jaundice), moolasavam⁴⁵ (indigestion), kadukadyam ghrtham⁴⁶ (bleeding disorders), haridradi ghrtham⁴⁷ (jaundice), punarnava mandooram⁴⁸ (anaemia, spleen disorders), goudarishtam⁴⁹ (anaemia), Manasiladi ghrtham⁵⁰ (respiratory diseases), gudoochyadi ghrtham⁵¹ (respiratory diseases), mrthasanjeevani agada⁵² (poison), ganadha hasthi agada⁵³ (poison, skin diseases), maha gandhahasthi agada⁵⁴ (poison), ksharagada⁵⁵ (bladder stones, haemorrhoids), khadhira gudika⁵⁶ (tooth ache, gingivitis, stomatitis) and khuddaka tailam⁵⁷ (burning pain). In Ashtanga Hrudayam, vagbhata details the following formulations of haridra: vasishta rasayana⁵⁸ (cough, dyspnea), trikandakayam tailam⁵⁹ (diabetes), mahathikhthaka ghrtham⁶⁰ (skin diseases), nisoathamadi kashayam⁶¹ (skin diseases), gulgulu marichadi tailam⁶² (skin diseases), vajraka ghrtha⁶³ (skin diseases), gulgulu thikthaka ghrtham⁶⁴ (arthritis, haemorrhoids, skin diseases), gruhadhumi choornam⁶⁵ (arthritis), rajanyadi choornam⁶⁶ (digestive and respiratory disorders in children), laksha tailam⁶⁷ (for body massage to strengthen bones), sidharthakadi ghrtham⁶⁸ (mental disorders),

sidharthakadi agadam⁶⁹ (psychiatric illness), bhootharava ghrtham⁷⁰ (psychiatric problems), mahabhootharavaghrtham⁷¹ (psychiatric problems), hareethakyadi nasyanjanam⁷² (psychiatric problems), haridra dwayadi ghrtham⁷³ (psychiatric illness), kalyanaka ghrtham⁷⁴ (mental problems, emaciation), mahakalyanaka ghrtham⁷⁵ (mental problems, emaciation), mahath pachagavya ghrtham⁷⁶ (fever, epilepsy), hreeberadi nasyam⁷⁷ (eye diseases), khadiradi gulika⁷⁸ (tooth pain, gingivitis), arimedadi tailam⁷⁹ (tooth problems), jathyadi ghrutha⁸⁰ (non-healing wounds), madhukadi tailam⁸¹ (fistula), bhadradi tailam⁸² (skin disease, skin ulcer), samudradi varthi⁸³ (pilonidal sinus), manjishtadi trivrtham⁸⁴ (facial melanosis), kashmiradi ghrtham⁸⁵ (vaginal diseases, infertility), phalasarpis⁸⁶ (infertility, uterine disorders), chandrodaya gulika⁸⁷ (poison), panchavalkadi agadam⁸⁸ (snake poison), vajra gulika⁸⁹ (snake poison), vilwadi gulika⁹⁰ (poison, indigestion), rajanyadi pratisaranam⁹¹ (scorpion poison), agara dhoomadi lepanam⁹² (rat poison), dwinisadi ghrtham⁹³ (rat poison). Susrutha also describes some very effective formulations that contain haridra. They are aragwadhadhi varthi⁹⁴ (wounds), mahathikthakam grtham⁹⁵ (skin diseases), vajraka tailam⁹⁶ (skin diseases), mahavajraka tailam⁹⁷ (skin diseases), sanjeevani agadam⁹⁸ (poison), mahagadam⁹⁹ (poison), kalyanaka ghrutham¹⁰⁰ (mental problems, infertility), mahakalyanaka ghrutham¹⁰¹ (fever, general tonic), pachagavya ghrutham¹⁰² (pyrexia), triphaladi ghrutham¹⁰³ (fever, respiratory disorders), lakshadi tailam¹⁰⁴ (pyrexia), sidharadhaka ghrtham¹⁰⁵ (psychiatric problems), pachagavya ghrutham¹⁰⁶ (epilepsy), kalyana ghrutham¹⁰⁷ (psychiatric diseases, respiratory diseases) and phala ghrutham¹⁰⁸ (infertility). Sarngadhara Samhitha contains information on the following formulations of haridra: punarnavadi kwatha¹⁰⁹ (oedema), laghu manjishtadi Kashaya¹¹⁰ (skin diseases), bruhatha manjistadi kashayam¹¹¹ (skin diseases, paralysis), pathyadishadangam¹¹² (headache, eye diseases), sudharshana choornam¹¹³ (fever, pain), panchanibachooram¹¹⁴ (skin diseases), chandraprabha guggulu¹¹⁵ (diabetes, renal stones), paniya kalyana ghrutham¹¹⁶ (fever, epilepsy, infertility), mahathikthaka ghrutham¹¹⁷ (skin diseases, arthritis), kasisadyam ghrutham¹¹⁸ (skin diseases), jathyadi ghrutham¹¹⁹ (non-healing ulcers, pilonidal sinus), thriphala ghrutham¹²⁰ (eye diseases), gouradyam ghrutham¹²¹ (poison, skin diseases), phala ghrutham¹²² (infertility), lagu phala ghrutham¹²³ (vaginal diseases), lakshadi tailam¹²⁴ (pyrexia, cough), ankarakatailam¹²⁵ (fever), arka tailam¹²⁶ (skin diseases), marichadi tailam¹²⁷ (skin diseases), thriphaladi tailam¹²⁸ (seborrheic dermatitis), jathyadi tailam¹²⁹ (burns, wounds), patadi tailam¹³⁰ (sinusitis), chandhanadi tailam¹³¹ (fever, epilepsy), vacha tailam¹³² (thyroid diseases), dhathooram tailam¹³³ (arthritis, paralysis), kumaryasavam¹³⁴ (diabetes, irritable bowel disease), devadharvarishtam¹³⁵ (diabetes, arthritis), mahavahni rasam¹³⁶ (ascites, abdominal distension), kushtadi prathisarana choornam¹³⁷ (bleeding gums), dhashanga lepam¹³⁸ (poison, skin diseases) and rasanjanavarthi¹³⁹ in nakhtandhyatha (night blindness).

1.9 Other Sources where Haridra is Mentioned in Ayurveda Treatises

Even if haridra choorna is indicated for prameha in bruhath trayis (Sharaka Samhitha, Susruta Samhitha and Ashtanga Hrudaya), Ashtanga Hrudaya says haridra is the agryoushadha of prameha.¹⁴⁰ Charaka suggests turmeric powder added with honey and amalaki swarasa,¹⁴¹ but Vagbhata states that raw haridra along with dhatree rasa (gooseberry juice) will cure prameha.¹⁴² And another important thing, haridra is used as a lepanoushadha for vranasudhi in the context of medo arbuda chikithsa¹⁴³ (cancer treatment). Haridra is indicated as a garbhasthapana oushadha¹⁴⁴ (for pregnant women) in Charaka Samhitha. Intake of haridra choorna along with gomutra (cow's urine) is suggested as a good medicine for chronic skin diseases.¹⁴⁵

Some important choorna prayogas (powder formulations) of haridra available in ancient literature are: for various types of skin disease,^{146,147} for external application in parswaruja¹⁴⁸ (pleurodynia), swelling,¹⁴⁹ oedema,¹⁵⁰ for udwarthana¹⁵¹ (external rubbing) in kushta, mukhadhavana choornam in anorexia,¹⁵² for kasa¹⁵³ (cough) for moothrarodhaja udavartha¹⁵⁴ (abdominal pain due to retention of urine), swasa roga¹⁵⁵ (respiratory diseases), pandu¹⁵⁶ (anaemia), rakthapitha¹⁵⁷ (bleeding disorders) and amathisara chikitsa¹⁵⁸ (diarrhoea).

The oil formulations where haridra is a main ingredient are: taila for abyanga after cutting the umbilical cord during delivery,¹⁵⁹ tailam for shirovirechanam¹⁶⁰ (a therapy in which medicine is applied through the nose), for sandhigathavatha¹⁶¹ (arthritis), of tailam for pana, abhyanga and anuvasana¹⁶² (application through mouth, anal orifice and skin), kaphaja vrudhi chikithsa¹⁶³ (hernia), dhava twagadi nasya tailam,¹⁶⁴ vranaropana tailam,¹⁶⁵ taila for pana, abhyanga, gandhoosha, nasya and vasthi,¹⁶⁶ taila for nadivrana¹⁶⁷ (pilonidal sinus), taila for ropana and bhagandara vinashana,¹⁶⁸ taila for bhagandara (fistula).¹⁶⁹

Kashaya yogas (medicinal decoction) where haridra is included are: for kaphaja prameha,¹⁷⁰ for pithaja prameha,¹⁷¹ kaphapithajanya kushta,¹⁷² kashaya yoga for tridosha jwara,¹⁷³ athisara,¹⁷⁴ pakwathisara,¹⁷⁵ kashaya for pana and abhyanga,¹⁷⁶ sannipatha jwara,¹⁷⁷ amathisara chikitsa,¹⁷⁸ pithathisara chikitsa,¹⁷⁹ kapha jwara,¹⁸⁰ kapha jwara,¹⁸¹ mooshika visha¹⁸² (rat poison), kashaya for visha damsann¹⁸³ (snake bite), kashaya yoga for prameha chikithsa,¹⁸⁴ kaphadhika vataraktha¹⁸⁵ (rheumatoid arthritis).

Kshara yogas (alkaline preparations), where haridra is an ingredient are: udara,¹⁸⁶ for jadaragni vardhana,¹⁸⁷ chikithsa of udara,¹⁸⁸ etc.

Lepana yogas (medicated paste) where haridra is an ingredient are: in kushta chikithsa,¹⁸⁹ in arshas haridra choorna along with sudha ksheera,¹⁹⁰ thwak vishudhikara lepam,¹⁹¹ vathakapha vathasonitha,¹⁹² dadru,¹⁹³ nakha danthadi visha,¹⁹⁴ moosikka visha chikitsa,¹⁹⁵ lutha visha,¹⁹⁶ vrschika visha,¹⁹⁷ savarnakara,¹⁹⁸ pithaja nalivrana,¹⁹⁹ twak visudhi,²⁰⁰ vrana sodhana,²⁰¹ aroomshika,²⁰² lepana yoga in kukoonaka chikitsa²⁰³ lepana for vrana sodhana,²⁰⁴

lepana for pithadhika vataraktha,²⁰⁵ lepana during asmari chikitsa,²⁰⁶ lepa for nadi vrana,²⁰⁷ alepanoushadha for arshas,²⁰⁸ lepa for kushta chikitsa,²⁰⁹ lepa for swithra,²¹⁰ lepana for kaphaja upadamsa,²¹¹ lepana for nyacha, vyanga chikitsa,²¹² lepana in aroomshika chikitsa,²¹³ lepana after rakthamoksha in visha chikitsa,²¹⁴ siro lepam,²¹⁵ kushta,²¹⁶ kandu,²¹⁷ dadru,²¹⁸ shophya,²¹⁹ vrana shodhana,²²⁰ vasikarana.²²¹

Ghrutha yogas (medicated ghee) that contain haridra are: mrthdosha peeditha,²²² of mrthikakrthan sarvan vikaran,²²³ mrthikothbhava roga,²²⁴ vathajanya yoni rogam,²²⁵ manovikaras,²²⁶ pitha vidradhi chikithsa,²²⁷ kapha vidradhi chikithsa,²²⁸ karnavardhana ghrtham,²²⁹ pandu,²³⁰ swasakasa,²³¹ for dhara and pana,²³² for vranapurana,²³³ ghrutha for abhyamga on face,²³⁴ for snehapanam²³⁵ and ghrutha for kushta.²³⁶

Kalka prayogas (herbal paste) of haridra are indicated in pithathisara,²³⁷ in sarkarasmari,²³⁸ kalka prayoga in urusthambha²³⁹ and of kalka prayoga for dourgandha sthanya dosham.²⁴⁰

Nasya (nasal therapy), anjana (collyrium) applications that contain haridra are indicated in diseases such as: unmada and apasmara,²⁴¹ anjana in the treatment of visha, which affect kaphaja srothas,²⁴² gulika yoga for nasya and anjana,²⁴³ anjana for grahabadha,²⁴⁴ anjana for vishoochika,²⁴⁵ anjana for nakthandhyatha,²⁴⁶ anjana for divaseshu avasyatha,²⁴⁷ anjana for timira,²⁴⁸ nasya for pitha rakha janya peenasa²⁴⁹ and anjana for abhishyanda.²⁵⁰

Haridra in rasayana chikithsa (rejuvenation therapy), is an ingredient in sodhanoushadha, which is indicated prior to rasayana seva,²⁵¹ a rasayana yoga of abhayamalakeeya rasayana pada containing haridra, and that yoga is indicated for longevity and health,²⁵² virechana yoga in rasayana vidhi,²⁵³ jaladadi rasayanam²⁵⁴ and suntyadi rasayanam²⁵⁵ contain haridra as a main ingredient.

Haridra in visha chikithsa (treatment of poisons and toxins) it is used for gharshana in visha chikithsa,²⁵⁶ haridra is good as an agada in the sixth vishavega,²⁵⁷ kalka yoga anjana, nasya and lepana in visha sophya,²⁵⁸ kalka yoga for sarpa visha,²⁵⁹ agada yoga for visha,²⁶⁰ gruha godha visha chikithsa,²⁶¹ agada for nakha, dantha kshatha visham,²⁶² chathushpada dashtanam agada,²⁶³ amrtham ghrtam sarvavishahari,²⁶⁴ Vrana shodhana kshalana kashayam and lepam,²⁶⁵ peya yoga in visha chikitsa,²⁶⁶ dhoomaprayoga in vrishchika visha²⁶⁷ and prathisarana for ugra, madhya visha vruschika damsana.²⁶⁸

Haridra in vrana chikithsa (treatment of wounds and ulcers) is used in preparatory procedures julooka avacharana,²⁶⁹ avagharshana choornam,²⁷⁰ vranashodhana grtham,²⁷¹ vranashodhana tailam,²⁷² vranashopana grtham²⁷³ and vranashopana tailam.²⁷⁴ For bandhana in kaphaja vrana haridra pathra is used,²⁷⁵ ropana taila for sadyovrana,²⁷⁶ ropana taila for sadyovrana,²⁷⁷ sodhana taila,²⁷⁸ vrana sodhanoushadha²⁷⁹ and vrana puranam in kapha vidradhi chikitsa.²⁸⁰

Haridra in nethra chikithsa (treatment of eyes) kashaya yoga for nethradhara,²⁸¹ varthi for kukoonaka chikitsa,²⁸² dhara in arma chedana vidhi,²⁸³ manjishtadi dhara,²⁸⁴ pundrayashtyadi for plutha,²⁸⁵ dhara for Sudha sukla

chikithsa,²⁸⁶ Kashaya dhara for sushkakshipaka,²⁸⁷ ghrtha for dhara and nasya in pithabhishtyanda²⁸⁸ and aschyothana in praklinna varthna.²⁸⁹

Other modes of application of haridra like vasthi (medicated enema), virechana (purgation), gulika (pills), leha (a semi-solid preparation from drugs) and dhooma (inhalation therapy): vasthiyogam for kapharogi,²⁹⁰ in athisthoulya,²⁹¹ of virechanayoga in udara chikithsa,²⁹² gulika yoga for kushta,²⁹³ a gulika yoga for swithra and kushta,²⁹⁴ leha, choorna yoga for pithathisara,²⁹⁵ gulika for gulma,²⁹⁶ leha for swasa,²⁹⁷ varthi for dhoomapana,²⁹⁸ lehyam for aruchi,²⁹⁹ kalka dhooma prayoga for kandu yoni,³⁰⁰ vasthi yoga for kapha, pandu,³⁰¹ etc.

1.10 Conclusion

Nowadays, innumerable research efforts are taking place on the anticancerous, anti-inflammatory, antimicrobial and many other properties of turmeric and it is considered as one of the most precious drugs. However, turmeric (haridra) has been a part of Indian food culture for centuries and it is mentioned as a herb with many medicinal values even in the Vedas, the first written dogma in India. It was used as a home remedy, both for internal external applications. All Ayurveda medicinal treatises mention haridra as a single medicine or as a part of formulations. So, it is clear that the medicinal properties of this precious drug were first recognised by the great science of Ayurveda.

References

1. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.su 1/6], p. 2.
2. *Atharvaveda bhasha-bhashya*, ed. Dayananda Saraswathi, 1st edn, Dayananda Sansthan, New Delhi, 2007, p. 241.
3. V. Pandey, *Agnipurana, Part-2*, 300.34, Shree Satguru Publications, Delhi, 1st edn, 1997, p. 310.
4. V. Pandey, *Agnipurana, Part-2*, 283.15, Shree Satguru Publications, Delhi, 1st edn, 1997, p. 246.
5. V. Pandey, *Agnipurana, Part-2*, 283.25, Shree Satguru Publications, Delhi, 1st edn, 1997, p. 281.
6. V. Pandey, *Agnipurana, Part-2*, 283.14, Shree Satguru Publications, Delhi, 1st edn, 1997, p. 228.
7. *Dhanwantari Nighantu, Guduchyadi Varga*, edited by B. K. Diwedi, Chaukhambha Krishnadas Academy, Varanasi, 2008, pp. 45–46.
8. Sodhala, *Sodhala Nighantu*, edited by P. V. Sharma, Guduchyadi Varga, Oriental Institute, Baroda, 1st edn, 1978, p. 12.
9. Madanapala, *Madanpal Nighantu, Abhayadi Varga*, edited by J. L. N. Sasstry, Choukhamba Orientalia, 2010, p. 187.

10. Kaiyadeva, *Kaiyadeva Nighantu*, edited by P. V. Sharma and G. Sharma, Oushadhivarga, Chaukambha Orientatia, Varanasi, 2006, p. 131.
11. Sri Bhavamisra, *Bhavaprakasa Nighantu*, Commentary by padmshri Prof. K. C. Chunekar, edited by late G. S. Pandey, Haritakyadi Varga, Chaukhambha Bharati Academy, Varanasi, reprint 2015, Shlok No-196-197, pp. 111-112.
12. I. Tripathi, *Raj Nighantu*, Acharya Vishwanath Durvedi, Pippalyadi Varga, Krishna Das Academy, Varanasi, Shlok No-196-198, 2010, p. 174.
13. S. Vaishya, *Shaligrama Nighantu*, Haritakyadi Varga, Khemraj Shrikrishnadas Prakashan, Mumbai, 1st edn, 2002.
14. *Mahausadha Nighantu*, Mahaushadi Varga, edited by P. T. Aryadasa Kumar Singha and I. Tripathi, Chaukhambha Bharati Academy, Varanasi, reprint 2006, Shlok No. 117-118, p. 55.
15. P. V. Sharma, *Priya Nighantu*, Shatapuspadi Varga, Chaukambha Surabharati Prakashana, Varanasi, 2004, Shlok No-170-171, p. 107.
16. *Adarsh Nighantu*, Adrakadi Varga, edited by B. G. Vaidya, Chaukhambha Bharati Academy, Varanasi, reprint 2016, vol. 11, p. 556.
17. P. L. Hedge and A. Harini, *A Text Book of Dravyaguna Vijnana*, Chaukhambha Publications, 1st edn, 2014, vol. 2, p. 335.
18. K. C. Chunekar, *Bhavaprakasha Nighantu, Hareethakyadi Varga*, Chaukhambha Bharathi Academy, Varanasi, 2013, p. 111.
19. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.su 4/9], p. 32.
20. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.su 4/11], p. 33.
21. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.su 4/11], p. 33.
22. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.su 4/18], p. 34.
23. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.vi8/135], p. 283.
24. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.vi8/144], p. 285.
25. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.vi8/151], p. 286.
26. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash.su.10/28,29], p. 177.

27. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash.su15/35,36], p. 238.
28. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash.su15/40], p. 239.
29. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash.su21/17,18], p. 297.
30. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.su 38/27, 28], p. 166.
31. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.su 38/54, 55], p. 168.
32. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.su 38/64-65], p. 169.
33. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.su38/72], p. 169.
34. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.su 39/7], p. 171.
35. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.su 39/9], p. 172.
36. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.su 42/11], p. 186.
37. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 38/24-28], p. 541.
38. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi 7/108-110], p. 455.
39. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi7/144-150], p. 457.
40. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi 7/152-156], p. 457.
41. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi9/35-41], p. 471.

42. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi9/69-72], p. 473.
43. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi10/18-24], p. 475.
44. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi13/119-123], p. 497.
45. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi15/156-159], p. 522.
46. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi16/47-49], p. 529.
47. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi 16/53], p. 529.
48. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi.16/93-96], p. 530.
49. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi. 16/105], p. 531.
50. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi.17/145, 146], p. 539.
51. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi18/161, 162], p. 546.
52. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi23/54-60], p. 574.
53. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi23/71], p. 575.
54. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi23/79], p. 575.
55. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi23/101], p. 576.
56. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi26/206-214], p. 609.

57. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi29/114], p. 632.
58. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash.chi3/133-140].
59. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash-chi12/17,18], p. 679.
60. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash.chi19/8-10], p. 711.
61. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash.chi19/38,39], p. 714.
62. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [19/71, 72], p. 716.
63. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash-chi19/79-80], p. 717.
64. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash-chi.21/58-61], p. 726.
65. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash.chi. 22/36, 37], p. 731.
66. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash-chi 2/38-40], p. 783.
67. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u2/54-56], p. 784.
68. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u.5/10-12], p. 794.
69. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u5/13,14], p. 794.
70. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u5/19], pp. 794–795.
71. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 5/20], p. 795.

72. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u.5/36], p. 796.
73. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u.5/45, 46], p. 796.
74. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u.6/26-31], p. 799.
75. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u.6/32-33], p. 799.
76. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u.7/19-23], p. 803.
77. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u.13/69], p. 823.
78. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u.22/90-94], pp. 856-857.
79. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u.22/95], p. 857.
80. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u. 25/67], p. 869.
81. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u. 28/35, 36], p. 880.
82. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u. 30/22-24], p. 885.
83. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u. 30/39-40], p. 887.
84. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u. 32/32], p. 892.
85. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u. 34/28-29], p. 899.
86. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u. 34/62-66], p. 901.

87. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 35/24-27], p. 904.
88. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 36/63-64], p. 912.
89. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 36/82, 83], p. 913.
90. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 36/84-85], p. 913.
91. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 37/31], p. 916.
92. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 38/18], p. 921.
93. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 38/26], p. 921.
94. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 8/30, 31], p. 440.
95. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 9/8], p. 443.
96. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 9/54-56], p. 44.
97. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 9/57-63], p. 447.
98. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.ka 5/73, 74], p. 579.
99. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.ka 5/61, 62], p. 578.
100. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u39/229-233], p. 689.
101. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 39/234-239], p. 689.

102. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 39/240-242], p. 690.
103. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 39/245-253], p. 690.
104. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 39/256], p. 690.
105. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 61/31-33], p. 802.
106. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 61/34-37], p. 802.
107. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 62/26], p. 805.
108. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 62/27-29], p. 805.
109. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa. ma.kha 120, 121], p. 160.
110. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa. ma kha 136], p. 162.
111. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa. ma.kha 137-142], p. 162.
112. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa. ma.kha.143-145], p. 162.
113. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa. ma.kha 6/26-36], p. 182.
114. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa. ma.kha 6/148-153], p. 194.
115. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa. ma.kha 7/40-49], pp. 200-201.
116. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa. ma. kha 9/38-43], p. 217.

117. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa. ma. kha 9/45-50], p. 218.
118. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa. ma. kha 9/51-57], p. 218.
119. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa. ma. kha 9/58,59], p. 219.
120. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa. ma. kha], p. 220.
121. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa. ma. kha 72-74], p. 220.
122. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa. ma. kha 9/79-86], p. 221.
123. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa. ma. kha 9/87-90], p. 222.
124. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa. ma. kha 9/93-98], p. 222.
125. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa. ma. kha 9/99-100], p. 223.
126. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa. ma. kha 9/147], p. 227.
127. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa. ma. kha 9/148-152], p. 227.
128. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa. ma. kha 9/153], p. 228.
129. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa. ma. kha 9/168-171], p. 229.
130. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa. ma. kha 9/181], p. 230.
131. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa. ma. kha.9/191-194], p. 232.

132. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa.ma.kha 9/195-197], p. 232.
133. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa.ma.kha 9/199-210], p. 232.
134. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa.ma.kha 10/18-27], pp. 235–236.
135. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa.ma.kha 10/53-59], p. 237.
136. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa.207-212], p. 278.
137. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa.ma.kha 10/17, 18], p. 354.
138. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa.ma.kha. 11/4-6], p. 356.
139. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa.ma.kha 13/85], p. 391.
140. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u], p. 943.
141. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [Ch.chi 6/26], p. 447.
142. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash-chi.12/5, 6], p. 678.
143. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 18/41, 42], p. 474.
144. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.sa8/20], p. 343.
145. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 9/45], p. 446.
146. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.su 3/3, 3/8, 3/14], pp. 27–28.

147. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash.chi.19/33-36, 19/41], pp. 713–714.
148. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.su 3/25], p. 29.
149. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi 12/41, 42], p. 486.
150. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash.chi.17/39], p. 707.
151. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash.chi.19/65, 66], p. 716.
152. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 57/13], p. 786.
153. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 52/19, 20, 35], pp. 767–769.
154. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 55/24, 25], p. 778.
155. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 51/44], p. 764.
156. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 44/17, su.u 44/22, su.u 44/25, 26], pp. 731–732.
157. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 45/32, 33], p. 736.
158. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 40/40], p. 699.
159. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.sa8/44], p. 348.
160. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi26/184], p. 608.

161. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi29/142], p. 633.
162. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.si 4/18], p. 699.
163. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash-chi.13/33, 34], p. 683.
164. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 20/12], p. 844.
165. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 26/55], p. 873.
166. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 37/33-35], p. 533.
167. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 17/41], p. 469.
168. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 8/44-46], p. 441.
169. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 8/48, 49], p. 441.
170. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [cha.chi.6/27], p. 447.
171. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi 6/30], p. 447.
172. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi7/100], p. 455.
173. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash-chi.], p. 556.
174. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash-chi.9/61-63], p. 660.
175. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash.chi9/64], p. 660.

176. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u22//104], p. 857.
177. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 39/205, 206], p. 687.
178. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u.40/28], p. 699.
179. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 40/60-62], p. 700.
180. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 39/187], p. 686.
181. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 39/188, 189], p. 686.
182. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.ka 7/38, 39], p. 584.
183. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.ka 8/130-133], p. 593.
184. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 11/19], p. 452.
185. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 5/10], p. 426.
186. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi13/158-161], pp. 498-499.
187. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi15/182], p. 523.
188. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash-chi.15/70-73], p. 697.
189. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi.7/87, ch.chi7/167-170], pp. 454-458.
190. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi14/52-57], p. 504.

191. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi25/114], p. 596.
192. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi29/149], p. 633.
193. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash.chi19/85], p. 717.
194. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 38/40], p. 922.
195. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 38/17], p. 921.
196. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 83-85], pp. 919–920.
197. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 37/37-38], p. 916.
198. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 32/22], p. 892.
199. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 30/34], p. 886.
200. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 25/60], p. 868.
201. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 25/43], p. 867.
202. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 24/21, 22], p. 862.
203. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u9/25], p. 808.
204. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 2/93, 94], p. 414.
205. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 5/8], p. 425.

206. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi7/35], p. 437.
207. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi8/42], p. 441.
208. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 6/12], p. 432.
209. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 9/10], p. 443.
210. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 9/27, 28], p. 445.
211. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 19/33-35], p. 476.
212. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 20/35, 36], p. 480.
213. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 20/27, 28], p. 479.
214. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.ka 7/33], p. 583.
215. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 39/296-299], p. 694.
216. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa.ma.kha11/50, 51], p. 360.
217. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa.ma.kha 11/55], p. 360.
218. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa.ma.kha 11/56], p. 360.
219. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa.ma.kha 11/82, 83], p. 364.
220. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa.ma.kha 11/88], p. 364.

221. Sarngadhara, *Sarngadharasamhitha with Dipika and Gudarthadipika commentaries*, Chaukhambha Publications, Varanasi, reprint 2013, [sa.ma.kha 11/120], p. 368.
222. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi.16/119-121].
223. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash-chi.16/36, 37], p. 703.
224. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 2/76], pp. 531–532.
225. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi 30/53], p. 637.
226. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.ka 4/16, 17], p. 660.
227. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash-chi.13/4, 5], p. 681.
228. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash-chi.13.6/7], p. 681.
229. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [18/56-58], p. 840.
230. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 44/14, 15], p. 730.
231. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 51/21, 22], p. 762.
232. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 17/10-13], p. 467.
233. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 17/22], p. 468.
234. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 25/38-42], p. 496.
235. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 10/15], p. 451.

236. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 9/48, 49], p. 446.
237. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi 19/52-56], p. 552.
238. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi 26/63], p. 601.
239. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi 27/31], p. 614.
240. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi 30/273, 274], p. 645.
241. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi 9/64, 65], p. 471.
242. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi 23/69], p. 575.
243. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 5/15-17], p. 794.
244. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 60/44], p. 789.
245. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 56/18], p. 783.
246. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 17/17], p. 626.
247. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 17/27], p. 627.
248. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 18/101], p. 640.
249. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 24/29], p. 653.
250. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 9/14], p. 611.

251. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi 1/25], p. 377.
252. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi 1/76], p. 380.
253. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 39/11], p. 924.
254. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 39/46-47], p. 926.
255. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 39/105], p. 930.
256. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi 23/42], p. 573.
257. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi23/50], p. 574.
258. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi 23/190], p. 579.
259. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi 23/198], p. 580.
260. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi23/212], p. 580.
261. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi23/216], p. 580.
262. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi23/220], p. 581.
263. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi23/231], p. 581.
264. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi 23/246], p. 581.
265. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.chi25/85], p. 595.

266. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u 35/21, 22], p. 904.
267. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.ka 8/72, 73, 74], p. 591.
268. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.ka 8/67], p. 590.
269. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.su 13/19], p. 57.
270. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.su 14/35], p. 65.
271. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.su 37/16], p. 162.
272. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.su 37/19], p. 162.
273. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.su 37/25], p. 162.
274. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.su 37/26], p. 162.
275. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 1/113-119], p. 406.
276. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 2/75], p. 413.
277. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.su 2/82-84], p. 414.
278. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 2/89, 90, 91], p. 411.
279. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 8/43], p. 441.
280. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 16/24-26], p. 465.

281. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u.9/21], p. 808.
282. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u.9/32], p. 808.
283. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u.11/21,22], p. 813.
284. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u.16/13], p. 831.
285. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u.16/15], p. 831.
286. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [a.h.u.11/38], p. 814.
287. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u.9/21, 23, 24].
288. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u.10/3, 4, 5], pp. 612–613.
289. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u.12/49], p. 619.
290. A. Charaka, *Charaka samhitha revised by Dipika commentary of Chakrapanidatta*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Prakashan, Varanasi, reprint 2013, [ch.si.10/22, 23], p. 725.
291. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash.su.14/25-28], p. 226.
292. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash-chi.15/10, 11, 12], p. 693.
293. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash.chi.19/44], p. 714.
294. Vagbhata, *Astanga hrudaya with the commentaries of Arunadatta and Hemadri*, edited by Pt. Hari Sadasiva Sastri Paradakara, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2012, [ash.chi.19/64], pp. 715–716.
295. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u.40/63-65], p. 700.

296. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 42/49-51], pp. 720–721.
297. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 51/41], p. 764.
298. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 51/50], p. 764.
299. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 57/9-11, 8/67], pp. 590, 785.
300. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.u 38/27], p. 670.
301. Susrutha, *Susrutha samhitha with Nibandha samgraha commentary*, edited by Vaidya Jadavji Trikamji Acharya, Chaukhambha Sanskrit Sansthan, Varanasi, reprint 2013, [su.chi 38/64-66], p. 544.