

A Translation of the Nepalese Text of the *Suśrutasamhitā*

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Sūtrasthāna

Nidānasthāna

Śārīrasthāna

Śārīrasthāna 2: On Semen and Menstrual Fluid

Literature

Meulenbeld offered an annotated overview of this chapter and a bibliography of earlier scholarship to 2002.¹⁵⁷ Das (2003: chs 6–8) also studied topics of this chapter and in chapter 13 provided an overview of the conceptual background of ayurveda on the topics discussed in this chapter.

Translation

- 1 We shall now explain the anatomy that is the purification of sperm (*śukra*) and blood (*śoṇita*).
- 3 Semen (*retas*)¹⁵⁸ is incompetent to produce offspring if it is [characterized by] wind, bile, phlegm, blood (*śoṇita*),¹⁵⁹ decomposition (*kūṇapa*), clumps (*granthi*),¹⁶⁰ stinking pus (*pūtipūya*), low volume (*kṣīṇa*), urine, or feces.

¹⁵⁷ [HIML](#): IA, 244–246.

¹⁵⁸ The Nepalese version has -रेतांसि “semen” (in the plural) as the subject of the sentence: “seeds are unable to produce offspring....” In the vulgate, -रेतसः is a masculine bahuvrīhi, making “men whose semen has...” the subject of the sentence.

¹⁵⁹ Note that the list begins with the four entities, wind, bile, phlegm and blood, hinting at a four-humour system (see Wujastyk 2000: 485–486).

¹⁶⁰ Modern Establishment Medicine (MEM) understands that normal ejaculate contains coagula which, however, dissolve after about half an hour. But coagula that do not dissolve may sometimes be a sign of an underlying disorder (see, e.g., Lamming and Marshall 1990: 2, 614–615; Cohen 1990).

Diagnosis by humours

- 4 When the disfunction is caused by wind, there is a colour and a type of pain that typically goes with wind problems. If caused by bile the colour and the pain are typical of bile afflictions. If caused by phlegm the discoloration and suffering are characteristic for phlegm disease. And if caused by blood (*śoṇita*) there will be a coloration due to blood and a sensation of a bile affliction. Moreover, when caused by blood (*rakta*) there is the smell of decomposition (*kuṇapa*).¹⁶¹ Phlegm with wind causes the appearance of clumps, bile with blood (*śoṇita*) causes the appearance of foul-smelling pus (*pūtipūya*). Bile with wind (*māruta*) cause a weakening of semen. Humoral colligation (*sannipāta*) causes the smell of urine and feces.¹⁶²

Cases of foul-smelling sperm, sperm with clumps, and when it reeks of pus are hard to treat.

However, when sperm contains urine or faeces there is no treatment.¹⁶³

- 5 Moreover, seasonal blood (*ārtava*) too can become afflicted (*upasṛṣṭa*), seedless (*abīja*) because of the three humours, and blood as the fourth, taken individually, in pairs or triples or all together.¹⁶⁴

This can also be known by means of the humour, colour and pain.

In these cases, that which displays decomposition (*kuṇapa*), clumps and the putrid smell of pus is incurable (*asādhya*). And otherwise it is curable (*sādhya*).

Among these, the kind which shows decomposition, or coagula, or putrid pus is incurable. The other types, however, can be treated.

- 6 And there is a verse on this.

An expert should overcome the first three of these sperm pathologies

161 Note that the text mentions both शोणित and रक्त. This raises the question of whether the author considered these to be different, or whether it is an artefact of textual transmission.

162 The expression “humoral colligation,” translating सन्निपात, refers to the simultaneous disorder of three humors at the same time, a condition that is difficult to treat (see Wujastyk 2016: 38 *et passim*).

163 Note that the above characterizations presuppose the direct inspection of an ejaculate. The process of collection is not described in the sources in this chapter.

164 This translates the text of the oldest surviving witness, N, and the vulgate. But MS H, that normally follows K very closely, has a negative particle, न, reversing the sense of the sentence.

with special treatments such as unction and sweating, as well as by means of a urethral instillation (uttarabasti).¹⁶⁵

find out
about ut-
tarabasti

Therapies by humour

- 6a In that context, when the sperm is of the nature of wind, there is a tisane (*āsthāpana*) consisting of **Bengal quince** and **Indian kudzu**. One may use an oily preparation in the instillations, with well-cooked **mahua**, **grey orchid**, **deodar**, and **chir pine**. One can also make the patient drink clarified butter cooked with **pomegranate**, **citron fruit**, **rock salt**, a caustic (*kṣāra*), and **two kinds of salt**.
- 6b When the sperm is of the nature of bile, there is a tisane (*āsthāpana*) consisting of the cooked milky sap of **Malay beechwood** and **liquorice** with milk. One should also apply a paste (*kalka*) of a **white dammer tree** and **axlewood** in the vagina. One should apply an oily enema (*anuvāsana*) of sesame oil cooked with **liquorice**; and it should only be applied as an upper enema.¹⁶⁶
One should make him swallow ghee cooked with **wild sugar cane**, **common smilax**, **heart-leaved moonseed**, **white teak**, **false daisy**, and the **five roots**.
- 6c When the sperm is of the nature of phlegm, there is a tisane (*āsthāpana*) consisting of a decoction (*kaṣāya*) of **golden shower tree**. And one should also apply an oily enema (*anuvāsana*) of sesame oil cooked with **long pepper**, **embelia** and honey; and it should only be applied as an upper enema. He should be given to drink a ghee cooked with **hairy bergenia**, **white teak**, **emblic**, **long pepper**, **bearded premna**, and **prickly chaff-flower**.
- 3.2.6d And there are verses about this.
- 3.2.7 *When there is blood in the sperm, the physician should give the person ghee cooked with flowers of the fire-flame bush, catechu, pomegranate, and arjun.*

¹⁶⁵ Ḍalhaṇa on 3.2.6 (Su 1938: 345) noted that “unction and sweating” indicates the “five treatments”: वमन, विरेचन, अनिरूह, अनुवासन and उत्तरबस्ति. He noted that the explicit mention of urethral enema in the verse was for the purpose of highlighting its priority. However, a natural reading of the verse does not suggest that these distinctions were in the author’s mind.

¹⁶⁶ By specifying “upper enema” the author is clarifying that this is not a rectal enema.

- 3.2.8 When it smells like a corpse, he should drink ghee cooked with the *sal* group of trees. †When clumps appear, it is cooked with stones, or also in ash from a *flame-of-the-forest*.¹⁶⁷
- 9 And also, when it resembles pus, it is treated with items such as *phalsa* and *banyan*. When the sperm is deficient it should be treated as was stated before and also as will be described.¹⁶⁸
- 10 When it looks like feces, he should be made to drink ghee together with *leadwort*, *cuscus* grass and *devil's dung*.
- 10a In these six cases, the wise person should carry out oleation and succeeding therapies.
- 10aa From

Therapies for menstrual blood

- 12cd For purifying the menstrual blood one should follow the procedure, the last of which is a urethral instillation (*uttarabasti*).¹⁶⁹
- 13 One should use a paste (*kalka*) as well as cloths and a salutary lavages (*ācamana*).¹⁷⁰
- 14 In case of a bad smell and the appearance of pus, or the appearance of marrow in the blood.
- 15 He should drink a decoction (*kvātha*) of *white sandalwood* or a decoction of red *sandalwood*.¹⁷¹

167 The Nepalese text and translation of this sentence are uncertain. The vulgate text reads, 3.2.8 (Su 1938: 345): ग्रन्थिभूते शटीसिद्धं पालाशे वा ऽपि भस्मनि “If clumps appear, it is cooked with *śaṭī* or in ash from a *palāśa*.” The vulgate edition notes in a footnote that some vulgate manuscripts add an extra line, स्नेहादिश्च क्रमः षट्प्रेतासु विज्ञानता. The Nepalese manuscripts read this line two verses further down.

168 Dalhaṇa on 3.2.9 (Su 1938: 345) noted that “what was stated before” refers to the स्व-योनिवर्धन section, i.e., *Suśrutasamhitā* 1.15.10 (Su 1938: 69), and that “what will be described” refers to *Suśrutasamhitā* 4.26 (Su 1938: 496), the chapter on weakness and strength (क्षीणबलीय).

169 The “procedure ending with a urethral instillation” probably refers to verse 6 above (see page 65).

170 The word आचमन, normally “sipping water from the palm” is here translated “lavage” following the context and Dalhaṇa on 3.2.13 (Su 1938: 345), who described it as “water for washing the vagina” (योनिप्रक्षालनोदक). This treatment may be intended for the condition mentioned in 12cd, but in the vulgate text there is a preceding half verse stating that the treatment is for the “four disorders of menstrual blood.”

171 The name चन्दन may refer to several types of sandalwood; presumably one is meant

- 14ab When clumps (*granthi*) appear, he should drink velvet-leaf, three heating spices, and *Indrajao*.¹⁷²
- 14a He should drink a decoction (*niḥkvātha*) that is the extracted juice (*surasa*) of a caustic (*kṣāra*), dried ginger, and devil's dung.
- ...
- 24 Thus a man has unblemished semen and a woman has pure menstrual blood.

During menstruation

- 25 During the season (*ṛtu*), starting from the first day onwards, the chaste woman (*brahmacāriṇī*) foregoes bathing, anointments, ornaments and grooming (*vilekhana*).¹⁷³ She should abstain from sleeping during the day, collyriums, weeping tears (*aśrupāta*), massages, cutting her nails, taking showers, laughing, telling stories, hearing too much noise and from exertion.¹⁷⁴
- For what reason? By sleeping during the day, the fetus becomes deaf.¹⁷⁵ From collyrium he becomes blind. From weeping, his vision is impaired. From bathing and anointing, he becomes badly behaved. From massage with oil he gets a pallid skin disease (*kuṣṭha*).¹⁷⁶ From cutting the nails he gets ugly nails (*kunakha*). From smearing an unguent he becomes bald. From habitually exercising in the open air he goes mad. For this reason one should avoid these.
- For three days of ritual food, the husband should protect ($\sqrt{\text{rakṣ}}$) the woman. She lies on a layer of *halfa grass*, and eats a different kind of

here that is different from white sandalwood, i.e., perhaps *Pterocarpus santalinus* Linn. f. The vulgate has an extra half-śloka here.

172 On ग्रन्थि, see note 160.

173 The word ऋतु "season" in āyurvedic texts can, according to context, refer either to the period of menstruation or else to the period of fecundity following menstruation (Das 2003: 15 ff., note 27, *et passim*). Ḍalhaṇa on 3.2.25 (Su 1938: 347) noted that the woman's abstention should last three days from the first appearance of her menses.

174 On the similar prohibitions relating to a menstruating woman as described in Dharmaśāstra literature, as well as the similar defects accruing from disobedience (see Leslie 1989: 284–287).

175 Here, the vulgate reads स्वप्नशीलः "he tends to sleep."

176 On translating कुष्ठ in Āyurvedic texts, see Emmerick 1984: 96 ff.

food from the palm of her hand, or from a plate or from a leaf.¹⁷⁷

On the forth day, one should show to the husband the woman who has had a purifying bath, is wearing unstitched clothes, is ornamented and who has chanted a benediction and recited a blessing.¹⁷⁸

What is the reason for that?

26 And there is a verse on this.

A woman has a bath after her period. The type of man she sees after that determines the type of son to whom she will give birth. She may then show her son to her husband.

27 *Next, the priest (upādhyāya) should perform the appropriate ritual for producing a son. At the end of the ritual, the expert (vicakṣaṇa) should anticipate the following procedure.*

28 Next, after the man has eaten a rice porridge with ghee and milk in the afternoon, having been celibate for a month, at night he should sexually approach the woman who has had a diet rich in oil and mung beans. He then soothes her in a friendly way and he may go to her optionally on the fourth, sixth, eighth, tenth or twelfth day.

31–32 Henceforth, he should approach after a month
[At this point there is a misplaced folio in MS N]

32 And when conception has occurred in this way during one of these nights, she should press three or four drops of juice from one or other of the following: [convolvulus](#), [banyan](#), [Indian bat tree](#), [country mallow](#), [carray cheddie](#). Then administer them in the right nostril if she desires a son and in the left if she wants a girl, and she should not sneeze them out.

¹⁷⁷ This sentence is hard to construe because हविष्यं “ritual food” cannot agree with - भोजिनीं.

¹⁷⁸ See Wujastyk, Birch, Klebanov, et al. 2023: 58 and fn. 167.

Cikitsāsthāna

Kalpasthāna

Uttaratantra

Editions and Abbreviations

Ah 1939	Kuṇṭe, Anṇā Moreśvara, Navare, Kṛṣṇaśāstrī, and Parādkar, Hariśāstrī (1939) (eds.), <i>श्रीमद्वाग्भटविरचितम् अष्टाङ्गहृदयम्, श्रीमदरुणदत्तविरचितया सर्वाङ्गसुन्दराख्यया व्याख्यया, हेमाद्रिप्रणीतया आयुर्वेदरसायनाह्वया टीकया च समुल्लसितम्</i> = <i>The Astāṅgahṛidaya</i> (6th edn., Mumbayyām: Nirṇayasāgara Press), ark:/13960/t3tt6967d .
AHS 1940	Müss, C. N. Nārāyaṇan (1940) (ed.), <i>श्रीमद्वाहटाचार्यप्रणीतम् अष्टाङ्गहृदयम् श्रीदासपण्डितविरचितया हृदयबोधिकाख्यया व्याख्यया समलङ्कृतम्</i> (Śrīcitṛāyurvedaśāstramālā, 4; Trivandrum: Rājakīyamudrāśālā), ark:/13960/s23qzpqc61j .
Anup	<i>Anup Sanskrit Library</i> .
Apte	Apte, Vaman Shivaram (1992), <i>The Practical Sanskrit-English Dictionary</i> (Kyoto: Rinsen Book Company), ISBN: 4-653-00038-7; Reprinted from Gode and Karve 1957–59.
Arthaśāstra	Kangle, R. P. (1960), <i>The Kauṭīliya Arthaśāstra</i> (University of Bombay Studies Sanskrit, Prakrit and Pali, 1; Bombay: University of Bombay), accessed 23/09/2021.
AS	<i>Asiatic Society</i> .
As 1980	Āṭhavale, Ananta Dāmodara (1980) (ed.), <i>अष्टाङ्गसङ्ग्रहः श्रीमद्वाग्भटविरचितः इन्दुव्याख्यासहितः</i> [= <i>Vāgbhaṭa's Aṣṭāṅgasaṅgraha with Indu's Commentary</i>] (Pune: M. A. Āṭhavale, Śrīmad Ātreya Prakāśanam), ark:/13960/s25bwqsd0n7 .
Aṣṭādhyāyī	Sharma, Rama Nath (2002–03), <i>The Aṣṭādhyāyī of Pāṇini</i> , 6 vols. (Second revised and enlarged edition, New Delhi: Munshiram Manoharlal Publishers Pvt. Ltd.).

- BhaGī Paṇśīkar, Wāsudev Laxman Shāstrī (1936) (ed.), श्री-मद्भगवद्गीता श्रीमच्छाङ्करभाष्येण-आनन्दगिरिकृतव्याख्यायुजा संवलिता तथा नीलकण्ठी-भाष्योत्कर्षदीपिका-श्रीधरीयसुबोधिनी-अभिनवगुप्ताचार्यव्याख्या-श्रीमधुसूदनसरस्वतीस्वामिकृतगूढार्थदीपिकारव्यव्यासहिता तद्व्याख्यानेन श्रीधर्मदत्तशर्म(प्रसिद्धबच्चाशर्म)विरचित-गूढार्थतत्त्वलोकेन युता च (2nd edn., Bombay: Nirṇaya-Sāgar Press), [ark:/13960/t7jq76w6m](#).
- Bhela 1921 Mookerjee, Ashutosh, and Ananta Krishna Shastri, Ved-antabisharad (1921) (eds.), *The Bhela Samhita. Sanskrit Text* (Calcutta: University of Calcutta), [ark:/13960/t3sv3157j](#); Based on two copies made of the Thanjavur codex unicus (MS Thanjavur TMSSML 10773, Burnell 1880: 63–4, P. P. S. Sastri 1933: #11085).
- Bhela 2000 Krishnamurthy, K. H. (2000), *Bhela-saṃhitā. Text with English Translation, Commentary and Critical Notes* (Haridas Ayurveda Series, 8; Varanasi: Chaukhambha Visvabharati).
- BL *British Library*.
- Ca 1877 Bhaṭṭācāryya, Jīvānanda Vidyāsāgara (1877) (ed.), चरकसंहिता सूत्र-निदान-विमान-शारीरन्द्रिय-चिकित्सित-कल्प-सिद्धिस्थानात्मका । भगवता आत्रेयेण पुनर्वसुना उपदिष्टा अग्निवेश-नामधेयेन तत् शिषेण विरचिता चरकाभिधेयेन ऋषिणा प्रतिसंस्कृता (Calcutta: Sarasvatī Yantra), [ark:/13960/t0sq9gf44](#).
- Ca 1904 Śarmā, Satīśacandra (1904) (ed.), छत्रकमंशिता (1st edn., Kalikātā: Bhaiṣajya Steam Machine Press), [ark:/13960/t51g4nm8m](#).
- Ca 1911 Vaidyopādhyāya, Rāmaprasāda (1911) (ed.), चरकसंहिता । श्रीमन्महर्षिप्रवरचरकप्रणीता । पण्डितरामप्रसादवैद्योपाध्यायविरचितप्रसादनी-भाषाटीकासंहिता । (mumbayī: Kṣemarāja-Śrīkṛṣṇadāśaśreṣṭhin), [ark:/13960/t2r59q189](#).
- Ca 1923 Śarmā, Satīśacandra (1923) (ed.), छत्रकमंशिता (3rd edn., Kalikātā: Bhaiṣajya Steam Machine Press), [ark:/13960/t17m5hp8c](#).

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Numbers after the final colon refer to pages in this book.

- aconite leaf (?) (*viṣapatrikā*) Unknown. Cf. perhaps, *vatsanābha* (wolfsbane). Cf. **GVDB**: 373 : 125
- ‘alas, alas’ (*hālāhala*) unknown. See Cf. *Soḍhalanighantu* p.43 (sub bola) = *stomaka* = *vatsanābha* :
- Alexandrian laurel (*punnāga*)
Calophyllum inophyllum, L. See **AVS**: 1, 338, **NK**: 1, #425 :
- amaranth (*tanḍulīyaka*) *Amaranthus hypochondriacus*, L. See King 321, **NK**: 1, #144, **Potter**_{rev}: 15. Cf. **AVS**: 1, 121 : 118
- arjun (*arjuna*) *Terminalia arjuna*, Bedd. See **HK**: 738 : 36, 65
- ash gourd (*kūṣmāṇḍa*) → *puṣpaphala*.
Beninkasa hispida, (Thunb.) Cogn. See **AVS**: 2, 1127; cf. **AVS**: 1, 261 :
- Asoka tree (*aśoka*) *Saraca indica* Linn., **GVDB**: 26 : 90, 92, 174
- atis root (*śṛṅgīviṣa*) *Aconitum heterophyllum*, Wall. ex Royle. See **AVS**: 1, 42, **NK**: 1, #39 :
- axlewood (*dhava*) *Anogeissus latifolia* (Roxb. ex DC.) Wall. ex Guill & Perr. See **AVS**: 1, 163 f, **Chopra**: 20 : 36, 65, 140
- bamboo leaves (*veṇupatrikā*) *Bambusa bambos*, Druce. See **NK**: 1, #307 : 118
- banyan (*nyagrodha*) *Ficus bengalensis*, L. See **HK**: 748 :
- banyan (*vaṭa*) *Ficus benghalensis* Linn., **GVDB**: 356 : 66, 68
- barley (*yava*) *Hordeum vulgare*, L. See **HK**: 752 : 99
- bearded premna (*vasuka*) *Premna barbata* Wall. (← *vasuhaṭṭa*), according to *Cakrapāṇidatta*. See the discussion by T. B. Singh and Chuneekar (**GVDB**: 362–363), where other candidate species such as *Osmanthus*, *Calotropis*, and *Trianthema* are discussed. T. B. Singh and Chuneekar (**GVDB**: 363) note that when *vasuka* is mentioned with *vasira*, two varieties of salt are often meant (see *vasukavasirā*). See also **NK**: #1299 who identifies it with *Indigofera enneaphylla*, Linn. (*Birdsville Indigo*), apparently without controversy : 65
- beautyberry (*priyaṅgu*) → *śyāmā*.
Callicarpa macrophylla, Vahl. See **AVS**: 1, 334, **NK**: 1, #420. Some say also *Setaria italica* Beauv. **GVDB**: 263–264. See also **GVDB**: 413 : 36, 136, 141, 174
- beautyberry (*śyāmā*) *Callicarpa macrophylla*, Vahl. See **AVS**: 1, 334, **NK**: 1, #420 : 94, 116, 118
- beggarweed (*aṁśumatī*) *Desmodium gangeticum* (L.) DC (**Dymock**: 1, 428, **GJM**1: 602, **NK**: 1, #1192; **ADPS**: 382, 414 and **AVS**: 2, 319, 4.366 are confusing) : 136
- beggarweed (*vidārigandhā*) → *śālāparṇī*.
Desmodium gangeticum (L.) DC. See

- Dymock: 1, 428, GJM1: 602, cf. NK: 1, #1192; ADPS: 382, 414 and AVS: 2, 319, 4.366 are confusing: 45, 99, 295
- beggarweed (*śālaparnī*) → *sthirā*.
Desmodium gangeticum (L.) DC. See Dymock: 1, 428, GJM1: 602, NK: 1, #1192; ADPS: 382, 414 and AVS: 2, 319, 4.366 are confusing:
- Bengal quince (*bilva*) Aegle marmelos (L.) Corr. See AVS: 1, 62, Chevallier 159, NK: 1, #62, (MW: 732a): 65, 90, 92, 96, 291
- 'big poison' (*mahāviṣa*) unknown. See ?:
- 'big thorn apple' (*mahākarambha*) Datura metel, L.?. See thorn apple (*karambha*):
- bitumen (*adrija*) → *śilājī*. A tar-like, black, resinous rock exudate. See Mahākośa: 1, 21: 151
- black cardamom (*Xhareṇu*) Amomum subulatum, Roxb.?. See PVS Caraka 2.734, AVS: 1, 128, NK: 1, #154, pace GVDB: 467–468:
- black creeper (*pālindī*) Ichnocarpus frutescens, (L.) R.Br. or Cryptolepis buehneri, Roemer & Schultes. See AVS: 3, 141, 145, 203, NK: 1, #1283, 1210, ADPS: 434. Ḍalhaṇa on SS 5.1.82 identified *pālindī* with *trivṛt* (*turpeth*) and T. B. Singh and Chuneekar (GVDB: 246) supported this as a usual identification: 118, 121, 135, 136
- black pepper (*marica*) Piper nigrum, L. See ADPS: 294, NK: 1, #1929: 100, 174
- black pepper (*vallīja*) → *marica*. Piper nigrum, L.?. See NK: 1, #1929; Rā.6.115, Dha.4.85, Dha.2.88:
- blackboard tree (*saptachada*) Alstonia scholaris R. Br. GVDB: 420: 117
- blackbuck (*hariṇa*) Antelope cervicapra, L. See BIA: 270 IW: 95, 165, et passim: 121
- 'blade' (*kartariya*) unknown. See ?:
- blue water-lily (*utpala*) Nymphaea stellata, Willd. See GJM1: 528, IGP 790; Dutt: 110, NK: 1, #1726: 27, 116, 135, 136, 174, 175
- bottle gourd (*ālābūka*) Lagenaria siceria (Molina) Standl. See IGP 645, NK: 1, #1419:
- bull's head (*gokṣura*) Tribulus terrestris L. GVDB: 144–145, 193. A component of lesser five roots: 288
- bull's head (*trikaṇṭaka*) → bull's head (*gokṣura*) GVDB: 193. A component of lesser five roots: 295
- bulrush (*kaṣeru*) "Two species, Scirpus kysoor Roxb., and S. grossus Linn. f. are used" GVDB: 85. Also kaṣeruka and kaseru: 94, 95, 98
- calamine lotion (*amṛtāsaṅga*) → amṛtāsaṅga. Zinc carbonate. See NK: 2, #56:
- camphor (*karpūra*) → śītaśiva. Cinnamomum camphora, (L.) Sieb. See IGP 253:
- cannabis (*vijayā*) Cannabis sativa, L. See AVS: 1, 356, NK: 1, #442:
- caper (*karīra*) Capparis decidua (Forsk.) Edgew. See AVS: 1, 368, (MW: 255b):
- cardamom (*elā*) Elettaria cardamomum, Maton. See AVS: 2, 360, NK: 1, #924, Potter_{rev}: 66: 90, 136, 141
- carmarī (*carmarī*) unknown. See ?:
- carray cheddie (*gāṅgerukī*) → *viśvadevā*:
- carray cheddie (*viśvadevā*) → *gāṅgerukī* Canthium parviflorum, Lam. See AVS: 1, 366 f. Or Sida rhombifolia Linn. (GVDB: 372, 444 ff. et passim): 68
- cassia cinnamon (*patra*) Cinnamomum tamala, (Buch.-Ham.) Nees. See AVS: 2, 84, NK: 1, #589: 90, 96, 118, 136
- castor oil tree (*gandharvahasta*) → *eraṇḍa*. GVDB: 135, K&B: 3, 2277: 41, 92
- castor-oil (*eraṇḍa*) Ricinus communis, L. See NK: 1, #2145, Chopra: 214: 46
- catechu (*khadira*) Senegalia catechu (L.f.) P. J. Hurter & Mabb = Acacia catechu Willd. GVDB: 129–130: 65
- certain minerals (*tārāvitāra*) Unknown. It is not even certain that these are minerals. The variant reading in the vulgate,

- tāraḥ sutāraḥ* was glossed by Ḍalhaṇa on 5.3.14 (Su 1938: 568) as follows *tāro rūpyam, sutāraḥ pāradah*, “tāra means silver; sutāra means mercury.” : 140
- Ceylon iron wood (*kṣīrikā*) *Mimusops hexandra*, Roxb. (GVDB: 126–127) :
- chaff (*kāṇḍana*) The word *kāṇḍana* is not found in dictionaries; *kaṇḍana* is threshing, separating the chaff from the grain in a mortar. Cf. Hemādri’s *Caturvargacintāmaṇi* (PWK: 2, 8) (Śiromaṇi 1873: 1, 138: 21, citing the *Vāyupurāṇa*) : 29, 298
- chaulmoogra (*tuvaraka*) *Hydnocarpus wightiana* Blume, but see the discussion by (GVDB: 188) for the difficulties in identifying *tuvaraka*. See also AVS: 3, 185–188 :
- chebulic myrobalan (*harītakī*) *Terminalia chebula* Retz. GVDB: 466 : 97, 117
- cherry (*elavālu*) *Prunus cerasus*, L.?. See BVDB 58, NK: 1, #2037, GVDB: 58 : 136
- chir pine (*sarala*) *Pinus roxburghii*, Sarg. GVDB: 423 : 65, 98
- chital deer (*pṛṣata*) *Axis axis*, Erxleben. See BIA: 292, IW: 93 : 121
- ‘choice tree’ (*varadāru*) unknown. See ? :
- chukar partridge (*cakora*) *Alectoris chukar*. See Woodcock 1980: 45 :
- cinnamon (*tvac*) *Cinnamomum cassia*, Blume. See NK: 1, #579 :
- citron (*mātuluṅga*) *Citrus medica*, Linn. GVDB: 276, 306. Also spelled *mātuliṅga*, *mātulaṅga*, *mātulāṅga* : 65, 96, 101, 102
- cluster fig (*udumbara*) *Ficus racemosa*, L. See ADPS: 487 :
- cobra’s saffron (*nāgapuṣpa*) → *nāgakeśara*. *Mesua ferrea*, L. See NK: 1, #1595, GVDB: 220 : 136
- common crane (*krauñca*) *Grus grus*. See Woodcock 1980: 47 :
- common mallow (*suvarcalā*) perhaps *Malva sylvestris*, L. A difficult plant to identify, see T. B. Singh and Chuneekar (GVDB: 280, 440–441) :
- common mallow (*sūryāvarta*) *Malva sylvestris*, L. Cakrapāṇidatta and Ḍalhaṇa identify it with *suvarcalā*, itself a difficult plant to identify. Perhaps *Helianthus*, see T. B. Singh and Chuneekar (GVDB: 280) :
- common smilax (*śvadamśtra*) *Smilax aspera* L., GVDB: 414 : 65
- convolvulus (*lakṣmaṇā*) Sivarajan and Balachandran (ADPS: 273–275) suggest *Ipomoea marginata* (Desr.) Verdc. or *I. obscura* (Linn.) AVS: 3, 237–238 suggests *Ipomoea sepiaria* Roxb. (looks like a little boy (*putraka*), and generates a boy (*putrajananī*), according to the *Bhāvaprakāśa*). Sivarajan and Balachandran (ADPS: 273–275) firmly reject *Mandragora officinalis* which is European; but possible consideration could be given to *Mandragora caulescens* C.B. Clarke, a variant that is known in South Asia. Cf. GVDB: 346–347. NK: #1546, #2323 suggests *Mandragora officinalum*, Linn., known as *putrada* : 68
- corky coral tree (*pāribhadra*) *Erythrina suberosa* Roxb. See GVDB 245 : 140
- costus (*kuṣṭha*) *Saussurea costus*, Clarke. See NK: 1, #2239 : 90, 96, 118, 136, 141
- cottony jujube (*kākolī*) *Ziziphus mauritanica*, Lam. See IGP: 1233, NK: 1, #2663; IGP 1233. Cf. NK: 1, #1170 : 89, 95, 96, 164
- country mallow (*atibalā*) *Abutilon indicum*, (L.) Sweet, but may be other kinds of mallow, e.g., *Sida rhombifolia*, L.. See NK: 1, #11, IGP: 1080, NK: 1, #2300, ADPS: 71, 77 : 45, 95, 98, 236
- country mallow (*sahadevā*) → *balā* (GVDB: 428). Contains ephedrine : 68, 98
- country sarsaparilla (*anantā*) *Hemidesmus indicus*, (L.) R. Br. See ADPS: 434,

- AVS: 3, 141–5, NK: 1, #1210. But see GVDB: 13 for complications that may suggest that it is to be equated with *sārivā*, which may sometimes be *Cryptolepis* or *Ichnocarpus frutescens* R. Rr. (GVDB: 429–431) : 45, 125, 135, 136, 140
- crape jasmine (*nata*) → crape jasmine GVDB: 215 : 290, 292
- crape jasmine (*tagara*) *Tabernaemontana divaricata* (L.) R.Br. ex Roem. & Schultes. See GJM1: 557, AVS: 5, 232. Synonym of crape jasmine. But some say *Valeriana jatamansi*, Jones. See GVDB: 173–174 for discussion (and charming comments on brain-liquid testing). Some say *tagara* is Indian rose-bay or Indian valerian, but there remain many historical questions about the ancient and regional identities of this plant See, e.g., AVS: 5, 334, 345. See also IGP: 1147 : 90, 96, 118, 136, 290, 292
- crimson trumpet-flower tree (*pāṭalā*) *Stereospermum chelonides*, (L. f.) A. DC. See GJM1: 573, AVS: 5, 192 ff, ADPS: 362 f, AVS: 3, 1848 f, IGP 1120, Dymock: 3, 20 ff : 140, 291
- cucumber (*trapusa*) *Cucumis sativus*, L. See AVS: 2, 231, NK: 1, #731 :
- cuscut grass (*uśīra*) *Andropogon murcatus*, Retz. Also “vetiver grass.” See NK: 1, #180 : 66, 118, 162
- datura (*dhattūra*) *Datura metel*, L. See AVS: 2, 305 (cf. *Abhidhānamañjarī*), NK: 1, #796 ff. Potter_{rev}: 292 f, ADPS: 132 : 42
- deodar (*bhadrādāru*) *Cedrus deodara*, (Roxb.ex D.Don) G. Don. See AVS 41, NK: 1, #516 : 36, 95, 99, 136
- deodar (*devadāru*) *Cedrus deodara* (Roxb.) Loud. GVDB: 206–207 : 65, 96, 236, 290
- deodar (*suradāru*) see deodar (*devadāru*) : 167
- devil’s dung (*hiṅgu*) *Ferula foetida* Regel., GVDB: 471–472 : 66, 67, 167
- dhaman tree (*dhanvaṅga*) → dhammaṇa? *Grewia tiliaefolia*, Vahl. See AVS: 3, 104, IK, AVS: 1, 386, IGP 529 (*tiliifolia*) :
- dried ginger (*nāgara*) → dried ginger (*śuṇṭhī*) GVDB: 221–222 : 67
- dried ginger (*śuṇṭhī*) *Zingiber officinale*, Roscoe. See ADPS: 50, NK: 1, #2658, AVS: 5, 435, IGP: 1232 : 94, 290
- dried meat (*vallūra*) MW: 929, *Mahākośa*: 1, 730. The term is used, rarely, in both the CS (1.5.10) and SS (1.13. 16, 6.42.75–76). It is a Dravidian loanword and occurs in the *Arthaśāstra* etc. (KEWA: 3, 167) : 28
- drum-giver (?) (*lambaradā*) Unknown; cf. GVDB: 348 : 125
- elixir salve (*rasāñjana*) → añjana. See Indian barberry : 36, 46
- embelia (*viḍaṅga*) *Embelia ribes*, Burm. f. See ADPS: 507, AVS: 2, 368, NK: 1, #929, Potter_{rev}: 113 : 36, 65, 90, 136, 167
- emblic (*āmalaka*) *Phyllanthus emblica*, L. See AVS: 4, 256 : 65, 97, 98, 174
- emetic nut (*karaghāṭa*) Probably a synonym for *karahāṭa* (emetic nut), q.v., GVDB: 74 : 290
- emetic nut (*karahāṭa*) *Randia dumetorum*, Lamk. See GVDB: 291–292 and NK: 1, #2091. T. B. Singh and Chuneekar (GVDB: 74, 77–78) noted that it may be a synonym for *karaghāṭa*, emetic nut, and pointed rather to *Gardenia turgida* Roxb. on the basis of local knowledge in U. P. : 290, 294
- emetic nut (*madana*) *Randia dumetorum*, Lamk. See NK: 1, #2091 : 116, 238
- false daisy (*bhṛṅga*) *Eclipta prostrata* (L.) L. See GVDB: 288 : 65
- false daisy (*subhaṅgurā*) (su)bhaṅgura = bhṛṅga? *Eclipta prostrata* (L.) L. See GVDB: 288 : 124
- fermented rice-water (*dhānyāmla*) → kāñjī, kāñjikā, sauṃvīra. GVDB: 458, NK: 2, appendix VI, #18 : 43, 44

- fern (*ajaruhā*) Nephrodium species
GVDB: 7, uncertain. Perhaps
Christella dentata (Forssk.) Brownsey
& Jermy, which is reported to have folk
applications against skin diseases in
India : 120
- fire-flame bush (*dhātakī*) Woodfordia
fruticosa (L.) Kurz. See AVS: 5, 412,
NK: 1, #2626 : 65, 117
- five roots (*pañcamūla*) Described at
Suśrutasamhitā 1.38.66–69
(Su 1938: 169). There are two
pañcamūlas, the *laghupañcamūla* (the
lesser five roots) and *br̥hatpañcamūla*
(greater five roots), with differing
properties. Combined they are called
daśamūla (ten roots). See also
Mahākośa: 1, 468 : 65
- five-leaved chaste tree (*śephālīkā*) Vitex
negundo, L. See NK: 1, #2603 (cf. use
of leaves), IGP: 1210a, MW: 1088b :
- flame-of-the-forest (*palāśa*) Butea
monosperma (Lam.) Taub. GVDB: 241.
pālāśa in some sources : 66, 92, 291
- flame-of-the-forest (*pālāśa*) See
flame-of-the-forest (*palāśa*). The variant
name with long initial vowel appears in
Nepalese manuscripts :
- flax (*ataśī*) Linum usitatissimum, L. See
NK#1495 : 95
- ‘foam-stone’ (*phenāśma*) unknown. See ? :
- fragrant lotus (*saugandhika*) A type of
kumuda or *utpala* (GVDB: 457) : 27
- galangal (*galanigala*) Alpinia galanga (L.)
Sw. Identified with grey orchid in
Kerala (ADPS: 398). The name is
borrowed from Chinese, perhaps via
Persian or Arabic (Peter: 2, 304), and
the name does not occur in early
āyurvedic literature (GVDB) : 292
- galls (*karkaṭa*) Rhus succedanea, L. See
NK: 1, #2136 :
- garden pea (*kalāya*) Pisum sativum, L. See
AVS: 4, 308, IGP 901; cf. NK: 1, #1940 :
- garjan oil tree (*aśvakarṇa*) Dipterocarpus
turbinatus Gaertn. f. See GVDB: 28,
Chopra: 100 : 140
- ‘gentle’ (*somā*) Ruta graveolens, L., or
Sarcostemma brevistigma, W & A, etc.
See NK: 1, #2179, 2228; Potter_{rev}: 262 :
- giant potato (*kṣīravidārī*) possibly →
kṣīraśukla. Ipomoea mauritiana, Jacq. See
ADPS: 510, AVS: 3, 222, AVS: 3, 1717 ff :
95, 293, 296, 297
- ginger (*mahaṣadha*) Zingiber officinale,
Roscoe. See ADPS: 50, NK: 1, #2658,
IGP: 1232 : 121
- ‘gladdener’ (*nandana*) unknown. See ? :
- gold (*hema*) gold : 136
- gold and sarsaparilla (*surendragopa*)
Unknown. Ḍalhaṇa on 5.3.15
(Su 1938: 568) glossed *surendra* as
“gold” and *gopā* as “Indian
sarsaparilla.” He also noted other
opinions that *surendra* was “Tellicherry
bark” : 140
- golden shower tree (*rājadruma*) *rājadruma*
= *āragvadha*. Cassia fistula L. See
GVDB 37 : 140
- golden shower tree (*rājavar̥kṣa*) → *rājadruma*
= *āragvadha*. Cassia fistula L. See
GVDB: 37 : 65
- golden shower tree (*āragvadha*) Cassia
fistula L. GVDB: 37–38. The plant has
many synonyms. : 97, 166
- gourd (*alābu*) Lagenaria siceraria Standl.
GVDB: 25. Some say Lagenaria
vulgaris, Seringe (NK: 1, #1419) but
this is not appropriate for
blood-letting : 23, 24, 116, 164
- greater five roots (*br̥hatpañcamūla*)
Described at *Suśrutasamhitā* 1.38.68–69
(Su 1938: 169). Consists of Bengal
quince, migraine tree, Indian trumpet
tree, crimson trumpet-flower tree, and
white teak : 291, 294, 299
- green gram (*māśa*) Vigna radiata (L.) R.
Wilcz. See ADPS: 296, IGP 1204 : 36,
95, 237
- grey orchid (*rāsnā*) Vanda tessellata

- (Roxb.) Hook. ex G.Don, usually. But *Pluchea lanceolata*, Oliver & Hiern, is a more common identification in Punjab and Gujarat (GVDB: 337–338); *Alpinia galanga* (L.) Sw. is more common in Kerala (ADPS: 398; Peter: 2, 303–318), though this is usually identified with *galangal*. As all authorities note, the identification of this plant is debated. Sivarajan and Balachandran (ADPS: 398–401) note that sources describe it as having leaves like cardamom and sweet-smelling roots and that “there is great confusion with regard to the identity of the drug.” : 65, 94, 96, 167, 291
- ‘gutboiler’ (*antrapācaka*) unknown. See ? :
- hairy bergenia (*pāṣāṇabheda*) *Bergenia ligulata* (Wall.) Engl. GVDB: 246–247 : 65
- halfa grass (*darbha*) *Demostachya bipinnata* Stapf. GVDB: 201. Synonym of *kuśa* : 67, 95
- halfa grass (*kuśa*) *Desmostachya bipinnata*, (L.) Stapf. GVDB: 111, AVS: 2, 326 : 95, 161
- hare foot uraria (*pr̥thakparṇī*) → hare foot uraria (*pr̥śniparṇī*) and ?? (*mūrvā*) GVDB: 257. A component of lesser five roots : 97, 295
- hare foot uraria (*pr̥śniparṇī*) → *sahā*? *Uria lagopoides*, DC. and *U. picta* Desv. See GVDB: 257–258, GJM1: 577, Dymock: 1, 426, AVS: 1, 750 ff, NK: 1, #2542; ADPS: 382, AVS: 2, 319 and AVS: 4, 366 are confusing. Also called *pr̥thakparṇī*. A component of lesser five roots : 94, 95, 292
- heart-leaf sida (*balā*) *Sida cordifolia*, Linn. See ADPS: 71, NK: 1, #2297 : 45, 95, 98, 100, 136, 236
- heart-leaved moonseed (*amṛtā*) → *guḍūcī*. *Tinospora cordifolia*, (Willd.) Hook.f. & Thoms.? See ADPS: 38, NK: 1, #2472, 624, Dastur #229 : 118, 134
- heart-leaved moonseed (*guḍūcī*) *Tinospora cordifolia*, (Thunb.) Miers. ADPS: 38, NK: 1, #2472 & #624, Dastur #229, GVDB: 141–142. Also identified as *Cocculus cordifolius* DC. by Nadkarni (NK) and others (see also the *Tropicos botanical database*) : 65, 96
- heart-leaved moonseed (*somavallī*) *Tinospora cordifolia* (Thunb.) Miers. GVDB: 456. Likely, but uncertain : 118
- heart-leaved moonseed creeper (*amṛtavallī*) See *amṛtā* : 236
- heliotrope (*hastīśuṇḍa*) → *ibhagandhā*? *Heliotropium indicum*, L. See AVS: 3, 136, NK: 1, #1203 :
- henna (*madayantikā*) *Lawsonia inermis*, L. See AVS: 3, 303, NK: 1, #1448, Potter_{rev}: 151 : 119
- hill myna (*sārikā*) *Acridotheres tristis* *tristis*, L., etc. See Ali #1006, Dave (1985: 28 ff.), Woodcock (1980: 119) :
- Himalayan mayapple (*vakra*) *Podophyllum emodi*, Wall. (NK: #1971). But perhaps a synonym of *crape jasmine* and *crape jasmine*, q.v. (GVDB: 354) : 141, 167
- Himalayan monkshood (*ativiṣā*) → *viṣā* *Aconitum heterophyllum* Wall. GVDB: 12, NK: 1, #39. Also “atis roots” : 88, 119, 121, 141
- Himalayan monkshood (*viṣā*) → *ativiṣā* GVDB: 12, 373 : 297
- hogweed (*punarnavā*) *Boerhaavia diffusa*, L. See ADPS: 387, AVS: 1, 281, NK: 1, #363 : 97, 119, 135
- Holostemma creeper (*jīvantī*) → *sūryavallī*? *Holostemma ada-kodien*, Schultes. See ADPS: 195, AVS: 3, 167, 169, NK: 1, #1242 : 98, 296
- honey (*kṣaudra*) Eight varieties of honey are described in the SS (NK: 2, Appendix 192). *Kṣaudra* is the product of a small bee of tawny colour, called *kṣudra* : 103, 121
- horned pondweed (*śaivāla*) also *śaivāla*, *śevāra*. *Zannichellia palustris* L. The

- uncertainties of this identification are discussed by T. B. Singh and Chuneekar (GVDB: 409). Sometimes identified with **scutch grass** (*dūrvā*) (GVDB: 409). Identified as *Ceratophyllum demersum* Linn. ("hornwort") by AVS: 2, 56–57x: 96, 293, 297
- hornwort (*jalanīlikā*) *Ceratophyllum demersum*, L. See AVS: 2, 56, IGP 232: hornwort (*jalaśūka*) → *jalanīlikā*. *Ceratophyllum demersum*, L. See AVS: 2, 56, IGP: 232. T. B. Singh and Chuneekar (GVDB: 166) suggest **horned pondweed**. Ḍalhaṇa noted on 1.16.19 (Su 1938: 79) that some people interpret it as a poisonous, hairy, air-breathing, underwater creature: 45
- horse gram (*kaulattha*) See **horse gram** (*kulattha*): 162
- horse gram (*kulattha*) *Macrotyloma uniflorum* (Lam.) Verdcourt, syn. *Dolichos biflorus*, L., *D. uniflorus*, Lam., GVDB: 109, Kew: sub *Macrotyloma uniflorum*: 99, 100, 166, 293
- horseradish tree (*śigru*) *Moringa oleifera* Lam. See IGP 759, GJM1: 603, Dymock: 1, 396: 96, 97
- hyacinth bean (*śimbī*) *Dolichos lablab*, L. See NK: 1, #870:
- hyacinth beans (*niṣpāva*) *Lablab purpureus* (L.) Sweet (1826) **gvdp**: 87
- Indian antelope (*eṇa*) *Antelope cervicapra*, L. See BIA: 70:
- Indian barberry (*añjana*) → *rasāñjana*, *dāruharidrā*. *Berberis aristata*, DC. Dymock: 1, 65, NK: 1, #335, GJM1: 562, IGP: 141: 46, 120, 290
- Indian barberry (*dāruharidrā*) *Berberis aristata*, DC. See Dymock: 1, 65, NK: 1, #685, GJM1: 562, IGP 141: 135, 136, 293
- Indian barberry (*dārvi*) → **Indian barberry** (*dāruharidrā*) GVDB: 203: 175
- Indian barberry (*kālīyaka*) → *dāruharidrā*, *añjana*. *Berberis aristata*, DC. See Dymock: 1, 65, NK: 1, #685, GJM1: 562, IGP: 141: 118
- Indian bat tree (*śuṅgā*) → *parkaṭivṛkṣa* according to *Śabdāsindhu*: 1058; idem also suggests *vaṭavṛkṣa*, i.e., *Ficus benghalensis* Linn. and *āmṛātaka*, *Spondias pinnata* (L.f.) Kurz. (native to S.E Asia but naturalized in S. Asia). Contrasted with *vaṭa* at *Suśrutasaṃhitā* 3.2.32. Cf. MW: 1081.: 68
- Indian beech (*nakṭamāla*) *Pongamia pinnata*, (L.) Pierre. See AVS: 4, 339, NK: 1, #2003: 36, 92
- Indian ipecac (*payasyā*) Uncertain. Possibly *Tylophora indica* (Burm.f.) Merr. Perhaps a synonym of **panacea twiner**, **giant potato**, **purple roscoe**, and **plants like asthma plant and Gulf sandmat** (GVDB: 237–238). Also "curds" when not a plant: 45, 96, 296
- Indian jujube (*sauvīra*) *Zizphus jujuba* Mill., GVDB: 458, MBG: sub jujuba:
- Indian jujube (*sauvīraka*) *Zizphus jujuba* Mill., GVDB: 458, MBG: sub jujuba: 95, 162
- Indian kudzu (*vidārī*) → *payasyā*. *Pueraria tuberosa* (Willd.) DC. See ADPS: 510, AVS: 1, 792 f, AVS: 4, 391; not Dymock: 1, 424 f. See GJM2: 444, 451, AVS: 1, 187, but AVS: 3, 1719 = *Ipomoea mauritiana*, Jacq: 45, 65
- Indian laburnum (*śampāka*) *Cassia fistula*, L. See ADPS: 48, AVS: 2, 11 ff, AVS: 2, 854, IGP 215:
- Indian laurel (*plakṣa*) *Ficus microcarpa*, L. f. See ADPS: 377:
- Indian madder (*mañjiṣṭhā*) *Rubia cordifolia*, L. See IGP, Chopra: 215, GVDB: 289: 41, 136, 167
- Indian mottled eel (*varmimatsya*) Almost certainly the mottled eel. MW: 962c noted that the *varmi* fish "is commonly called *vāmi*." The "vam fish," or "বান মাই (*bān māich*)" in Bengal, is a marine and freshwater eel, *Anguilla bengalensis*.

- It is the most common eel in Indian inland waters and a prized food fish (Froese and Pauly 2022). However, some NIA languages identify the “vam” fish with the Indian Pike Conger, *Congresox talabonides* (Bleeker) (Talwar and Kacker 1984: 235, 236): 25
- Indian mustard (*sarṣapa*) *Brassica juncea*, Czern. & Coss. See AVS: 1, 301, NK: 1, #378: 28
- Indian pennywort (*maṇḍūkapaṇī*) *Centella asiatica* (L.) Urban. See GVDB: 290, ADPS: 289–291:
- Indian sarsaparilla (*sārivā*) → *anantā*. *Hemidesmus indicus*, (L.) R. Br. ADPS: 434, AVS: 3, 141–5, NK: 1, #1210; and black creeper, *pāṇḍī*. *Ichnocarpus frutescens*, (L.) R.Br. or *Cryptolepis buehneri*, Roemer & Schultes AVS: 3, 141, 3.145, 3.203, NK: 1, #1283, 1210, ADPS: 434: 135, 136, 291
- Indian snakeroot (*sarpagandhā*) *Rauvolfia serpentina*, (L.) Benth. ex Kurz. See NK: 1, #2099, ADPS: 439, GVDB: 425; cf. SS 5.5.76–78:
- Indian spinach (*pūtīkā*) *Basella alba*, L. See NK: 1, #318 (*rubra*), ADPS: 489, AVS: 1, 253, IGP 129b:
- Indian trumpet tree (*śyonāka*) *Oroxylum indicum* (L.) Benth. ex Kurz. GVDB: 172–173. A component of greater five roots: 294
- Indian trumpet tree (*tiṇṭuka*) → Indian trumpet tree (*śyonāka*). *Oroxylum indicum* (L.) Benth. ex Kurz. GVDB: 172–173. A component of greater five roots: 291
- indigo (*nīlinī*) *Indigofera tinctoria*, L. See NK: 1, #1309:
- Indrajao (*indrayava*) see *vr̥kṣaka* (Indrajao) *Holarrhena pubescens* Wall. ex G.Don 1837 GVDB: 376, 45 and 84: 88
- Indrajao (*vr̥kṣaka*) → *indrayava*, *indrabiṇḍa*, *kalīṅga*, and *kuṭaja*. *Holarrhena pubescens* Wall. ex G.Don 1837
- GVDB: 376, 45 and 84: 67, 236, 294
- jackfruit (*panasa*) *Artocarpus heterophyllus*, Lam. See NK: 1, #249, IGP 99:
- jambul (*jambū*) *Syzygium cumini*, (L.) Skeels. See ADPS: 188, NK: 1, #967, Potter_{rev}: 168, Wujastyk 2003a: 117, 174
- jasmine (*mālatī*) *Jasminum grandiflorum*, L. See NK: 1, #1364: 118
- jequirity (*guñjā*) *Abrus precatorius*, L. See AVS: 1, 10, NK: 1, #6, Potter_{rev}: 168: 124, 125
- jequirity (*kālakūṭa*) *Abrus precatorius*, L.? Cf. RRS 21.14. See AVS: 1, 10, NK: 1, #6, Potter_{rev}: 168:
- ‘juice-cooker’ (*sārapāka*) unknown. See ? : (?) (*karatā*) Not in GVDB. Cf. perhaps *karahāṭa* (emetic nut): 125
- khesari pea (*tripuṭa*) *tripuṭa* (kalāya). *Lathyrus sativus*, L. See IGP 651, NK: 1, #1439:
- koel (*kokila*) *Eudynamis scolopacea*. See Woodcock 1980: 66:
- kumudvatī (*kumudvatī*) unknown. See ? :
- kutki (*ariṣṭā*) *Picrorhiza kurroa* Royle ex Benth. → *kaṭukā* (kutki) q.v. (GVDB: 22–23):
- kutki (*kaṭukā*) *Picrorhiza kurroa* Royle ex Benth. (GVDB: 64–65): 88, 103, 294
- lac (*jatu*) *Kerria lacca* (Kerr.). See <http://www.icar.org.in/ilri/default.htm>:
- lac (*lākṣā*) *Kerria lacca* (Kerr.). See GJM1: 445, NK: 2, #32. Watt (Watt_{Comm}: 1053–1066) is characteristically informative, and is definite about the antiquity of lac in India: 141
- lāmajja grass (*lāmajj*) *Andropogon iwarancusa*, Roxb. See NK: 1, #176:
- lāmajja grass (*uśīrabhedā*) → *lāmajja*. *Andropogon iwarancusa*, Roxb. See NK: 1, #176:
- leadwort (*agnīśikhā*) *Plumbago zeylanica* (or *rosea*?), L. See NK: 1, #1966, 1967: 295

- leadwort (*citraka*) *Plumbago zeylanica* (or *indica*?), L. See RĀ. 6.124, ADPS: 119, NK: 1, #1966, 1967: 36, 66, 88, 92, 102, 167
- leadwort (*pālaka*) → *citraka*. *Plumbago zeylanica* (*indica*? *rosea*?), L. See Rā. 6.124, ADPS: 1, 119, NK: 1, #1966, 1967:
- leadwort (*vidyutśikhā*) Synonym of *agniśikhā* (leadwort), q.v.: 125
- lesser five roots (*laghupañcamūla*)
Described at *Suśrutasaṃhitā* 1.38.66–67 (Su 1938: 169). Consists of bull's head, poison berry, yellow-fruit nightshade, hare foot uraria, and beggarweed: 288, 291, 292, 299, 302
- liquorice (?) (*klītaka*) *Glycyrrhiza glabra*, L.? GVDB: 123–124 discuss the many difficulties in identifying this plant: 124
- liquorice (*madhuka*) see *yaṣṭīmadhuka*: 45, 65, 94–99, 101, 121, 134, 136, 167, 175
- liquorice (*yaṣṭīmadhuka*) *Glycyrrhiza glabra*, L. AVS: 3, 84, NK: 1, #1136, GVDB: 329 f.: 46
- 'little bamboo' (*veṇukā*) *Bambusa bambos*, Druce?. See NK: 1, #307:
- lodh tree (*lodhra*) *Symplocos racemosa*, Roxb. See GJM1: 597, ADPS: 279 f, NK: 1, #2420. T. B. Singh and Chuneekar (GVDB: 351–352) notes that there are two varieties, *S. racemosa*, qualified as *śāvara*, and *S. crataegoides* Buch.-Ham. for *paṭṭikā lodhra*: 36, 136, 175
- lodh tree (*rodhra*) *Symplocos racemosa*, Roxb. See ADPS: 279, NK: 1, #2420:
- lodh tree (*śāvara*) → *lodhra*. *Symplocos racemosa*, Roxb. See ADPS: 279, NK: 1, #2420:
- long pepper (*māgadha*) *Piper longum*, L. See NK: 1, #1928; but cf. AVS: 3, 245: 120
- long pepper (*pippalī*) *Piper longum*, L. See ADPS: 374, NK: 1, #1928: 65, 92, 97, 98, 101–103, 121, 136, 174, 236
- lotus (*nalina*) → sacred lotus (*kamala*) GVDB: 218: 174, 175
- lotus stalk (*mṛṇālā*) "Leaf stalk of sacred lotus" GVDB: 318: 96
- luffa (*garāgarī*) → gargaraka? *Luffa echinata*, Roxb. See NK: 1, #1517:
- luffa (*koṣātaka*) = *koṣītakī*, luffa:
- luffa (*koṣātakya*) *Luffa cylindrica*, (L.) M. J. Roem. or *L. acutangula*, (L.) Roxb. See ADPS: 252, NK: 1, #1514 etc:
- luffa (*koṣītakī*) = *koṣātakī*. *Luffa cylindrica*, (L.) M. J. Roem. or *L. acutangula*, (L.) Roxb. ADPS: 252–253, NK: 1, #1514 etc. GVDB: 121: 116, 134, 295
- luffa gourd (*koṣavatī*) = *koṣītakī*, luffa: 134
- mahua (*madhūka*) *Madhuca longifolia*, (Koenig) Macbride. See AVS: 3, 362 f: 65
- maidenhair fern (*haṃsāhwayā*) *Adiantum lunulatum* Burm f. GVDB: 463: 236
- Malay beechwood (*śrīparṇī*) → *kāśmarī*. *Gmelina arborea* Linn., GVDB: 412, 96–97: 65
- mango (*āmra*) *Mangifera indica* Linn. GVDB: 37: 117, 174
- mangosteen (*amla*) *Garcinia pedunculata* Roxb. ex Buch.-Ham. See GVDB: 20–21: 166
- marking-nut tree (*aruṣkara*) *Semecarpus anacardium* L. See *bhallātaka* (marking-nut tree): 125
- marking-nut tree (*bhallātaka*) *Semecarpus anacardium*, L. See NK: 1, #2269, AVS: 5, 98: 92, 120, 295
- medhshingi (*vijayā2*) *Dolichandrone falcata* (DC.) The *Sauśrutaniḥaṇṭu* gives a number of synonyms for *vijayā* (Suvedī and Tivārī 2000: 5.77, 10.143). But one of them, *viṣāṇī* (also *meṣaśṛṅgī*), is sometimes equated with *Dolichandrone falcata* (DC.) Seemann (ADPS: 518; GVDB: 373 f, a plant used as an abortifacient and fish poison (NK: #862): 125
- Midday flower (*bandhūka*) *Pentapetes phoenicea*, L. See NK: 1, #1836,

- GVDB: 268 :
migraine tree (*agnimantha*) *Premna corymbosa*, Rottl. See AVS 1927, ADPS: 21, NK: 1, #2025, AVS: 4, 348; GJM1: 523: = *P. integrifolia/serratifolia*, L: 134, 291
- milk-white (*kṣīraśuklā*) An unidentified plant. GVDB: 126: see purple *roscoeia* and giant potato: 45, 297
- mongoose (*nakula*) *nakula*. *Urva edwardsii* or the often sympatric *U. auropunctatus* (small Indian mongoose, usually an eater of smaller creatures than snakes) (BIA: ch. 5), On mongooses and snakes, see BIA: 98–99; IW: 112: 121
- monitor lizard (*godhā*) *Varanus bengalensis*, Schneider. See Reptiles: 58: 45, 121
- monkey jack (*lakuca*) *Artocarpus lakoocha*, Roxb. ex Buch.-Ham. See GJM1: 597, IGP 99, IPM 3.2338f., pace AVS: 1, 215: ‘muddy’ (*kardama*) unknown. See ?:
- mung beans (*mudga*) *Phaseolus radiatus* L. GVDB: 310–311: 95, 98, 180
- mung beans (*māṣaka*) *Phaseolus mungo* Linn. GVDB: 308: 118
- munj grass (*nārācaka*) *Saccharum bengalense*, Retz.?. See NK: 1, #2184:
- myrobalan (*abhayā*) *Terminalia chebula*, Retz. See ADPS: 172, NK: 1, #2451, Potter^{rev}: 214: 88, 134, 141
- myrobalans (*pathyā*) *Terminalia chebula* Retz. See NK: 1, #2451: 174
- natron (*suvarcikā*) Sodium carbonate. NK: 2, #45. Ḍalhaṇa identifies *suvarcikā* with svarjikṣāra 4.8.50 (Su 1938: 441): 102, 136
- neem tree (*nimba*) *Azadirachta indica* A. Juss. GVDB: 226: 42, 236
- nutgrass (*kuruvinda*) Unknown. Ḍalhaṇa on 5.3.15 (Su 1938: 568) glossed the term as *nutgrass*, but noted other opinions that it was a whetstone or a very special metallic gem. T. B. Singh and Chuneekar (GVDB: 108) added that it could be a variety of rice, *ṣaṣṭika dhānya*: 140
- nutgrass (*mustaka*) *Cyperus rotundus*, L. See ADPS: 316, AVS: 2, 296, NK: 1, #782:
- nutgrass (*mustā*) *Cyperus rotundus*, L. See ADPS: 316, AVS: 2, 296, NK: 1, #782: 296
- oleander spurge (*snuhī*) *Euphorbia neriifolia*, L., or *E. antiquorum*, L. See ADPS: 448, AVS: 2, 388, AVS: 3, 1, NK: 1, #988, IGP 457b:
- orchid tree (*kovidāra*) *Bauhinia purpurea* Linn. or *B. variegata* Linn. (probably the former), GVDB: 120, AVS: 1, 256–260: 162
- orpiment (*haritāla*) *Arsenii trisulphidum*. See NK v. 2, p. 20 ff:
- panacea twiner (*arkaparṇī*) See *arkapuṣpī*, panacea twiner:
- panacea twiner (*arkapuṣpī*) → *arkaparṇī*, *Tylophora indica* (Burm. f.) Merr. GVDB: 23–24. Maybe identical to Indian ipecac, giant potato and similar sweet, milky plants. See GVDB: 24, 127, 238, 441, 443 for discussion. For discussion in the context of *Holostemma creeper*, see ADPS: 195 and AVS: 3, 171. The etymology of the name suggests *Helianthus annuus* Linn., but this plant is native to the Americas: 135, 293, 296
- parakeet (*śuka*) *Psittacula krameri/eupatria/cyanocephala*. See Woodcock 1980: 64:
- peacock (*mayūra*) *Pavo cristatus*. See Woodcock 1980: 39:
- peas (*hareṇu*) *hareṇu* = *satīna*. *Pisum sativum*, L. T. B. Singh and Chuneekar (GVDB: 419–420, 467–468) notes that two plants are usually meant under this name, but there is no agreement on the identity of the second: 96, 135, 136, 141, 174

- peepul tree (*aśvattha*) *Ficus religiosa*, L.
See [ADPS](#): 63 : [143](#)
- ‘pendent’ (*lambā*) unknown. [GVDB](#): 348.
Known only from *Suśrutasaṃhitā* 5.2.5.
Identified by Monier-Williams et al.
([MW](#): 897) on no sound basis as “a
kind of bitter gourd or cucumber”:
- periploca of the woods (*meṣaśṛṅga*)
Gymnema sylvestre (Retz.) R. Br. See
[AVS](#): 3, 107, [NK](#): 1, #1173 : [120](#)
- phalsa (*parūṣaka*) *Grewia asiatica* Linn.,
[GVDB](#): 238 : [66](#)
- pheasant peacock (*jīvajīvaka*) *jīvajīvaka*. ?.
See ? :
- plants like asthma plant and Gulf sandmat
(*kṣīriṇī*) various milky plants, perhaps
including *Euphorbia hirta* Linn.
(asthma plant) and *E. microphylla*
Heyne (Gulf sandmat) ([GVDB](#): 127) :
[293](#)
- plumed cockscomb (*indīvara*) Uncertain;
possibly *Celosia argentea* Linn. But see
the useful discussion in [GVDB](#): 44–45.
Possibly another name for [thorn apple](#)
(*karambha*), q.v. : [299](#)
- pointed gourd (*paṭola*) *Trichosanthes*
dioica, Roxb. [GVDB](#): 232–233 : [96](#), [134](#)
- poison berry (*bṛhatī*) *Solanum violaceum*,
Ortega. See [ADPS](#): 100, [NK](#): 1, #2329,
[AVS](#): 5, 151 : [92](#), [97](#), [135](#), [136](#), [295](#)
- poison-altar (?) (*viṣavedikā*) Unknown.
Possibly, at a guess, *viṣamuṣṭika*
(strychnine tree)? [GVDB](#): 373 Or *viṣā*
(Himalayan monkshood) : [125](#)
- pomegranate (*dāḍima*) *Punica granatum*
Linn. [GVDB](#): 201–202 : [65](#), [101](#), [102](#)
- pondweed (*paripelavā*) Normally a neuter
noun. T. B. Singh and Chuneekar
([GVDB](#): 238, 264–265, 409) argued that
plava and *śaivāla* are the same thing, and
may be either *Zannichellia palustris*, L.,
or *Potamogeton pectinatus*, L. : [136](#)
- pondweed (*śevāla*) *Zannichellia palustris*
L. See [horned pondweed](#) : [27](#), [28](#)
- portia tree (*pārīṣa*) *Thespesia populnea*
(L.) Sol. ex. Corr. See [ADPS](#): 352 :
prickly chaff-flower (*apāmārga*)
Achyranthes aspera, L. See [GJM1](#): 524 f,
[AVS](#): 1, 39, [ADPS](#): 44 f, [AVS](#): 3, 2066 f,
[Dymock](#): 3, 135 : [41](#), [45](#), [95](#), [297](#)
- prickly chaff-flower (*vasīra*) also *vaśīra*.
Perhaps *Achyranthes aspera*, L.
[GVDB](#): 362 describes several possible
identities, including *sūryāvarta*, [prickly](#)
[chaff-flower](#) and *markaṭaṭṛṇa*. See also
vasukavasira ([GVDB](#): 363) : [65](#), [297](#)
- prickly chaff-flower (*vaśīra*) See [prickly](#)
[chaff-flower](#) :
- prickly-leaved elephant’s foot (*gojihvā*) →
gojī. *Elephantopus scaber*, L. See
[AVS](#): 2, 357 :
- purging nut (*dravantī*) → *mūṣikaparṇī*.
Jatropha curcas, L. See [AVS](#): 3, 261,
[NK](#): 1, #1374 :
- purging nut (*mūṣikā*) *Jatropha curcas*, L.
See [AVS](#): 3, 261, [NK](#): 1, #1374 : [120](#)
- purple calotropis (*arka*) *Calotropis*
gigantea, (L.) R. Br. See [ADPS](#): 52,
[AVS](#): 1, 341, [NK](#): 1, #427, [Potter_{rev}](#): 57,
[Chopra IDG](#): 305–308 : [36](#), [45](#), [92](#), [162](#)
- purple calotropis (*khadyotaka*) → *arka*?
Calotropis gigantea, (L.) R. Br. See
[ADPS](#): 52, [AVS](#): 1, 341, [NK](#): 1, #427,
[Potter_{rev}](#): 63 :
- purple roscoeia (*kṣīrakākālī*) [GVDB](#): 89
notes that many physicians use *Roscoeia*
procera Wall. in this context. But the
identification is uncertain. Possibly
connected to [milk-white](#) or [giant](#)
[potato](#) : [95](#), [293](#), [296](#)
- racket-tailed drongo (*bhṛṅgarāja*) *Dicrurus*
paradiseus. See [Woodcock 1980](#): 123 :
- radish (*mūlaka*) *Raphanus sativus*, L. See
[NK](#): 1, #2098 : [99](#), [100](#)
- rajmahal hemp (*moraṭa*) → *mūrvī*,
Marsdenia tenacissima (Roxb.) Wight
et Arn. Good discussion at
[GVDB](#): 314–316, 324 : [134](#)
- rajmahal hemp (*mūrvī*) → *moraṭa*,
Marsdenia tenacissima (Roxb.) Wight

- et Arn. Good discussion at
GVDB: 314–316, 324 :
 rattan (*vetra*) Calamus rotang, L. See
AVS: 1, 330, **NK**: 1, #413 :
 red chalk (*gairika*) gairika : 136
 red gourd (*bimbī*) Coccinia indica, W. & A.
 See PVS 1994.4.715; **NK**: 1, #534 : 116
 ribbed gourd (*karkoṭaka*) Luffa acutangula,
 (L.) Roxb.? (Mormodica
 cochinchinensis, Spreng.? Cf. Luffa
 tuberosa). See **AVS**: 3, 347 (**NK**: 1,
 #1640 1643; **NK**: 1, #1520) :
 rice grains (*taṇḍula*) Oriza sativa, Linn.
 Same as **unhusked rice** (*śālī*)
GVDB: 174; or just "grains" : 29
 rice-grain chaff (*śālitaṇḍulakāṇḍana*) See
 chaff : 28
 rock salt (*saindhava*) See **NK**: 2, M#48,
WattComm: 963–971 : 28, 65, 102
 rosha grass (*dhyāmaka*) Cymbopogon
 martinii (Roxb.) Wats. See **AVS**: 2, 285,
NK: 1, #177 : 136
 sacred lotus (*kamala*) Nelumbo nucifera
 Gaertn., **GVDB**: 73–74 : 295
 sacred lotus (*padma*) Nelumbo nucifera,
 Gaertn. See **NK**: 1, #1698 : 27, 96, 118
 sacred lotus (*prapaṇḍarika*) see **sacred**
lotus (*prapaṇḍarika*) : 167
 sacred lotus (*prapaṇḍarika*) Nelumbo
 nucifera, Gaertn. See Dutt 110, **NK**: 1,
 #1698 : 298
 sage-leaved alangium (*aṅkolla*) Alangium
 salvifolium (Linn. f.) Wang.
GVDB: 5–6 : 117
 sage-leaved alangium (*aṅkoṭa*) Alangium
 salvifolium, (L. f.) Wang. See
AVS: 1, 77; cf. **NK**: 1, #88 :
 sal (*śālasāra*) → ?? (*śāla*) :
 sal group of trees (*śālasārādi*) *śālasārādi* is a
 group (*gaṇa*) of twenty-three trees
 listed at 1.38.8–9 (**Su** 1938: 165),
Mahākośa: 1, 898 : 66
 sal tree (*śālā*) Shorea robusta, Gaertn.f. See
AVS: 5, 124 : 174
 sandalwood (*bhadraśrīya*) Santalum
 album Linn. See **white sandalwood**
 (*bhadraśrī*) : 96
 sandalwood (*candana*) Santalum album, L.
 See **ADPS**: 111, **NK**: 1, #2217 : 66, 96, 98,
 136, 162, 301
 sappan wood (*pataṅga*) Caesalpinia
 sappan, L. See **AVS**: 1, 323, **AVS**: 2,
 847 f :
 sappanwood (*pattāṅga*) Also *pattāṅga*.
 Caesalpinia sappan, L. **AVS**: 1, 323,
K&B: 2, 847 f, **GVDB**: 234 : 46
 scaly, red-streaked fish (*cilicima*) An
 unidentified fish that is absolutely not
 to be eaten with milk. Described in
 Bhela (1.12.7), Caraka (1.26.83) and
 Suśruta (1.20.8, 13). Circular, red
 streaks, round eyes and prominent
 scales, and "normally goes on land." :
 scarlet mallow (*bandhujīva*) Pentapetes
 phoenicea, L. **NK**: #1836, **GVDB**: 268 :
 119
 scented pavonia (*bālaka*) Pavonia odorata,
 Willd. See **ADPS**: 498, **NK**: 1, #1822 :
 136
 scented pavonia (*toya*) → *bālaka*? Pavonia
 odorata, Willd. **ADPS**: 498, **NK**: 1,
 #1822 :
 scramberry (*tālīśa*) T. B. Singh and
 Chuneekar (**GVDB**: 179, 458–459)
 discusses the several identifications and
 regional differences in identifying this
 plant. Taxus baccata Linn. is a common
 candidate, as is Flacourtia jangomas
 (Lour.) Raeusch. (scramberry) : 96, 175
 scutch grass (*dūrvā*) Cynodon dactylon
 (Linn.) Pers. (**GVDB**: 205) : 292
 selu plum (*śelu*) Cordia myxa, L. non
 Forssk. See **GJM**: 529 (2), **IGP**: 291b, cf.
AVS: 3, 1677 f; cf. **AVS**: 2, 180 (C.
 dichotoma, Forst.f.), **NK**: 1, #672 (C.
 latifolia, Roxb.) : 97, 134
 sesame (*tila*) Sesamum indicum L.
GVDB: 183 :
 sesame oil (*taila*) Sesamum indicum L.
GVDB: 183 : 45, 162

- sheep (*urabhra*) *Ovis orientalis*, Gmelin?
See BIA 249:
- silk-cotton tree (*śālmālī*) *Bombax malabarica*. See Issar: 152:
- siris (*śirīṣa*) *Albizia lebbeck*, Benth. See AVS: 1, 81, NK: 1, #91, GVDB: 399–400. Cf. white siris: 134, 162, 174, 301
- siris seeds (*śirīṣamāṣaka*) *Albizia lebbeck*, Benth. See AVS: 1, 81, NK: 1, #91: 117
- small-flowered crape myrtle (*sidhraka*) *Lagerstroemia parviflora* Roxb. See GVDB: 432: 140
- ‘snake mallow’ (*mahābalā*) → *sahadevā*. *Sida spinosa*, L. See NK: 1, #2301, ADPS: 74, Index Kewensis:
- ‘snake-killer’ (*sarpaghātī*) unknown. See?:
- snakeroot (*sugandhā*) → *sarpagandhā* *Rauvolfia serpentina* Benth. ex. Kurz. See *sarpagandhā*. But may be *Aristolochia indica* Linn. Has been identified with *nākulī*, or *gandhanākulī*. See (GVDB: 219, 436): 124
- snowball plant (*ajāśṛṅgī*) T. B. Singh and Chuneekar (GVDB: 8) says that this is a common climber of *Suśruta’s* *vallīpañcamūla* group (1.38.72 (Su 1938: 169)) and suggests that it may be *Saussurea gossypiphora*. If it is a synonym of *uttamāraṇī* it may be *Pergularia daemia* (Forssk.) Chiov. (trellis vine) (GVDB: 49):
- soda crystals (*suvarjikā*) Sodium carbonate. See NK: 2, #45:
- spiked ginger lily (*śaṭī*) *Hedychium spicatum* Sm. in A. Rees, GVDB: 386–387. Also sometimes *śaṭhī*:
- spikenard (*jaṭāmāṁsī*) *Nardostachys jatamansi* DC GVDB: 163, etc:
- spikenard (*māṁsī*) *Nardostachys grandiflora*, DC. See NK: 1, #1691: 136
- spikenard (*nalada*) → *māṁsī*. *Nardostachys grandiflora*, DC. See NK: 1, #1691: 115
- spiny bitter cucumber (*karkāruka*) *Momordica cochinchinensis* (Lour.) Spreng., (Thunb.) Cogn. See AVS: 2, 1135, IGP 754 (or Beninkasa hispida? AVS: 2, 1127; cf. AVS: 1, 261):
- strychnine tree (*viṣamuṣṭika*) *Strychnos nux vomica* Linn. GVDB: 373: 297
- sugar (*sitā*) *Dalhana* makes this equation at 1.37.25 (Su 1938: 162): 136
- sugar (*śarkara*) *Saccharum officinarum*, Linn. NK: #2182: 121
- sugar cane (*ikṣu*) *Saccharum officinarum*, Linn. NK: #2182: 121
- sunflower (*sūryavallī*) → *ādityavallī*, *sūryamukhī*, *Helianthus annuus* Linn. GVDB: 35, 443: 134
- swan (*haṁsa*) *haṁsa*. ?. See?:
- sweet flag (*vacā*) *Acorus calamus* Linn. See GVDB: 352–355: 95, 102
- sweet melon (*ervārūka*) *Cucumis melo*, L. See AVS: 2, 227; AVS: 2, 1140–3, IGP 325–6, NK: 1, #729 (*C. momordica*):
- sweet plants (*madhuravarga*) The sweet plants are enumerated at *Suśrutasaṁhitā* 1.42.11. See also GVDB: 127: 45
- sweet-scented oleander (*aśvamāra*) *Nerium oleander*, L. See ADPS: 223, NK: 1, #1709:
- sweet-scented oleander (*aśvamāraka*) *Nerium oleander*, L. See ADPS: 223, NK: 1, #1709: 124
- teak (*śāka*) *Tectona grandis*, L.f. See AVS: 5, 245, (MW: 1061):
- Tellicherry bark (*kuṭaja*) *Holarrhena pubescens* Wall. ex G. Don, with *Wrightia tinctoria* and *W. arborea* considered GVDB: 101–102, ADPS: 267–270: 92, 291
- ten roots (*daśamūla*) Described at *Suśrutasaṁhitā* 1.38.70–71 (Su 1938: 169) as a combination of the lesser five roots and the greater five roots: 291
- thorn apple (*karambha*) *Datura metel*, L. See GVDB: 76 for useful discussion. Also, AVS: 2, 305 (cf. *Abhidhānamāñjarī*), NK: 1, #796 ff.

- Potter^{rev}: 292 f, ADPS: 132. Possibly the same plant as **plumed cockscomb** (*indīvara*) (GVDB: 76, 44–45) : 125, 288, 297
- three heating spices (*tryūṣaṇa*) *śuṇṭhī* (Dried ginger) *Zingiber officinale*, Roscoe. ADPS: 50, NK: 1, #2658, AVS: 5, 435, IGP 1232, *pippalī* (long pepper) *Piper longum*, L. ADPS: 374, NK: 1, #1928, and *marica* (black pepper) *Piper nigrum*, L. ADPS: 294, NK: 1, #1929 : 67, 135
- three-leaf soapberry (*ariṣṭaka*) *Sapindus trifolius* L. (GVDB: 22) :
- three-leaved caper (*varuṇa*) *Crataeva magna* (Lour.) DC. See AVS: 2, 202; cf. NK: 1, #696 : 120
- top layer of fermented liquor (*surāmaṇḍa*) K&B: 2, 502, NK: 2, appendix VI, #49, McHugh 2021: 39 : 43, 44
- tree cotton (*kārpāsa*) *G. arboreum* L. ADPS: 231. Pace the identifications of T. B. Singh and Chuneekar (GVDB: 92, 247), since *G. barbadense* L. is native to South America and *G. herbaceum* L. which is native to Africa : 42, 300
- tree cotton (*picu*) See **tree cotton** (*kārpāsa*) : 44, 46
- turmeric (*gaurī*) *Curcuma longa*, L. See ADPS: 169, AVS: 2, 259, NK: 1, #750 : 96
- turmeric (*haridrā*) *Curcuma longa* Linn. GVDB: 465 : 97, 135, 141, 167
- turmeric (*rajanī*) *Curcuma longa*, L. ADPS: 169, AVS: 2, 259, NK: 1, #750 : 28, 136
- turpeth (*trivṛt*) → *trivṛtā*. *Operculina turpethum* (Linn.) Silva Manso = *Ipomoea turpethum* R. Br. GVDB: 197. : 90, 121, 167, 238, 288
- two kinds of salt (*vasukavasira*) See the discussion by T. B. Singh and Chuneekar (GVDB: 362–363), who note that when *vasuka* is mentioned together with *vasira*, two varieties of salt are often meant (see *vasukavasirā*) : 65
- unhusked rice (*śālī*) *Oriza sativa*, Linn. GVDB: 395–396 : 29, 298
- various kinds of honey (*madhuvarga*) *Suśrutasaṃhitā*'s eight categories of honey. See *Suśrutasaṃhitā* 1.45.132 and Dutt: 278–279 :
- velvet bean (*svayamguptā*) *Mucuna pruriens* DC., GVDB: 461 :
- velvet-leaf (*pāṭhā*) *Cissampelos pariera*, L. See ADPS: 366, NK: 1, #592, GJM1: 573, AVS: 1, 95; cf. AVS: 2, 277 : 36, 67, 88, 102, 134, 167
- velvet-mite (*indragopa*) *Kerria lacca* (Kerr.). Lienhard 1978 : 116
- verbena (*bhāṛṅgī*) → *phañjī*. *Clerodendrum serratum*, L. See AVS: 2, 121, ADPS: 87 :
- verbena (*phañjī*) *Clerodendrum serratum*, L. See AVS: 2, 121, ADPS: 87 : 119
- 'Virāṭa's plant' (*vairāṭaka*) unknown. See ? :
- watered buttermilk (*udaśvit*) MW: 183 : 116
- watermelon (*kāṇḍaka*) *Citrullus lanatus* (Thunb.) Matsum & Nak. See IGP 257, NK: 1, #596, AVS: 2, 1149 :
- weaver's beam tree (*muṣkaka*) *Schrebera swietenoides*, Roxb. See AVS: 5, 88, Lord, NK: 1, #2246 : 92, 140
- weaver's beam tree (*viśalyā*) *Schrebera swietenoides* Roxb. ← *kuberākṣī*. T. B. Singh and Chuneekar (GVDB: 371) notes that this name is a synonym for many other plants, including *lāṅgālī*, *indravāruṇī*, *guḍūcī* etc. *Ḍalhaṇa* identified it with *pāṭalā*, *kāṣṭhapāṭalā*, and *agnīśikhā* tree, all of which may be called *śvetamokṣaka* or *kuberākṣī* : 167
- 'web-milk' (*jālakṣīri*) unknown. See ? :
- wheat (*godhūma*) *Triticum vulgare*, L. See HK: 744 :
- white babool (*arimeda*) *Acacia leucophloea*, (Roxb.) Willd. See AVS: 1, 23 : 36
- white calotropis (*alarka*) *Calotropis procera*, (Ait.) R. Br. See NK: 1, #428, Chopra: 46b, Chopra IDG: 305–308 : 45

- white clitoria (*Xsitā*) Possibly → [white clitoria](#)? Clitoria ternatea, L. See [AVS](#): 2, 129, [NK](#): 1, #621:
- white clitoria (*giryāhvā*) → *śvetā*. Clitoria ternatea, L. See [AVS](#): 2, 129, [NK](#): 1, #621:
- white clitoria (*śvetā*) → *giryāhvā*. Clitoria ternatea, L. See [AVS](#): 2, 129, [NK](#): 1, #621: [118](#), [300](#)
- white cutch tree (*somavalka*) Acacia polyacantha, Willd. See [AVS](#): 1, 30, [IGP](#) 7, [GJM1](#): 602, [AVS](#): 2, 935; *pace* [NK](#): 1, #1038: [119](#), [140](#)
- white dammer tree (*sarja*) Vateria indica, L. See [NK](#): 1, #2571, [AVS](#): 5, 349 f, [AVS](#): 1, 292 f, [Chopra](#): 253a: [36](#), [65](#)
- white sandalwood (*bhadraśrī*) Santalum album Linn. see [sandalwood](#) (*candana*) [GVDB](#): 152, 282 and *Carakasamhitā* ci.4.102 ([Ca 1941](#): 434) where it is contrasted with *lohitacandana*: [66](#), [298](#)
- white siris (*kaṭabhī*) Albizia procera (Roxb.) Benth. or A. lebbeck (Linn.) Benth. [GVDB](#): 63–64, [AVS](#): 1, 81–84. Cf. [siris](#): [162](#), [299](#)
- white siris (*kiṇihī*) Albizia procera, (Roxb.) Benth. See [GVDB](#) 98, [NK](#): 1, #93: [135](#)
- white teak (*kāśmarī*) → *kāśmarī*: [175](#)
- white teak (*kāśmaryā*) → *kāśmarī*: [65](#)
- white teak (*kāśmarī*) → *kāśmaryā*, *kāśmarī*, *madhuparṇī*. Gmelina arborea, Roxb. See [GJM1](#): 543, [Trees](#): 51, [ADPS](#): 240: [96](#), [98](#), [291](#)
- white teak (*madhuparṇī*) → *kāśmarī*: [65](#)
- white water-lily (*kumuda*) Nymphaea alba, Linn. [GVDB](#): 105: [27](#)
- wild asparagus (*bahuputrā*) → *nandana*? Asparagus racemosus, Willd. See further [wild asparagus](#) (*śatāvarī*): [119](#)
- wild asparagus (*śatāvarī*) Asparagus racemosus, Willd. See [ADPS](#): 441, [AVS](#): 1, 218, [NK](#): 1, #264, [IGP](#): 103, [AVS](#): 4, 249 ff, [Dymock](#): 3, 482 ff: [94–96](#), [98](#), [180](#), [301](#)
- wild celery (*agnika*) → may be *bhallātaka*, *lāṅgalī*, *ajamodā*, *moraṭa*, or *agnimantha*, [GVDB](#): 4. Uncertain A plant often cited in *Suśrutasamhitā*, but rarely in *Carakasamhitā* ([GVDB](#): 4). [Ḍalhaṇa](#) glossed it at 5.2.45 ([Su 1938](#): 566) as *ajamodā* but noted that others consider it to be *moraṭa*. There is considerable complexity surrounding the identification of *moraṭa*/*mūrvā* itself and related synonyms ([GVDB](#): 314–316): [134](#), [301](#)
- wild celery (*ajamodā*) Apium graveolens, L. Sometimes identified with *agnika* ([wild celery](#)), q.v.: [134](#), [167](#)
- wild chinchona (*kādamba*) Anthocephalus cadamba, Miq. See [NK](#): 1, #204:
- wild mustard (*saurīyaka*) Cleome viscosa, L.? (cf. [Rā.4.144](#)). See [AVS](#): 2, 116, [NK](#): 1, #615:
- wild spider flower (*ajagandhā*) possibly Cleome gynandra L. (syn. Gynandropis gynandra L.); possibly also Basil (Ocimum basilicum Linn. or Crested Late Summer Mint (Elsholtzia ciliata Willd.) ([GVDB](#): 6). But E. ciliata is not native to South Asia.: [102](#)
- wild sugar cane (*kāṇḍekṣu*) Saccharum spontaneum L., [GVDB](#): 90: [65](#)
- Withania (*aśvagandhā*) Withania somnifera (L.) Dunal. See [AVS](#): 5, 409 f, [Dymock](#): 2, 566 f., [Chevallier](#) 150: [45](#), [91](#), [97](#)
- wolfsbane (*vatsanābha*) Aconitum napellus, L. See [AVS](#): 1, 47, [NK](#): 1, #42, [Potter_{rev}](#): 4 f. Or Aconitum chasmanthum Stapf ex Holmes, [GVDB](#): 357: [287](#)
- wood apple (*kapittha*) Limonia acidissima, L. See [AVS](#): 3, 327, [NK](#): 1, #1021: [97](#), [118](#), [120](#), [174](#)
- woodrose (*mūśikakarṇī*) Jatopha curcas, L. [AVS](#): 3, 261, [NK](#): 1, #1374. [GVDB](#): 317; [ADPS](#): 23–25 discuss this issue well: [118](#)
- woodworm (*ghuṇa*) See [note to Atharvaveda 4.16](#):

yellow-berried nightshade (*kṣudrā*)

Solanum virginianum, L. See

[ADPS](#): 100, [NK](#): 1, #2329, [AVS](#): 5, 164:

[135](#), [136](#)

yellow-fruit nightshade (*kaṇṭakārī*)

Solanum virginianum L. (also called
Solanum xanthocarpum, Schrad. &
Wendl.) [GVDB](#): 68–69. A component of
[lesser five roots](#): [295](#)

Glossary

- √*rakṣ* - protect: 67
abīja - seedless: 64
ācamana - lavages: 66
 afflicted - *upasrṣṭa*: 64
anuvāsana - oily enema: 65
ārtava - seasonal blood: 64
asādhya - incurable: 64
aśrupāta - weeping tears: 67
āsthāpana - tisane: 65

basti - instillation: 65
 blood - *rakta*: 64 - *śoṇita*: 63f
brahmacāriṇī - chaste woman: 67

 caustic - *kṣāra*: 65, 67
 chaste woman - *brahmacāriṇī*: 67
 clumps - *granthi*: 63, 67
 curable - *sādhya*: 64

 decoction - *kaṣāya*: 65 - *kvātha*: 66
 - *niḥkvātha*: 67
 decomposition - *kūṇapa*: 63f
doṣa - pathology: 64

 expert - *vicakṣaṇa*: 68
 extracted juice - *surasa*: 67

 foul-smelling pus - *pūtipūya*: 64

granthi - clumps: 63, 67
 grooming - *vilekhana*: 67

 humoral colligation - *sannipāta*: 64

 incurable - *asādhya*: 64
 instillation - *basti*: 65

kalka - paste: 65f
kaṣāya - decoction: 65
kriyā - treatment: 65
kṣāra - caustic: 65, 67
kṣīṇa - low volume: 63
kunakha - ugly nails: 67
kūṇapa - decomposition: 63f - smell of
 decomposition: 64
kuṣṭha - pallid skin disease: 67
kvātha - decoction: 66

 lavages - *ācamana*: 66
 low volume - *kṣīṇa*: 63

māruta - wind: 64

niḥkvātha - decoction: 67

 oily enema - *anuvāsana*: 65

 pallid skin disease - *kuṣṭha*: 67
 paste - *kalka*: 65f
 pathology - *doṣa*: 64
 priest - *upādhyāya*: 68
 protect - √*rakṣ*: 67
pūtipūya - foul-smelling pus: 64
 - stinking pus: 63

rakta - blood: 64
retas - semen: 63
ṛtu - season: 67

sādhya - curable: 64
sannipāta - humoral colligation: 64
 season - *ṛtu*: 67
 seasonal blood - *ārtava*: 64
 seedless - *abīja*: 64
 semen - *retas*: 63
 smell of decomposition - *kūṇapa*: 64
śoṇita - blood: 63f
 sperm - *śukra*: 63
 stinking pus - *pūtipūya*: 63
śukra - sperm: 63
surasa - extracted juice: 67

 tisane - *āsthāpana*: 65
 treatment - *kriyā*: 65

 ugly nails - *kunakha*: 67
upādhyāya - priest: 68
upasrṣṭa - afflicted: 64
 urethral instillation - *uttarabasti*: 65f
uttarabasti - urethral instillation: 65f

vicakṣaṇa - expert: 68
vilekhana - grooming: 67

 weeping tears - *aśrupāta*: 67
 wind - *māruta*: 64

Todo list

Can't be "sedation"	37
find out about <i>uttarabasti</i>	65
Perhaps <i>kalka</i> here could also mean the <i>Terminalia Bellerica</i> (विभीतक).	90
<i>Euphorbia Antiquorum</i> (Antique spurge)	92
The webpage https://hindi.shabd.in/vairagya-shatakam-bhag-acharya-arjun-tiwari/post/117629 says that this verse belongs to the <i>Nītiratna</i> . I could not find this text.	95
The provisional edition should be modified accordingly.	97
There, Ḍalhaṇa comments that deliberation on <i>avapīḍa</i> had been done earlier when it was mentioned. Find that description to know more details.	99
Search for the section where the treatment of <i>ākṣepaka</i> is described.	100
Make the first letter of sentence capital.	100
?	106
?	106
?	106
(?)	106
Cf. <i>Arthaśāstra</i> 1.21.8.	114
I'm still unhappy about this verse.	117
Mention this in the introduction as an example of the scribe knowing the vulgate.	117
fn about <i>sadyas+</i>	117
Bear's bile instead of deer's bile.	118
<i>punarṇṇavā</i> in the N & K MSS	119
<i>śrita</i> for <i>śṛta</i>	119
explain more	119
Medical difference from Sharma.	120

■ example where the vulgate clarifies that these should be used separately; appears to be a gloss inserted into the vulgate text. . . .	120
■ The two uses of prāpta are hard to translate. prāptāḥ → kṣipraṃ is an example of the vulgate banalizing the Sanskrit text to make sense of a difficult passage.	120
■ √ vyadh not √ vedh (also elsewhere and for the ears), causative optative.	120
■ -> ativiṣa	130
■ Look up the ca. reference.	130
■ Come back to the issue of "kalpa". Look up passages in the Kośa. . . .	137
■ write footnote: don't repeat ativiṣā; vulgate similar to H.	141
■ material corresponds to SS.1.45.205ab, where it describes how alcohol affects the body.	143
■ Or "There are 20 phaṇins and 6 maṇḍalins. The same number are known. There are 13 Rājīmats." Or even, "there are 20 Phaṇins and six of them are Maṇḍalins." Are phaṇins really the same as darvīkaras?	149
■ grammar	150
■ ri- ṛ-?	152
■ varṇa means "colour" elsewhere?	153
■ write note on pariṣekān pradehāṃś	164
■ where is cutting with a knife related to removing bile or phlegm. . . .	174
■ maṣī burned charcoal. Find refs.	174
■ find ref.	180
■ Check out these refs.	180
■ meaning of kalpa	180
■ or a dual?	185
■ Footnote here about who is speaking to whom.	191
■ a kind of asthma?	197
■ Not happy with the last part.	197
■ connecting with the previous pāda?	197
■ (atyartha? excessive?)	198
■ for...dvādaśādhikāḥ? not clear to me, is it dvādaśādhikāḥ?	198
■ (any better medical terms for them?)	198
■ (since the word lagha is not clear to me)	199
■ (Not too happy with it.)	199
■ (not sure about it)	199
■ (Not in vulgate)	199

■	(I am looking for a better translation)	199
■	(I'd need to rework on it).	200
■	(I'd need to rework on it and think about the sequencing of the number).	200
■	(āmadoṣa? Not too sure)	200
■	(2nd hemistich is incomplete)	200
■	(not too sure about the meaning of vyapada)	200
■	not so sure about sodāvarte	200
■	not so sure about it, MW mentions others like Cordia Myxa and Alangium hexapetalum	201
■	not sure about it	201
■	(sāmāhāya- any better word?)	201
■	Not so happy with this translation	202
■	(Not happy with it)	203
■	(the second hemistich is incomplete)	203
■	can śṛta mean here boiled milk? Not happy with the last part . . .	203
■	the rest of the text is unclear to me	203
■	(not so sure about it). [ghṛtābhyaṅgonavasthāsu should it be like ghṛtābhyaṅgo 'navasthāsu?, svedā lepaḥ ghṛtābhyaṅgonavas- thāsu ca yojayet] (Not so happy with the translation)	204
■	See also Ḍalhaṇa at 1.1.1 (Su 1938:1)	237
■	See chapter 40 of Sūtrasthāna.	238
■	vasā / medas / majjan	239
■	Does bhūtādi a compound or it means ahaṅkāra or ego?	239
■	triad? –DW	239

