

A Translation of the Nepalese Text of the
Suśrutasamhitā

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Part 1. Sūtrasthāna

Part 2. Nidānasthāna

Nidānasthāna 1: The Diagnosis of Diseases Caused by Wind

Literature

Meulenbeld offered an annotated overview of this chapter and a bibliography of earlier scholarship to 2002.¹³⁷

Subject matter

It is notable that this nosological part of the *Suśrutasamhitā* opens with a chapter on diseases of wind (*vāta*). In all other major Āyurvedic works, including the *Carakasamhitā*, the first chapter in the section on nosology deals with the symptoms of fever (*jvara*). This is almost a defining feature of works on nosology. But in the *Suśrutasamhitā*, fever is not addressed at all in the first five sections of the work, but only in the thirty-ninth chapter of the Uttaratāntra, which is exceptionally long at about three hundred verses.

The present chapter describes the diseases caused by vitiated wind and wind's mixing with other humours. Contemporary Ayurvedic physicians consider these diseases to include rheumatism.

We have not translated the terms *prāṇa* ...because the text defines them.

complete
this
thought

Translation

- 1 And now we shall explain the chapter about the aetiology of wind diseases.

¹³⁷ [HIML](#): IA, 234. (Ruben [1954](#)) studied the wind doctrines in the *Carakasamhitā*.

- 3 After holding the feet of Dhanvantari, the foremost of the upholders of righteousness who emerged out of nectar, Suśruta makes this enquiry.¹³⁸
- 4 O King! O best of orators! Explain the location and types of diseases of the wind, whether in its natural state or disordered.¹³⁹
- 5–9 On hearing his words, the venerable sage spoke. This lordly wind is declared to be self-born because it is independent, constant and omnipresent. It is worshipped by the whole world. Amongst all beings, it is the self of all. During creation, continued existence and destruction, it is the cause of beings.
It is unmanifest though its actions are manifest; it is cold, dry, light, and mobile. It moves horizontally, has two attributes and is full of dust (*rajas*).¹⁴⁰ It has inconceivable power. It is the leader of the humours¹⁴¹ and the ruler of the multitude of diseases.
It moves fast, it moves constantly, it is located in the stomach and in the rectum.¹⁴²
- 9cd Now, learn from me the characteristics of wind as it moves inside the body.¹⁴³
- 10 Wind connects the senses and the sense objects. Unvitiated, it maintains a state of equality between the humours (*doṣa*), the bodily tissues (*dhātu*) and heat (*agni*) and the rightness (*ānulomya*) of actions.¹⁴⁴

138 Explain the nectar myth.

139 MSS H and N both read भूपते instead of कोपनैः in the vulgate: instead of addressing the king, the vulgate is saying “by irritations of the wind....” The vulgate also has Suśruta asking about कर्म, whereas in the Nepalese version he asks only about the types of diseases. Note that Dhanvantari is here addressed as king, a title associated elsewhere with Divosdāsa.

140 According to Ḍalhaṇa on 2.1.8 (Su 1938: 257), the two qualities are sound and tangibility. The word रजस् could also refer to the quality of activity in the three-quality (*guṇa*) theory, which is how Ḍalhaṇa interpreted it. On the semantic field of रजस्, see Das 2003: 14 note 26 and ff.

141 Ḍalhaṇa on 2.1.8 (Su 1938: 257) interpreted नेता “leader” as प्रेरक “impeller.”

142 MS H read आशुचारी, which we have translated (“moves fast”), but MS N and the commentators of the vulgate read आशुकारी, “quick-acting.”

143 Ḍalhaṇa and Cakrapāṇidatta both interpreted मे as an ablative (2.1.8 (Su 1938: 258)).

144 According to Ḍalhaṇa on 1.6.3 (Su 1938: 23), सम्पत्तिः=सम्पन्नता. According to Ḍalhaṇa, Gayadāsa read इन्द्रियार्थोपसंप्राप्तिं but Ḍalhaṇa did not accept this on the grounds that it was too verbose: गयदासाचार्यस्तु इमं श्लोकं ‘इन्द्रियार्थोपसंप्राप्तिः इत्यादि कृत्वा पठति, स च विस्तरभयान्न लिखितः । But witnesses H and N suggest the reading इन्द्रियार्थोपसम्पत्तिः. The expression “qualities” is used advisedly. It is almost universal practice to refer to

add foot-
note here

add refs to
Divodāsa as
king.

- 11 Just as the fire is divided into five types by name, place and their actions, similarly, one type of air is divided into five types based on name, place, action and diseases.
- 12 Five types of wind:¹⁴⁵
1. prāṇa,
 2. udāna,
 3. samāna,
 4. vyāna,
 5. apāna.¹⁴⁶

The above five types of wind remain in their state of equality and support the body.¹⁴⁷

- 13–14ab The wind that flows through the mouth is called the vital wind (*prāṇa*), the sustainer of the body. It causes food to enter within and supports the breaths.¹⁴⁸ It mostly causes diseases like hiccups and wheezing (*śvāsa*).
- 14cd–15 The wind which flows upwards, which is the best among winds, is called *udāna*.¹⁴⁹ Special acts like speech and singing are all initiated by it. It particularly causes diseases above the collar bone (*jatru*).¹⁵⁰
- 16–17ab The *samāna* wind flows in the receptacles of raw and of digested matter.¹⁵¹ Assisting the digestive fire (*agni*), it cooks food and separates out

“balance” or “equilibrium” in such contexts, but this misrepresents the metaphor that the Sanskrit sources are using. As the commentators on *Aṣṭāṅgaḥṛdayasaṃhitā* 1.1.20 (*Ah* 1939: 14) make abundantly clear, the expression *doṣasāmya* means “equality of humours,” as in *quantitative* equality, not balance.

¹⁴⁵ See Zysk 1993; 2007.

¹⁴⁶ We use the Sanskrit terms which are generally recognizable to English readers.

¹⁴⁷ According to Ḍaḥaṇa on 2.1.12 (*Su* 1938: 259), स्थान=साम्य, यापयन्ति=धारयन्ति. All the manuscripts read प्राणोदानः समानश्च व्यानोपानस्तथैव च । against the vulgate’s प्राणोदानौ समानश्च व्यानश्चापान एव च ।.

¹⁴⁸ According to Ḍaḥaṇa on 2.1.13–14ab (*Su* 1938: 259), प्राण also resides in the throat and nose.

¹⁴⁹ According to Ḍaḥaṇa on 2.1.14cd–15 (*Su* 1938: 260), the places of *udāna* wind are not mentioned here, but it also flows in the navel, stomach and throat. In yoga literature, it is more common for *prāṇa* to be called the principle breath.

¹⁵⁰ Ḍaḥaṇa noted that “above the collar bone” would include eyes, nose, ears, face, and head. Meulenbeld cited discussions on the difficulties of interpreting the term जत्रु (Meulenbeld 1974b: 465).

¹⁵¹ The “receptacle of raw matter” (आमाशय) is described at 1.21.12 (*Su* 1938: 102) as one of the locations of phlegm, and the place where food arrives, just above the location

- the substances produced from it.¹⁵²
 It mainly causes abdominal swelling (*gulma*), diminished digestive fire (*agnisaṅga*) and diarrhoea.¹⁵³
- 17cd–18 The vyāna moves everywhere in the body, active in making chyle (*rasa*) flow. It also makes sweat and blood flow as well as causing movement **in every respect**.¹⁵⁴ Angered, it makes diseases that generally exist throughout the whole body.
- 19– The apāna resides in the place of digested food and, at the right moment, it draws down wind, urine and feces and also semen, fetus and menstrual blood.
- 20cd–21ab Irritated vyāna and apāna wind causes defect of semen and gonorrhea, while simultaneous contamination of all the five winds surely leads to death.
- 21cd–22ab I shall therefore describe all the diseases caused by the contamination of winds staying in the various places of the body.
- 22cd–24ab Contaminated wind in the stomach causes disease like vomiting, loss of consciousness, fainting, thirst, heart-seizure, pain in lateral sides of stomach. It also causes rumbling of the bowels, acute pain, inflated belly, pain while discharging urine and feces, suppression of urine and pain in the loins.
- 24cd Contaminated wind residing in the ear causes loss of function of the Newa senses.
- 25–29 Residing in the skin,¹⁵⁵ contaminated wind causes discolouration of skin, throbbing of parts of the body, dryness, numbness, itching, prickling pain, swelling. It being inherent in the flesh of body causes swelling with pain and being inherent with the fat of the body causes swelling

of bile, and where the food is moistened and broken down for easy digestion. The “receptacle of digested matter” (पक्वाशय) is described at 1.21.6 (Su 1938: 100) as being located below the navel and above the pelvis and rectum.

152 Gayadāsa had the same reading सहायवान् as the Nepalese version (Su 1938: 260, note 1 and the text of the *Nyācācandrikā*). This suggests that it is the samāna that cooks food, while the vulgate reading involves the equal participation of digestive fire.

153 Ḍalhaṇa on 1.11.8 (Su 1938: 46) described अग्निसङ्ग as “the fire is stuck, dissolved.”

154 The vulgate text reads पञ्चधा “in five way,” and Ḍalhaṇa listed five kinds of movement (Ḍalhaṇa on 2.1.18 (Su 1938: 260)).

155 Ḍalhaṇa and Gayadāsa both suggest त्वक्=रस. Gayadāsa explained that chyle stays in the skin and therefore, in the verse त्वक्स्थ should be read as रसस्थ as we read secondary meaning in the sentences like गङ्गायां घोषः.

with slight pain but do not become wound.¹⁵⁶

Residing in the artery it causes acute pain, contraction and filling up of the artery.¹⁵⁷ It stuns, vibrates and destroys¹⁵⁸ the muscle tissues by residing in the muscle. Residing in the joints it causes pain and swelling. Residing in the bone it causes fracture and dryness of bones which also cause to acute pain and, in the marrow, it dries up marrow which may never be cured. Residing in the semen it causes non-production and distorted production of semen.¹⁵⁹

- 30–31ab Contaminated wind moves from the hand, foot, head, then it may be omnipresent or pervade the entire body of men and causes stiffness, convulsion, numbness and acute pain.
- 31cd–32ab Wind (5 types) mixed with other doṣas (bile etc.) in the places mentioned above produces mixed types of pains.
- 34cd–35ab Prāṇa wind surrounded by bile causes vomiting and burning sensation, by phlegm it causes weakness, exhaustion, laziness and bad taste.
- 35cd–36ab Udāna wind surrounded by bile causes loss of consciousness, stupor, dizziness and fatigue, by phlegm it causes absence of perspiration, slowness of digestion, sensation of coldness.
- 36cd–37ab Samāna wind surrounded by bile causes perspiration, a burning sensation, heat and stupor, association with phlegm it causes erection in urine, feces and limbs.
- 37cd–38ab Apāna wind associated with bile causes a burning sensation, heat and the voiding of blood with urine, with phlegm it causes a feeling of heaviness in the lower part of the body and coldness.
- 38cd–39ab Vyāna wind surrounded by bile causes a burning sensation, tossing of the limbs and fatigue, by phlegm it causes stiffening limbs, uddanḍaka? and pain in the swelling.
- 40–41 Persons who are of delicate nature, follow faulty diet and lifestyle, ? also afflicted with intoxicating drinks, sexual enjoyment, exercise causes vitiation of wind and blood.??

156 The MS H does not read ब्रणांश्च रक्तगो ग्रन्थीन् सशूलान् मांससंश्रितः . against the vulgate. (Su 1938: 261).

157 According to Dalhaṇa सिराकुञ्चनं is also known as कुटिला सिरा (Su 1938: 262)

158 Dalhaṇa and Gayadāsa both suggest the meaning of हन्ति for being not capable of both stretching and contraction. सन्धिगतः संधीन् हन्ति प्रसारणाकुञ्चनयोरसामर्थ्यं करोति (Su 1938: 262) ...

159 Dalhaṇa and Gayadāsa both suggest that a distorted production विकृतां प्रवृत्तिम् is too fast, too slow, knotty and discolored.

- 42 Riding elephant, horse and camel, lifting great weights, consuming vegetables which are pungent, hot, sour, alkali and being frequently distressed situation causes contamination of wind.
- 43–44 Blood flowing in the body blocks the passage of contaminated wind which moves quickly in the body. Excessively irritated wind—being contaminated by wind and dominance of wind, it is called वातरक्त Gout¹⁶⁰.
- 45–46 Vātarakta causes – pricking pain, dryness, loos of sensation in the feet. Contaminated Bile mixed with blood causes sharp burning sensation, excessive heat and soft swelling with red color in the feet. Contaminated Phlegm mixed with the blood causes itching in the feet. It makes feet white, cold, dry, thick and hard. All defects ¹⁶¹ in the blood contaminated by humours (wind, bile, phlegm) manifest their symptoms in the feet.
- 48 This disease spreads all over the body like rat poison by staying in feet or sometimes hands.
- 49 Gout spreads in the knee and the skin bursts and starts bleeding makes it incurable. It is mitigatable if it is of a year's old.
- 50–51 When vitiated wind enters in the all arteries it causes quickly convulsions again and again and because of frequent contractions (*ākṣepa*) it is called convulsions (*ākṣepaka*).
- 52–56 Because in this situation a person often sees darkness and fall, it calls spasmodic contraction (*apatānaka*) ¹⁶² . If wind mixed with phlegm stays excessively in the arteries, it stiffens body like a staff and it is called दण्डापतानकः epilepsy with convulsions. Vitiating wind entered in the arteries and bends the body like a bow, it is called धनुःस्तम्भ Tetanus. When vitiated wind accumulated in the regions of finger, ankle, abdomen, heart, chest, and throat swiftly attack on the group of vein and ligaments, it gets a person's eyes stuck, chin stuns, side breaks and vomiting phlegm he moves inwards like a bow and this situation is known as emprosthotonos (*antarāyāma*). When vitiated wind attacks on outside ligaments, body of a person will stretch forward like a bow. In this

160 In the medical term वातरक्त is known as Gout. Cakrapāṇi called it आढ्यरोगः Caraka-saṃhitā sū.14.18 and ci.28.66

161 Gayadāsa suggests सर्वे दुष्टाः शोणितं चापि nominative plural instead of locative singular.

162 Gayadāsa accepted the Nepalese reading ताम्यते which vulgate does not read. Gayadāsa gives definition of अपतानक as येनापताम्यते means a situation in that a person sees the dark.

- situation, if the chest, hip or thigh break, wise men call it incurable.
- 58 Aggravated phlegm and bile mixed with wind or only vitiated wind causes fourth convulsive disease due to trauma.
- 59 Convulsions due to miscarriage, excessive bleeding, and injury are incurable ¹⁶³.
- 60–62 When excessively agitated and strong wind flows in the arteries which spread downward, upward, and sideways, it loses the joints and kills the other side of body. The best of physicians calls it paralysis (*pakṣāghāta*). ¹⁶⁴ Then half of his entire body becomes inefficient and unconscious. Afflicted by wind he suddenly falls or dies.
- 62.1 Bile integrates with wind causes burning sensation, affliction, and infatuation. When it integrates with phlegm causes coldness, morbid swelling, and heaviness. ¹⁶⁵.
- 63 A paralysis (*pakṣāghāta*) caused by wind ¹⁶⁶ is curable with most difficulty. It becomes curable when caused by bile and phlegm mix with the wind. It becomes incurable when caused by the loss of bodily constituents.
- 64–66 Verses from 64–66 are not found in the Nepalese manuscripts. These verses discuss the term spasmodic contradiction (*āpatantraka*) which is the same as अपतानक. Ḍalhaṇa commented on ni.1.64-66 (Su 1938:267) that because of having the similar condition in both situations, some scholars do not read the अपतन्त्रक. In the verse ni.1.59 Ḍalhaṇa commented that the आक्षेपक and अपतानक is same (Su 1938:266) and again he suggested that the अपतानक and अपतन्त्रक both are similar condition. Therefore, आक्षेपक, अपतानक and अपतन्त्रक should be the same. Gaya-dāsa further commented that the Caraka has not read आक्षेपक as अपतानक and therefore described the अपतन्त्रक separately (Su 1938:267).
- 67 This verse also not found in the Nepalese Manuscripts. The verse describes rigidity of neck (*manyāsthambha*). According to Ḍalhaṇa, rigid-

163 According to Ḍalhaṇa convulsion (*ākṣepaka*) is also known as अपतानक (Su 1938:266). He further mentions that even if fortunately, it is cured, it cripples the limb.

164 In the ca.6.28.55 पक्षाघात is described as monoplegia (*ekāṅgaroga*). In that case it damages one of the limbs. In the medical terms paralysis (*apakṣāghāta*) is known as hemiplegia.

165 This verse is not available in vulgate. It deals with the symptoms when bile and phlegm mix with the wind. It is already discussed in su.2.1.38.

166 Here the term शुद्धवात suggests the meaning of the wind that is devoid of bile and phlegm.

ity of neck is a prior symptom of spasmodic contradiction.

- 68–72 By speaking very loudly, eating hard foods, excessively laughing and yawning, lifting heavy loads and sleeping in an awkward position, vitiated wind lodges into face painfully and produces paralysis of the jaw-bones (*ardita*) disease. In that case, half of the face and neck become curved, head trembles, speech hindrances, deformity occurs in the eyes, eyebrows and cheeks.¹⁶⁷ Experts in diseases call this disease spasm of the jaw-bones (*ardita*).
- 73 Spasm of the jawbones cannot be cured when it stays in a person for three years, who is very weak, stays without blinking, trembles, and constantly speaks gibberish.
- 74 Arteries of Heel and toes stricken by vitiated wind prevents stretching of thighs. This disease is known as sciatica (*gr̥dhrasī*).
- 75 Arteries which run to the tips of fingers from behind the roots of the upper arm affected by vitiated wind terminates all activities of arms and back. This disease is called paralysis of arms and back (*viśvañci*).¹⁶⁸
- 76 Vitiated wind and blood in the joint of knee causes synovitis of knee joint (*kroṣṭukaśīrṣa*). In this extremely painful situation, the shape of swelling in knee joints seems like a head of Jackal.
- 77 Vitiated wind resides in the waist attacks on the arteries of thigh causes limpness (*khañja*) and when it attacks on both the thighs a person becomes lame (*paṅgu*).
- 78 A person who trembles at the beginning of walking or walks limping and whose foot joint has become loose is called lathyrism (*kalāyakhāñja*).
- 79 Vitiated wind residing in the ankle-joint causes pain when one steps on uneven ground. This disease occurs is called वातकण्टक.
- 80 Vitiated wind mixed with bile and blood cause burning sensation in feet. It should be declared as burning sensation in feet (*pādādāha*).
- 81 A person whose feet tingle and become insensible due to vitiation of phlegm and wind is called पादहर्ष.
- 82 Vitiated wind lying in the shoulder dries the shoulder joints and it is called अंसशोष. It also bends the arteries of shoulder, and this disease is

¹⁶⁷ Dalhaṇa suggests नेत्रादीनाम् इत्यादि शब्दात् भूगण्डादि उपसङ्ग्रहः

¹⁶⁸ Both the MSS N and H read विश्वञ्चि instead of the vulgate reading विश्वाची. There is no such word found in other Āyurveda texts.

- called अवबाहुक. ¹⁶⁹
- 83 Vitiated wind singly or mixed with phlegm cover the channel of ears causes deafness.
- 84 Vitiated wind saturated with phlegm covering the arteries which conduct the sound of speech makes a person inactive (*akriya*), dumb (*mūka*). He mumbles (*mimmira*) through the nose and stammers (*gadgad*).¹⁷⁰
- 85 Vitiated wind penetrating into the cheekbones, temporal bones, head and neck causes piercing pain in the ears. It is called ear-ache (*karnaśūla*).¹⁷¹
- 86–87 The pain that arises from the bladder or feces goes down as if it were breaking the rectum and..... ? is called तूनी, whereas the pain, rising upward from the rectum extending up to the region of the intestines, is called प्रतितूनी.
- 88–89 Retention of vitiated wind inside abdomen causes distension of the stomach and flatulence and intense pain and rumbling inside, is called tympanites (*ādhmāna*). Vitiated wind mixed with phlegm causes प्रत्याध्मान. It rises in the stomach and causes pain in the heart and sides.¹⁷²
- 90–91 A knotty stone-like tumour caused by wind appearing in the stomach having an elevated shape and stretched upward direction which obstructing the passage of faeces and urine should be known as वाताष्टीला. A tumour of similar shape rose obliquely in the abdomen obstructing the passage of wind, faeces and urine should be known as प्रत्यष्टीला.
- Names of diseases discussed in the chapter 2.1
 Gout (*vātarakta*) convulsion (*ākṣepaka*) paralysis of one side (*pakṣāghāta*) paralysis of the jaw-bones (*ardita*) sciatica (*grdhrasī*) paralysis of arms and back (*viśvañci*) synovitis of knee join (*kroṣṭukaśīrṣa*) lathyrism (*kalāyakhañja*) (*vātakañṭaka*) (*avabāhuka*) (*tūnī*) (*pratitūnī*) tympanites (*ādhmāna*) (*pratyādhmāna*) (*vātāṣṭhīlā*) (*pratyāṣṭhīlā*)

169 Ḍalhaṇa and Gayadāsa both have defined two diseases i.e., अंसशोष and अवबाहुक respectively.

170 Nepalese Manuscripts read मिर्मिर instead of the Vulgate's reading मिन्मिण. Dictionary of MW suggests the meaning of मिर्मिर = having fixed unwinking eyes which is not relevant to the disease of tongue.

171 In the medical terms, this disease is known as Otitis.

172 There's an addition in MS N. नाभेरधस्तात् संजातः संचारी यदि वाऽचलः

Part 3. Śārīrasthāna

Part 4. Cikitsāsthāna

Part 5. Kalpasthāna

Part 6. Uttarat Tantra

Editions and Abbreviations

- Ah 1939 Kumṭe, Aṇṇā Moreśvara, Navare, Kṛṣṇaśāstrī, and Parādkar, Hariśāstrī (1939) (eds.), *श्रीमद्वाग्भटविरचितम् अष्टाङ्गहृदयम्, श्रीमदरुणदत्तविरचितया सर्वाङ्गसुन्दराख्यया व्याख्यया, हेमाद्रिप्रणीतया आयुर्वेदरसायनाह्वया टीकया च समुल्लसितम्* = *The Astāṅgahrīdaya* (6th edn., Mumbayyām: Nirṇayasāgara Press), [ARK](#).
- Ca 1941 Ācārya, Yādavaśarma Trivikrama (1941) (ed.), *महर्षिणा पुनर्वसुनोपदिष्टा, तच्छिष्येणाग्निवेशेन प्रणीता, चरकदृढबलाभ्यां प्रतिसंस्कृता चरकसंहिता, श्रीचक्रपाणिदत्तविरचितया आयुर्वेददीपिकाव्याख्यया संवल्लिता* (3rd edn., Mumbayyām: Nirṇaya Sagara Press), [ARK](#).
- CDIAL Turner, R. L. (1966–85), *A Comparative Dictionary of the Indo-Aryan Languages* (London, New York, Toronto: Oxford University Press), ISBN: 0197135501, [URL](#); v. 2: *Indexes* by D. R. Turner (OUP, London, 1969), v. 3: *Phonetic Analysis* by R. L. and D. R. Turner (OUP, London, 1971), v. 4: *Addenda and Corrigenda* ed. J. C. Wright (SOAS, London, 1985). Online database at <http://dsal.uchicago.edu/dictionaries/soas/>.
- DED₂ Burrow, Thomas, and Emeneau, Murray B. (1984), *A Dravidian Etymological Dictionary* (2nd edn., Oxford: Clarendon Press), [ARK](#), [URL](#).
- EWA Mayrhofer, Manfred (1992–2001), *Etymologisches Wörterbuch des Altindoarischen* (Heidelberg: Carl Winter, Universitätsverlag), ISBN: 3-533-03826-2.
- HIML Meulenbeld, Gerrit Jan (1999–2002), *A History of Indian Medical Literature*, 5 vols. (Groningen: E. Forsten), ISBN: 9069801248.

- KEWA Mayrhofer, Manfred (1953–72), *Kurzgefaßtes etymologisches Wörterbuch des Altindoarischen; a Concise Etymological Sanskrit Dictionary* (Heidelberg: Carl Winter, Universitätsverlag).
- Mahākośa* Jośī, Veṇīmādhavaśāstrī, and Jośī, Nārāyaṇa Harī (1968), *आयुर्वेदीय महाकोशः अर्थात् आयुर्वेदीय शब्दकोशः संस्कृत-संस्कृत* (Mum̐baī: Mahārāṣṭra Rājya Sāhitya āṇi Saṃskṛti Maṇḍala), [ARK](#).
- MW Monier-Williams, Monier, Leumann, E., Cappeller, C., et al. (1899), *A Sanskrit–English Dictionary Etymologically and Philologically Arranged, New Edition* (Oxford: Clarendon Press); 1970 reprint.
- PWK Böhrtlingk, Otto (1879), *Sanskrit-wörterbuch in kürzerer fassung* (St. Petersburg: Kaiserlichen Akademie der Wissenschaften), [URL](#), accessed 18/05/2023.
- Śabdasindhu* Gupta, Umeśachandra, and Sena, Nagendra Nātha (1983), *वैद्यक-शब्दसिन्धुः = Vaidyaka-Śabdasindhuh* (3rd edn., Varanasi & Delhi: Chaukhambha Orientalia); 3rd ed. first published in 1914.
- Su 1938 Ācārya, Yādavaśarma Trivikrama, and Ācārya, Nārāyaṇa Rāma (1938) (eds.), *श्रीडल्हणाचार्यविरचितया निबन्धसंग्रहाख्य-व्याख्यया निदानस्थानस्य श्रीगयदासाचार्यविरचितया न्यायचन्द्रिकाख्यप-ञ्जिकाव्याख्यया च समुल्लसिता महर्षिणा सुश्रुतेन विरचिता सुश्रुतसंहिता* (3rd edn., Bombay: Nirṇayasāgara Press), [ARK](#); [HIML](#):IB, 313, edition cc ('the vulgate').

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

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- Lienhard, Siegfried (1978), "On the Meaning and Use of the Word *Indragopa*," *Indologica taurinensia*, 6: 177–88, URL, accessed 06/02/2021; The *indragopa* is a 'red velvet mite'.
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Materia Medica

Abbreviations

ADPS	Sivarajan, V. V., and Balachandran, Indira (1994), <i>Ayurvedic Drugs and Their Plant Sources</i> (New Delhi, Bombay, Calcutta: Oxford & IBH Publishing).
AVS	Warrier, P. K., Nambiar, V. P. K., and Ramankutty, C. (1994–96) (eds.), <i>Indian Medicinal Plants: A Compendium of 500 Species</i> . Vaidyaratnam P. S. Varier's Arya Vaidya Sala, Kottakal (Madras: Orient Longman).
BIA	Prater, S. H. (1993), <i>The Book of Indian Animals</i> (3rd edn., Bombay, Delhi, etc.: Oxford University Press), ARK ; 4th impression of 3rd corrected 1980 edition.
Chevillard	Chevallier, Andrew (2000), <i>The Encyclopedia of Herbal Medicine</i> , ed. Penny Warren et al. (1st edn., New York: Dorling Kindersley), ISBN: 9780751303148, ARK .
Chopra	Chopra, R. N., Nayar, S. L., and Chopra, I. C. (1956), <i>Glossary of Indian Medicinal Plants</i> (3rd reprint, 1992, New Delhi: Council of Scientific and Industrial Research); vol. 2: R. N. Chopra, I. C. Chopra, and Varma (Chopra_{sup}).
Chopra IDG	Chopra, R. N., Chopra, I. C., Handa, K. L., et al. (1958), <i>Chopra's Indigenous Drugs of India</i> (2nd edn., Calcutta: Dhur & Sons), ARK .
Chopra _{sup}	Chopra, R. N., Chopra, I. C., and Varma, B. S. (1969), <i>Supplement to Glossary of Indian Medicinal Plants</i> (Reprint 1986, New Delhi: National Institute of Science Communication), ISBN: 8185038872.

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- Dymock Dymock, William, Warden, C. J. H., and Hooper, David (1890), *Pharmacographia Indica: A History of the Principal Drugs of Vegetable Origin Met with in British India* (London, Bombay, Calcutta: Kegan Paul), [URL](#), accessed 16/03/2023.
- GJM₁ Meulenbeld, Gerrit Jan (1974a), "Sanskrit Names of Plants and their Botanical Equivalents," in id., *The Mādhavanidāna and Its Chief Commentary: Chapters 1–10. Introduction, Translation, and Notes* (Leiden: Brill), chap. Appendix Four, 520–611, [ARK](#).
- GJM₂ Meulenbeld, Gerrit Jan (1988), "G. J. Meulenbeld's Additions to his "Sanskrit Names of Plants and their Botanical Equivalents"," in Rahul Peter Das, *Das Wissen von der Lebensspanne der Bäume: Surapālas Vṛkṣāyurveda* (Stuttgart: Franz Steiner Verlag), chap. Appendix 1, 425–65, ISBN: 9783515046633; Supplement to [GJM₁](#).
- GVDB Singh, Thakur Balwant, and Chuneekar, K. C. (1972), *Glossary of Vegetable Drugs in Brhatrayi* (Varanasi: Chowkhamba Sanskrit Series Office), [ARK](#).
- HK Hilgenberg, Luise, and Kirfel, Willibald (1941), *Vāgbhaṭa's Aṣṭāṅgahrdayasaṃhitā, ein altindisches Lehrbuch der Heilkunde, aus dem Sanskrit ins Deutsche übertragen mit Einleitung, Anmerkungen und Indices* (Leiden: Brill), [ARK](#).
- IGP Griffiths, Mark (1994), *The New Royal Horticultural Society Index of Garden Plants* (London: Macmillan), [ARK](#).
- IHR Khare, C. P. (2004), *Indian Herbal Remedies: Rational Western Therapy, Ayurvedic and Other Traditional Usage, Botany* (Berlin and Heidelberg: Springer), ISBN: 978-3-642-62229-8. [DOI](#), [ARK](#).

Issar	Issar, T. P. (1994), <i>Blossoms of Bangalore</i> (Bangalore: T. P. Issar).
IW	Israel, Samuel, et al. (1988), <i>Indian Wildlife: Sri Lanka Nepal</i> (Insight Guides; Singapore etc.: APA Publications), ISBN: 9780245545238, ARK .
K & B	Kirtikar, K. R., Basu, B. D., and an I.C.S (1987), <i>Indian Medicinal Plants</i> , ed. E. Blatter, J. F. Caius, and K. S. Mhaskar, 8 vols. (2nd edn., Dehradun: International Book Distributors); First published in Allahabad, 1918.
MBG	Missouri Botanical Garden (2024), "Missouri Botanical Garden: Plant Finder," Missouri Botanical Garden, URL .
NEH	Bown, Deni (2001), <i>New Encyclopedia of Herbs and Their Uses</i> (2nd edn., London, New York etc.: Dorling Kindersly).
NK	Nadkarni, K. M. (1982), <i>Dr. K. M. Nadkarni's Indian Materia Medica, with Ayurvedic, Unani-tibbi, Siddha, Allopathic, Homeopathic, Naturopathic & Home Remedies, Appendices & Indexes ... in Two Volumes</i> , ed. A. K. Nadkarni, 2 vols. (3 ed., revised and enlarged by A. K. Nadkarni, Bombay: Popular Prakashan), ISBN: 8171541429, URL ; First published in 1954.
Peter	Peter, K. V. (2012) (ed.), <i>Handbook of Herbs and Spices</i> (Food Science, Technology and Nutrition, 228; 2nd edn., Oxford, Cambridge, Philadelphia, New Delhi: Woodhead Publishing), ISBN: 9780857090393.
Potter _{rev}	Wren, R. C., Williamson, Elizabeth M., and Evans, Fred J. (1994), <i>Potter's New Cyclopaedia of Botanical Drugs and Preparations</i> (Saffron Walden: C. W. Daniel Company Ltd.); Reprint of revised 1988 edition.
POWO	Kew Gardens (2024), "Plants of the World," Royal Botanic Gardens, URL .
Reptiles	Daniel, J. C. (1983), <i>The Book of Indian Reptiles</i> (Bombay: Oxford University Press).
Trees	Bole, P. V., and Vaghani, Yogini (1986), <i>Field Guide to the Common Trees of India</i> (Bombay, Delhi, Oxford, etc.: World Wildlife Fund – India and Oxford University Press), ISBN: 0-19-561595-6; 4th reprint.

Watt_{Comm} Watt, George (1908), *The Commercial Products of India, Being an Abridgement of "the Dictionary of the Economic Products of India"* (London: John Murray), [ARK](#).

Flora

- aconite leaf (?) (*viṣapatrikā*) Unknown. Cf. perhaps, [Indian aconite](#) (*viṣā*) (but that is feminine). Cf. [GVDB](#): 373, "unidentified": [139](#)
- agarwood (*aguru*) *Aquilaria malaccensis* Lam., [GVDB](#): 3: [98](#), [99](#), [200](#)
- 'alas, alas' (?) (*hālāhala*) unknown. See Cf. *Soḍhalanighantu* p.43 (sub *bola*) = *stomaka* = [Indian aconite](#) (*vatsanābha*): [140](#), [142](#)
- Alexandrian laurel (*punnāga*) *Calophyllum inophyllum*, L. See [AVS](#): 1, 338, [NK](#): 1, #425: [181](#), [200](#)
- amaranth (*tanḍulīya*) see [amaranth](#) (*tanḍulīyaka*): [182](#)
- amaranth (*tanḍulīyaka*) *Amaranthus spinosus* L. See [GVDB](#): 174, [Dutt](#): 321, [NK](#): 1, #144, [Potter_{rev}](#): 15. Cf. [AVS](#): 1, 121. Amaranth (etym. amṛta!) is a large family, many originally endemic to S. America. *A. hypochondriacus* L. is sometimes identified with *tanḍulīyaka*, but *A. spinosus* L. is better known and attested in S. Asia in the first millennium BCE ([Saraswat 1991](#)): [131](#), [189](#), [193](#), [198](#), [286](#)
- Arabian jasmine (*trṇaśūnya*) see [Arabian jasmine](#) (*mallikā*), [GVDB](#): 190 [MW](#): 453 says *Jasminium sambac*. [GVDB](#): 190 also suggest [screwpine](#) (*ketaka*): [286](#)
- Arabian jasmine (*mallikā*) *Jasminum sambac* (L.) Aiton, [GVDB](#): 300: [286](#)
- Arabian jasmine (*trṇaśūlya*) probably an alternative pronunciation for [Arabian jasmine](#) (*trṇaśūnya*), [GVDB](#): 190: [200](#)
- arjun (*arjuna*) *Terminalia arjuna*, Bedd. See [HK](#): 738: [44](#), [78](#), [197](#)
- Asoka tree (*aśoka*) *Saraca indica* Linn., [GVDB](#): 26: [99](#), [101](#), [182](#), [200](#), [210](#), [302](#)
- atis root (*śṛṅgīviṣa*) *Aconitum heterophyllum*, Wall. ex Royle. See [AVS](#): 1, 42, [NK](#): 1, #39: [140](#), [142](#)
- axlewood (*dhava*) *Anogeissus latifolia* (Roxb. ex DC.) Wall. ex Guill & Perr. See [AVS](#): 1, 163 f, [Chopra](#): 20: [44](#), [77](#), [152](#), [197](#), [200](#)
- bamboo leaves (*veṇupatrikā*) *Bambusa bambos*, Druce. See [NK](#): 1, #307: [131](#)
- banyan (*nyagrodha*) *Ficus benghalensis*, L., [GVDB](#): 356, [HK](#): 748: [286](#)
- banyan (*vaṭa*) see [banyan](#) (*nyagrodha*): [78](#), [81](#)
- barley (*yava*) *Hordeum vulgare*, L. See [HK](#): 752: [109](#)
- barley ash (*yavakṣāra*) The preparation method is described at [GVDB](#): 327: [112](#), [286](#)
- barley ash (*yavanāla*) see [barley ash](#) (*yavakṣāra*), [GVDB](#): 327: [190](#)
- bayberry (*kaṭphala*) *M. esculenta* Buch.-Ham. ex D.Don, which is native to the Himalaya, from Kashmir to Assam, as well as S. China and SE Asia. *Nageia nagi* (Thunb.) Kuntze (syn of *Myrica nagi* Thunb.), as suggested by Singh and Chuneekar ([GVDB](#): 66), is native to East Asia, not India: [182](#)
- bearded premna (*vasuka*) *Premna barbata* Wall. (← *vasuhaṭṭa*), according to Cakrapāṇidatta. See the discussion by Singh and Chuneekar ([GVDB](#): 362–363), where other candidate species such as *Osmanthus*, *Calotropis*, and

- Trianthema are discussed. Singh and Chunekar (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 : 78
- beautyberry (*śyāmā*) *Callicarpa macrophylla*, Vahl. See AVS: 1, 334, NK: 1, #420 : 104, 129, 131, 183
- beggarweed (*aṃśumatī*) see beggarweed (*śālaparṇī*), GVDB: 1, mentioning that the pair of these refers to beggarweed and ?? : 147, 192
- beggarweed (*sthirā*) see beggarweed (*śālaparṇī*), GVDB: 458 : 192
- beggarweed (*vidārigandhā*) see beggarweed (*śālaparṇī*) : 53, 109, 297
- beggarweed (*śālaparṇī*) *Desmodium gangeticum* (L.) DC. See Dymock: 1, 428, GJM1: 602, NK: 1, #1192; ADPS: 382, 414 and AVS: 2, 319, 4.366 are confusing : 287
- beleric myrobalan (*bibhītaka*) *Terminalia bellirica* Roxb. One of the components of the three myrobalans (*triphalā*) GVDB: 274, 196 : 305
- Bengal quince (*bilva*) *Aegle marmelos* (L.) Corr. See AVS: 1, 62, Chevillard: 161, NK: 1, #62, i(MW: 732a) : 77, 99, 101, 106, 183, 287, 292, 303
- big poison (?) (*mahāviṣa*) unknown. : 140, 142
- big thorn apple (?) (*mahākarambha*) Perhaps *Datura metel*, L.?. See thorn apple (*karambha*) : 139
- bitter gourd (*paṭolī*) see pointed gourd (*paṭola*), cite[233]gvdb : 182
- bitumen (*adrija*) → *śilājī*. A tar-like, black, resinous rock exudate. See Mahākośa: 1, 21 : 163
- black Bengal quince (*kṛṣṇaśrīphalikā*) GVDB: 412, on *śrīphala*, synonym of Bengal quince (*bilva*) fruit : 293
- black creeper (*kālānusārī*) *Ichnocarpus frutescens* R. Br. or *Cryptolepis buchanani* Roemer & Schultes. Probably a synonym for *kṛṣṇasārīvā* (GVDB: 94–95). I. frutescens has dark, rust-colored stems, so has been preferred here. However, *Cryptolepis grandiflora*, Wight, also has black stems. Synonym of *kālānusārīṇī*, *kālānusārīvā*. *kālānusārīya* may be a synonym of *tagara*, itself hard to identify : 181, 287
- black creeper (*pālindī*) *Ichnocarpus frutescens*, (L.) R.Br. or *Cryptolepis buchanani*, 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 Singh and Chunekar (GVDB: 246) supported this as a usual identification : 131, 134, 147, 182
- black nightshade (*kākamācī*) *Solanum nigrum*, Linn., GVDB: 86–87. May also be the less poisonous *S. dulcamara*, “bittersweet nightshade,” K & B: 1, 889–892 : 192, 199, 290
- black pepper (*marica*) *Piper nigrum*, L. See ADPS: 294, NK: 1, #1929. Known to ancient Greek authors (Ball 1888: 341) : 110, 198, 210, 292, 305
- black sarsaparilla (*kālānusārīvā*) see Indian sarsaparilla (*sārīvā*); see also black creeper (*kālānusārī*). Problems about identifying this plant are discussed at GVDB: 94–95 and GVDB: 429–431 : 200
- blackboard tree (*saptachada*) *Alstonia scholaris* R. Br. GVDB: 420 : 130, 287
- blackboard tree (*saptaparṇa*) see blackboard tree (*saptachada*) : 198
- blackbuck (*harīṇa*) *Antelope cervicapra*, L. See BIA: 270 IW: 95, 165, et passim : 134
- blue water-lily (*utpala*) *Nymphaea stellata*, Willd. See GJM1: 528, IGP 790; Dutt: 110, NK: 1, #1726 : 35, 129, 147, 200, 210, 211, 291

- bluebell barleria (*kuruvaka*) see [bluebell barleria](#) (*kuruvaka*) : 183
- bluebell barleria (*kuruvaka*) Or *kurubaka*. Singh and Chuneekar (GVDB: 108) notes that this is sometimes listed as a type of rice, as at *Suśrutasaṃhitā* 1.46.8 (Su 1938: 215). Further discussion at GVDB: 447–448, sub [bluebell barleria](#) (*saireyaka*), where *kurubaka* is said to be identifiable with *baka* and *būka*. Singh and Chuneekar (GVDB) finally propose a red-flowering *Rhododendron*, admitting that this is a novel suggestion : 139, 288
- bluebell barleria (*sahā*) see [bluebell barleria](#) (*sahācara*), GVDB: 428 : 108, 191
- bluebell barleria (*sahācara*) see [bluebell barleria](#) (*saireyaka*), GVDB: 427 : 288
- bluebell barleria (*saireyaka*) A *Barleria*, perhaps *B. cristata* L. that is particularly well-known in South India. Four kinds are distinguished in *ayurveda*, based on the colour of their flowers. See substantive discussion at GVDB: 444–449 : 288
- bread flower (*āsphota*) GVDB: 41 argue for *Vallisneria spiralis* (Roth ex Roem. & Schult.) Kuntze. This has the right distribution in S. Asia POWO: s.v. : 193
- 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](#) : 297
- bulrush (*kaṣeru*) "Two species, *Scirpus kysoor* Roxb., and *S. grossus* Linn. f., are used" GVDB: 85. Also *kaṣeruka* and *kaseru* : 104, 105, 108
- calabash gourd (*kūṣmāṇḍa*) → *puṣpaphala*. *Beninkasa hispida*, (Thunb.) Cogn. See AVS: 2, 1127; cf. AVS: 1, 261 : 292
- camphor (*karpūra*) → *śītaśiva*. *Cinnamomum camphora*, (L.) Sieb. See IGP 253 : 288
- camphor (*śītaśiva*) rarely mentioned. Taken as [rock salt](#) (*saindhava*) or [shami tree](#) (*śamī*), etc., by some authors, GVDB: 402. Ḍalhaṇa on 5.6.18 (Su 1938: 581) glossed it as [camphor](#) (*karpūra*), but noticed other interpretations : 200
- cardamom (*elā*) *Elettaria cardamomum*, Maton. See AVS: 2, 360, NK: 1, #924, Potter_{rev}: 66 : 98, 99, 147, 153, 181, 182, 190, 200, 288
- cardamom (*kṣudrailā*) see [cardamom](#) (*elā*), GVDB: 128. This expression, "small cardamom" is only used at *Suśrutasaṃhitā* Kalpasthāna 6.17 : 200
- carray cheddie (*viśvadevā*) → *gāṅgerukī* *Canthium parviflorum*, Lam. See AVS: 1, 366 f. Or *Sida rhombifolia* Linn. (GVDB: 372, 444 ff. et passim) : 81
- castor oil tree (*gandharvahasta*) see [castor-oil](#) (*eraṇḍa*). GVDB: 135, K & B: 3, 2277 : 49, 101
- castor-oil (*eraṇḍa*) *Ricinus communis*, L. See NK: 1, #2145, Chopra: 214 : 54, 288
- castor-oil tree (*vardhamāna*) see [castor-oil](#) (*eraṇḍa*), GVDB: 361 : 198
- catechu (*khadira*) *Senegalia catechu* (L.f.) P. J. Hurter & Mabb = *Acacia catechu* Willd. GVDB: 129–130 : 78
- 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." : 153
- 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*) : 37, 302
- champak (*campaka*) *Magnolia champaca* (L.) Baill. ex Pierre, GVDB: 154 : 200

- chebulic myrobalan (*haritakī*) *Terminalia chebula* Retz. [GVDB](#): 466 : 107, 130, 200, 305
- cherry (*elavālu*) *Prunus cerasus*, L. See [GVDB](#): 58 for a thoughtful discussion [NK](#): 1, #2037 : 147, 200, 289
- cherry (*elavāluka*) see [cherry](#) (*elavālu*) : 198
- chir pine (*sarala*) *Pinus roxburghii*, Sarg. [GVDB](#): 423 : 77, 108, 198, 200
- cinnamon (*tvac*) *Cinnamomum cassia*, Blume. See [NK](#): 1, #579 : 192, 200, 289
- cinnamon (*tvak*) see [cinnamon](#) (*tvac*) : 182
- cinnamon (*varāṅga*) see [cinnamon](#) (*tvac*), [GVDB](#): 360 : 198
- citron (*mātuluṅga*) *Citrus medica*, Linn. [GVDB](#): 276, 306. Also spelled *mātuliṅga*, *mātulaṅga*, *mātulāṅga* : 77, 106, 111, 112, 182
- cluster fig (*udumbara*) *Ficus racemosa*, L. See [ADPS](#): 487 : 197
- cobra's saffron (*nāgapuṣpa*) → *nāgakeśara*. *Mesua ferrea*, L. See [NK](#): 1, #1595, [GVDB](#): 220 : 147
- colocynth (*indravāruṇī*) *Citrullus colocynthis* (L.) Schrad., [GVDB](#): 46. The two varieties of this plant are discussed by ([ADPS](#): 180–183); the first is agreed to be colocynth, the second is debated but is likely to be a *Curcubitaceae* : 198, 200, 289
- colocynth (*mṛgādanī*) see [colocynth](#) (*indravāruṇī*) [GVDB](#): 46, 318 : 182
- common smilax (*śvadamśtra*) *Smilax aspera* L., [GVDB](#): 414 : 77
- 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* : 81
- coriander (*dhānyaka*) *Coriandrum sativum* L., [GVDB](#): 213 : 289
- coriander (*kustumburya*) see [coriander](#) (*dhānyaka*), [GVDB](#): 113 : 200
- corky coral tree (*pāribhadra*) *Erythrina suberosa* Roxb. See [GVDB](#): 245 : 152, 289
- corky coral tree (*pāribhadra*) see [corky coral tree](#) (*pāribhadra*) : 101, 197
- costus (*kuṣṭha*) *Dolomiaea costus* (Falc.) Kasana & A. K. Pandey. See [GVDB](#): 112, [NK](#): 1, #2239. Known to ancient Greek authors (Ball 1888: 345) : 98, 99, 106, 131, 147, 153, 181, 182, 190, 198, 200
- cottony jujube (*kākolī*) *Ziziphus mauritanica*, Lam. See [IGP](#): 1233, [NK](#): 1, #2663; [IGP](#) 1233. Cf. [NK](#): 1, #1170 : 97, 105, 106, 178
- 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 : 53, 105, 108, 270
- country mallow (*sahadevā*) → *balā* ([GVDB](#): 428). Contains ephedrine : 81, 108
- country sarsaparilla (*anantā*) *Hemidesmus indicus*, (L.) R. Br. See [ADPS](#): 434, [AVS](#): 3, 141–145, [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) : 53, 139, 147, 152
- crape jasmine (*tagara*) *Tabernaemontana divaricata* (L.) R.Br. ex Roem. & Schultes. See [GJM](#): 557, [AVS](#): 5, 232.

- Synonym of *nata*. 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 or a *Nymphoides* (see [water snowflake \(?\)](#) (*kumudavati*)), 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, [K & B](#): 1, 796, #758: 98, 99, 106, 131, 147, 181, 200, 293, 306
- 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: 292, 307
- croton tree (*nāgadantī*) *Croton persimilis* Müll.Arg., [GVDB](#): 222 : 198, 290, 301
- croton tree (*nāgavinnā*) *Croton persimilis* Müll.Arg. [GVDB](#): 222 I have taken this as [croton tree](#) (*nāgadantī*) because of context in *Suśrutasaṃhitā* *Kalpasthāna* 5: 183
- crow (?) (*kāka2*) an unidentified poisonous plant apparently called “crow.” Singh and Chuneekar ([GVDB](#): 86) note that several drugs named after the crow are unidentifiable. [Black nightshade](#), (*kākamācī*) is toxic, but this is a stretch : 139
- datura* (*dhattūra*) *Datura metel*, L. See [AVS](#): 2, 305 (cf. *Abhidhānamāñjarī*), [NK](#): 1, #796 ff. [Potter_{rev}](#): 292 f, [ADPS](#): 132 : 50, 290
- datura* (*dhuttūrakā*) see [datura](#) (*dhattūra*) : 194
- deodar (*bhadradāru*) *Cedrus deodara*, (Roxb.ex D.Don) G. Don. See [AVS](#) 41, [NK](#): 1, #516 : 44, 105, 109, 147, 198
- deodar (*devadāru*) *Cedrus deodara* (Roxb.) Loud. [GVDB](#): 206–207 : 77, 106, 200, 270, 290
- deodar (*suradāru*) see [deodar](#) (*devadāru*) : 181
- devil’s dung (*hiṅgu*) *Ferula foetida* Regel., [GVDB](#): 471–472 : 78, 79, 181
- dried ginger (*nāgara*) → [dried ginger](#) (*śuṇṭhī*) [GVDB](#): 221–222 : 79, 181
- dried ginger (*śuṇṭhī*) *Zingiber officinale*, Roscoe. See [ADPS](#): 50, [NK](#): 1, #2658, [AVS](#): 5, 435, [IGP](#): 1232 : 104, 290, 305
- 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) : 35
- drum-giver (?) (*lambaradā*) Unknown; cf. [GVDB](#): 348 : 139
- elixir salve (*rasāñjana*) cf. [Indian barberry](#) (*añjana*) : 44, 54, 294
- embelia (*viḍaṅga*) *Embelia ribes*, Burm. f. See [ADPS](#): 507, [AVS](#): 2, 368, [NK](#): 1, #929, [Potter_{rev}](#): 113 : 44, 77, 99, 147, 181, 182, 198
- emblic myrobalan (*āmālaka*) *Phyllanthus emblica*, L. See [AVS](#): 4, 256 : 78, 107, 108, 210, 305
- emetic nut (*karaghāṭa*) Probably a synonym for *karahāṭa* ([emetic nut](#)), q.v., [GVDB](#): 74 : 290
- emetic nut (*karaghāṭaka*) see [emetic nut](#) (*karaghāṭa*) : 140, 197
- emetic nut (*karahāṭa*) *Randia dumetorum*, Lamk. See [GVDB](#): 291–292 and [NK](#): 1, #2091. 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
- emetic nut (?) (*karaṭā*) Not in [GVDB](#). Cf. perhaps *karahāṭa* ([emetic nut](#)) : 138
- emetic nut (*madana*) *Randia dumetorum*, Lamk. See [NK](#): 1, #2091 : 130, 272
- false daisy (*bhṛṅga*) *Eclipta prostrata* (L.) L. See [GVDB](#): 288 : 77
- false daisy (*subhaṅgurā*) (*su*)*bhaṅgura* = *bhṛṅga*? *Eclipta prostrata* (L.) L. See

- GVDB: 288 : 138
 fermented rice-water (*dhānyāmla*) → *kāñjī*, *kāñjikā*, *sauvīra*. GVDB: 458, NK: 2, appendix VI, #18 : 51, 52
- 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 : 133
- fire-flame bush (*dhātakī*) *Woodfordia fruticosa* (L.) Kurz. See AVS: 5, 412, NK: 1, #2626. Known to ancient Greek authors (Ball 1888: 344) : 78, 130
- five roots (*pañcamūla*) Described at *Suśrutasaṃhitā* 1.38.66–69 (Su 1938: 169). There are two *pañcamūlas*, the *laghupañcamūla* (the lesser five roots) and *bṛhatpañcamūla* (greater five roots), with differing properties. Combined they are called *daśamūla* (ten roots). See also *Mahākośa*: 1, 468 : 77
- flame-of-the-forest (*kiṃśuka*) see flame-of-the-forest (*palāśa*), GVDB: 97–98 : 190
- flame-of-the-forest (*palāśa*) *Butea monosperma* (Lam.) Taub. GVDB: 241. *pālāśa* in some sources : 78, 101, 291
- flax (*atasī*) *Linum usitatissimum*, L. See NK#1495 : 105
- foxtail millet (*priyaṅgu*) → *śyāmā*. *Setaria italica* (L.) P. Beauvois GVDB: 263–264, GJM1: 576. The most widely-grown species of millet in Asia. Some say *Callicarpa macrophylla*, Vahl. See AVS: 1, 334, NK: 1, #420. The fruits of *S. italica* and *C. macrophylla* are similar. See also GVDB: 413, where the authors suggest that *priyaṅgu* is meant by *gondī* or *gondanī* and may have originally been called *gundrabīja* : 44, 147, 153, 181, 182, 210, 291
- foxtail millet (*priyaṅgū*) see foxtail millet (*priyaṅgu*) : 200
- fragrant lotus (*saugandhika*) A type of white water-lily (*kumuda*) or blue water-lily (*utpala*), GVDB: 457 : 35
- fruit of the marking-nut (*āruṣkara*) see marking-nut tree (*aruṣkara*). “*āruṣkara* = *aruṣkara phala*” ADPS: 23; see also MW: 151 : 182
- gajpipul (*gajapippalī*) GVDB: 469, 132, syn. *hastipippalī*. A controversial plant, but the conjecture of Singh and Chuneekar that *Scindapsus officinalis* (Roxb.) Schott is the more ancient identity is accepted here : 291, 309
- gajpipul (*hastipippalī*) see gajpipul (*gajapippalī*), GVDB: 469, 132 : 198
- galangal (*galaṅgala*) *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*) almost impossible to identify with certainty, GVDB: 78–80. Perhaps *Rhus succedanea*, L. See NK: 1, #2136 : 140
- garjan oil tree (*aśvakarṇa*) *Dipterocarpus turbinatus* Gaertn. f. See GVDB: 28, Chopra: 100 : 152, 197, 200
- giant potato (*kṣīravidārī*) possibly → *kṣīraśukla*. *Ipomoea mauritiana*, Jacq. See ADPS: 510, AVS: 3, 222, AVS: 3, 1717 ff : 105, 295, 299, 300, 302
- ginger (*mahaṣadha*) *Zingiber officinale*, Roscoe. See ADPS: 50, NK: 1, #2658, IGP: 1232 : 134
- gold (*hema*) gold : 147
- 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” : 153
- golden shower tree (*rājadruma*) see golden

- shower tree (*āragvadha*) : 152
golden shower tree (*rājavarṣa*) see golden shower tree (*āragvadha*) : 77
golden shower tree (*āragvadha*) Cassia fistula L. *GVDB*: 37–38, *ADPS*: 48, *AVS*: 2, 11 ff, *AVS*: 2, 854, *IGP*: 215. Known to ancient Greek authors (Ball 1888: 343). The plant has many synonyms : 107, 180, 190, 192, 291, 292
gourd (*alābu*) *Lagenaria siceraria* Standl. *GVDB*: 25. Some say *Lagenaria vulgaris*, Seringe (*NK*: 1, #1419) but this is not appropriate for blood-letting : 31, 32, 130, 178
gourd (*vallija*) see gourd (*vallija*) : 140
gourd (*vallija*) This is a guess. According to some lexical sources, syn. for black pepper (*marica*) (*MW*: 929). See *NK*: 1, #1929. Singh and Chuneekar (*GVDB*: 362) note that *vallīphala* may be calabash gourd (*kūṣmāṇḍa*), which I follow. The related spiny bitter gourd has poisonous seeds, but not flowers. Commenting on *Bṛhatsaṃhitā* 8.13ab and 16.24ab, Bhaṭṭotpala glossed it as *mudgādi*, “mung beans etc.” : 292
grapes (*drākṣā*) *Vitis vinifera* L. *GVDB*: 208–209 : 182
greater five roots (*brhatpañcamūla*) 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, 296, 305
green gram (*māṣa*) *Vigna radiata* (L.) R. Wilcz. See *ADPS*: 296, *IGP* 1204 : 44, 105, 271
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.” : 77, 104, 106, 181, 291
gummy gardenia (*prthvikā*) ← *hingupatrikā*, *Gardenia gummifera* L.f., *GVDB*: 257, q.v. for discussion : 182, 200
hairy bergenia (*pāṣāṇabheda*) *Bergenia ligulata* (Wall.) Engl. *GVDB*: 246–247 : 78
hairy-fruited eggplant (*brhatī*) *Solanum lasiocarpum* Dunal. (syn. *S. ferox*, L. & *S. indicum* L.), *GVDB*: 277–278, who discuss the two kinds of *brhatī*, which may be large and small eggplants (*Solanum melongena* L.). See also *ADPS*: 100, *NK*: 1, #2329, *AVS*: 5, 151, *IHR*: 429–430 : 101, 107, 146, 147, 190, 192, 297
halfa grass (*darbha*) *Demostachya bipinnata* Stapf. *GVDB*: 201. Synonym of *kuśa* : 80, 105
halfa grass (*kuśa*) *Desmostachya bipinnata*, (L.) Stapf. *GVDB*: 111, *AVS*: 2, 326 : 105, 175, 198
hare foot uraria (*kroṣṭakamekhalā*) see hare foot uraria (*prśniparnī*) *Mahākośa*: 1, 246. *kroṣṭaka* can mean “jackal” *śṛgāla*, as in *śṛgālavinna*, “a kind of *prśnaparnī*” *Mahākośa*: 1, 839 : 182
hare foot uraria (*prthakparṇī*) → hare foot uraria (*prśniparnī*) and rajmahal hemp (*mūrvā*) *GVDB*: 257. A component of lesser five roots : 107, 297
hare foot uraria (*prśniparnī*) → *sahā*? *Uraría lagopoides*, DC. and *U. picta* Desv. See *GVDB*: 257–258, *GJM*: 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](#) : [104](#), [105](#), [292](#)
- heart-leaf sida (*balā*) *Sida cordifolia*, Linn. See [ADPS](#): [71](#), [NK](#): [1](#), #2297 : [53](#), [105](#), [108](#), [110](#), [147](#), [270](#)
- heart-leaved moonseed (*amṛtā*) → *guḍūcī*. *Tinospora cordifolia*, (Willd.) Hook.f. & Thoms.? See [ADPS](#): [38](#), [NK](#): [1](#), #2472, [624](#), [Dastur](#) #229 : [131](#), [146](#), [192](#)
- 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](#)) : [77](#), [106](#)
- heart-leaved moonseed (*somavallī*) *Tinospora cordifolia* (Thunb.) Miers. [GVDB](#): [456](#). Likely, but uncertain : [131](#)
- heart-leaved moonseed creeper (*amṛtavallī*) See *amṛtā* : [270](#)
- hedge caper (*hiṃsrā*) *Capparis sepiaria* L., [GVDB](#): [471](#), [IHR](#): [124](#), [K & B](#): [1](#), [109](#) : [293](#)
- hedge caper (*kākādanī*) synonym of [hedge caper](#) (*hiṃsrā*), [GVDB](#): [88](#), [471](#), [IHR](#): [124](#), [K & B](#): [1](#), [109](#). This name is not used in the *Carakasaṃhitā*. At 5.7.31 ([Su](#) 1938: 583), Ḍalhaṇa glossed *kākādanī* as [black Bengal quince](#) (*kṛṣṇaśrīphalikā*). [GVDB](#): vi, [471](#) note that they have identified *kākādanī* as *Cardiospermum halicacabum* L. “balloonvine” : [192](#)
- henna (*madayantikā*) *Lawsonia inermis*, L. See [AVS](#): [3](#), [303](#), [NK](#): [1](#), #1448, [Potter](#)_{rev}: [151](#) : [132](#)
- hibiscus (?) (*ambāṣṭhā*) possibly *Hibiscus rosa-sinensis* L.? Singh and Chuneekar ([GVDB](#): [18–19](#)) discuss the confusions surrounding the identity of this plant, and especially between this plant and [velvet-leaf](#) (*pāṭhā*); they must be different items. Singh and Chuneekar propose that *ambāṣṭhā* is either the fruit of *Hibiscus* or the galls of a *Quercus* or *Tamarix* species. According to Meulenbeld 1974b: 599, *vanakārpāsī* is more likely a name for a [hibiscus](#) : [183](#)
- Himalayan birch (*bhūja*) see [Himalayan birch](#) (*bhūrja*) : [198](#)
- Himalayan birch (*bhūrja*) *Betula utilis* D. Don, [GVDB](#): [287](#) : [293](#)
- Himalayan mayapple (*vakra*) *Podophyllum hexandrum*, Royle ([NK](#): #1971), [K & B](#): [1](#), [68](#). But perhaps a synonym of [crape jasmine](#) (*tagara, nata* q.v. ([GVDB](#): [354](#))) : [153](#), [181](#), [182](#), [192](#)
- Himalayan yew (*sthaṇṇeya*) see [Himalayan yew](#) (*sthaṇṇeyaka*) : [200](#)
- Himalayan yew (*sthaṇṇeyaka*) Singh and Chuneekar ([GVDB](#): [458–459](#)) suggested *Taxus baccata* L., but that tree is endemic to the [Mediterraenean](#) and not [South Asia](#). Poudel et al. 2013 show that *T. contorta* Griff., *T. mairei* (Lemée & Lév.) and *T. wallichiana* Zucc. are distributed in the [Hindu Kush - Himalaya](#) region. The [Nepalese](#) name *Thuneraka* is etymologically cognate with the [Sanskrit](#) name. *T. contorta* is of medicinal importance, so its common name is used here : [181](#), [293](#)
- hogweed (*punarnavā*) *Boerhaavia diffusa*, L. See [ADPS](#): [387](#), [AVS](#): [1](#), [281](#), [NK](#): [1](#), #363 : [107](#), [132](#), [146](#), [183](#), [293](#)
- hogweed (*punarnavā*) see [hogweed](#) (*punarnavā*) : [191](#)
- hogweed (*punarnavā*) see [hogweed](#) (*punarnavā*) : [194](#)
- hogweed (*varṣābhū*) see [hogweed](#) (*varṣābhū*) : [191](#)
- hogweed (*varṣābhū*) see [hogweed](#) (*punarnavā*). According to [GVDB](#): [361](#), it is *Trianthema portulacastrum* L., but this is mainly known from [Africa](#) and the [new world](#). The name is often considered a synonym for [hogweed](#) (*punarnavā*) : [293](#)
- Holostemma creeper (*jīvanti*) → *sūryavallī*? *Holostemma ada-kodien*,

- Schultes. See [ADPS](#): 195, [AVS](#): 3, 167, 169, [NK](#): 1, #1242: 108, 300
- holy basil (*surasa*) *Ocimum tenuiflorum*, Linn. [GVDB](#): 438–439: 183
- honey (*kṣaudra*) Eight varieties of honey are described in the *Suśrutasamhitā* ([NK](#): 2, Appendix 192). *Kṣaudra* is the product of a small bee of tawny colour, called *kṣudra*: 113, 134, 210, 211
- horned pondweed (*śaivāla*) also *śaivāla*, *śevāra*. *Zannichellia palustris* L. The uncertainties of this identification are discussed by Singh and Chuneekar ([GVDB](#): 409). Sometimes identified with [scutch grass](#) (*dūrvā*) ([GVDB](#): 409). Identified as *Ceratophyllum demersum* Linn. (“hornwort”) by [AVS](#): 2, 56–57x: 106, 294, 301
- hornwort (*jalaśūka*) → *jalanīlikā*. *Ceratophyllum demersum*, L. See [AVS](#): 2, 56, [IGP](#): 232. 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: 53
- horse gram (*kaulattha*) See [horse gram](#) (*kulattha*): 176
- horse gram (*kulattha*) *Macrotyloma uniflorum* (Lam.) Verdcourt, syn. *Dolichos biflorus*, L., *D. uniflorus*, Lam., [GVDB](#): 109, [POWO](#): sub *Macrotyloma uniflorum*: 109, 110, 180, 201, 294
- horseradish tree (*madhukaśigru*) *Moringa oleifera* Lam., [GVDB](#): 398–399. See [horseradish tree](#) (*śigru*): 197
- horseradish tree (*murungī*) see [horseradish tree](#) (*śigru*) ([GVDB](#): 311): 182
- horseradish tree (*śigru*) *Moringa oleifera* Lam. See [IGP](#): 759, [GJM1](#): 603, [Dymock](#): 1, 396, [GVDB](#): 398–399: 106, 107, 294
- hyacinth beans (*niṣpāva*) *Lablab purpureus* (L.) Sweet (1826) [GVDB](#): 228: 95
- Indian aconite (*ativiṣā*) *Aconitum ferox*, Wall. ex Ser., or perhaps *A. heterophyllum* Wall. ex Royle, [GVDB](#): 12, [NK](#): 1, #39. Also called “atis roots” or just *viṣā*. *A. ferox* is also called aconite, monkshood, wolfsbane, etc. *A. ferox* is extremely poisonous. See also [Indian aconite](#) (*vatsanābha*). It grows especially in mountainous Sikkim: 96, 132, 134, 153, 198, 200, 294
- Indian aconite (*vatsanābha*) *Aconitum ferox*, Wall. ex Ser. Cf. [AVS](#): 1, 47 (*A. Napellus*, L., which is European and now taxonomically separated from *A. ferox*), [NK](#): 1, #42, [Potter](#)_{rev}: 4 f. *A. chasmanthum* Stapf ex Holmes according to [GVDB](#): 357, but that is distributed in Pakistan, Afghanistan and Tibet, Mongolia and Siberia. “*vatsanābha*” occurs in only once in the *Carakasamhitā* and thrice in the *Suśrutasamhitā* (Ca4.23.11571, Su5.2. 5, 6, 12564): 140, 141, 286, 294
- Indian aconite (*viṣā*) see [Indian aconite](#) (*ativiṣā*), [GVDB](#): 12, 373: 286, 301
- Indian barberry (*añjana*) see [Indian barberry](#) (*dāruharidrā*) Cf. [elixir salve](#) (*rasañjana*): 54, 133, 290
- Indian barberry (*dāruharidrā*) *Berberis holstii* Engl., [Dymock](#): 1, 65, [NK](#): 1, #335, #685, [GJM1](#): 562, [IGP](#): 141, [GVDB](#): 203: 146, 147, 294, 305
- Indian barberry (*dārvi*) see [Indian barberry](#) (*dāruharidrā*): 211
- Indian barberry (*kālīyaka*) see [Indian barberry](#) (*dāruharidrā*): 131
- Indian bat tree (*śuṅgā*) → *parkaṭīvṛkṣa* according to *Śabdasinghu*: 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 *Suśrutasamhitā* 3.2.32. Cf. [MW](#): 1081.: 81
- Indian bdellium-tree (*guggula*) See [Indian](#)

- [bdellium-tree](#) (*guggulu*) : 181
- Indian bdellium-tree (*guggulu*)
Commiphora wightii (Arn.) Bhandari (GVDB: 140). This is a flowering shrub or small tree that produces a fragrant resin commonly called *guggulu*. The name sometimes refers to the plant and sometimes to the resin. Known to ancient Greek authors (Ball 1888: 340) : 113, 294
- Indian beech (*naktamāla*) Pongamia pinnata, (L.) Pierre. See AVS: 4, 339, NK: 1, #2003 : 44, 101
- Indian cherry (*śelu*) Cordia myxa, L. non Forssk. See GJM1: 529 (2), IGP: 291b, cf. AVS: 3, 1677 f; cf. AVS: 2, 180 (C. dichotoma, Forst.f.), NK: 1, #672 (C. latifolia, Roxb.). See [Indian cherry](#) (*śleṣmātakī*) : 107, 146
- Indian cherry (*śelū*) see [Indian cherry](#) (*śleṣmātakī*), GVDB: 408 : 200
- Indian cherry (*śleṣmātakā*) see [Indian cherry](#) (*śleṣmātakī*) : 197
- Indian cherry (*śleṣmātakī*) Cordia dichotoma G. Forst., AVS: 2, 180–183. See POWO: C. dichotoma; Cordia myxa L., according to Singh and Chuneekar (GVDB: 413–414), although they also suggest C. dichotoma (synonym of C. wallichii G. Don.) and C. rothii (synonym of Cordia sinensis Lam.) : 182, 295
- Indian dill (*śatapušpā*) Anethum graveolens L. May also be Foeniculum vulgare Mill. See GVDB: 388 for discussion : 108, 200
- Indian elm (*cirabilva*) Holoptelea integrifolia (Roxb.) Planch. GVDB: 158, who also say that *pūtika* is a synonym; but that must be different than *pūtikā* : 295
- Indian elm (*ciribilva*) see [Indian elm](#) (*cirabilva*) : 197
- Indian frankincense (*agamṛttikā*) see [Indian frankincense](#) (*śallakī*), according to Dalhaṇa's comment on *Suśrutasamhitā* 5.7.29. A variant form of [Indian frankincense](#) (*agavṛttikā*) : 192
- Indian frankincense (*agavṛttikā*) see ?? (*nagavṛttikā*), GVDB: 3, 392 : 295
- Indian frankincense (*gajavṛttikā*) Boswellia serrata Roxb.; equated with [Indian frankincense](#) (*śallakī*) by some, GVDB: 392. See also ?? (*nagavṛttikā*) : 182
- Indian frankincense (*śallakī*) Boswellia serrata Roxb., GVDB: 392 : 192, 295
- Indian fumitory (*parpaṭa*) the ancient plant is probably impossible to identify, and many alternatives are used today, including especially Fumaria species (GVDB: 239–240). I have chosen Fumaria indica (Hausskn.) Pugsley, which can be poisonous : 295
- Indian fumitory (*reṇu*) see [Indian fumitory](#) (*parpaṭa*), GVDB: 339. To be distinguished from [pollen](#) (?) (*reṇukā*) : 139
- 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 : 53, 106, 300
- Indian jujube (*sauvīraka*) Zizphus jujuba Mill., GVDB: 458, MBG: sub jujuba : 105, 176
- 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 : 53, 77
- Indian laurel (*plakṣa*) Ficus microcarpa, L. f. See ADPS: 377 : 198
- Indian madder (*mañjiṣṭhā*) Rubia cordifolia, L. See IGP, Chopra: 215, GVDB: 289 : 49, 147, 181, 182, 191, 198
- 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 মাছ (*bān māch*)” 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): 33
- Indian mustard (*sarṣapa*) *Brassica juncea*, Czern. & Coss. See [AVS](#): 1, 301, [NK](#): 1, #378, [GVDB](#): 426–427: 36, 140, 198, 298
- Indian pennywort (*maṇḍūkapaṇī*) *Centella asiatica* (L.) Urban. See [GVDB](#): 290, [ADPS](#): 289–291: 183
- Indian sarsaparilla (*sugandhikā*) see [Indian sarsaparilla](#) (*śvetasārivā*) [GVDB](#): 430, 436: 182, 200
- Indian sarsaparilla (*sārivā*) → *anantā*. The *śveta* variety is *Hemidesmus indicus*, (L.) R. Br. [ADPS](#): 434, [AVS](#): 3, 141–145, [NK](#): 1, #1210, [GVDB](#): 430; and the black form, black creeper, *pāṇḍī*. *Ichnocarpus frutescens*, (L.) R.Br. or *Cryptolepis buechanani*, Roemer & Schultes [AVS](#): 3, 141, 145, 203, [NK](#): 1, #1283, 1210, [ADPS](#): 429–430: 147, 287, 291, 296
- Indian sarsaparilla (*śvetasārivā*) *Hemidesmus indicus*, (L.) R. Br. See [Indian sarsaparilla](#) (*sārivā*). [ADPS](#): 434, [AVS](#): 3, 141–145, [NK](#): 1, #1210, [GVDB](#): 430: 296
- Indian snakeroot (*sarpagandhā*) *Rauvolfia serpentina*, (L.) Benth. ex Kurz. See [NK](#): 1, #2099, [ADPS](#): 439, [GVDB](#): 425; cf. SS 5.5.76–78: 183, 296
- Indian snakeroot (*sarpagandhā*) common spelling in Nepalese MSS for [Indian snakeroot](#) (*sarpagandhā*), q.v.: 192
- Indian symphorema (*ananta*) Not in [GVDB](#) but [MW](#): 25 says “*sinduvāra*” on no authority (see [Indian symphorema](#): 198
- Indian symphorema (*sinduvāra*) Singh and Chuneekar ([GVDB](#): 435) settles on *Symphorema polyandrum* Wight as the identity of this plant. Other authors choose *Vitex negundo* Linn. See further [NK](#): 1, #2603 (cf. use of leaves), [IGP](#): 1210a, [MW](#): 1088b. Discussion by [GVDB](#): 433–435: 181, 183, 191, 200, 296
- Indian trumpet tree (*śyonāka*) *Oroxylum indicum* (L.) Benth. ex Kurz. [GVDB](#): 172–173. A component of [greater five roots](#): 296
- Indian trumpet tree (*ṭiṇṭuka*) → [Indian trumpet tree](#) (*śyonāka*). *Oroxylum indicum* (L.) Benth. ex Kurz. [GVDB](#): 172–173. A component of [greater five roots](#): 292
- Indian trumpet tree (*ṭiṇṭuka*) see [Indian trumpet tree](#) (*śyonāka*), [GVDB](#): 172–173: 198
- indigo (*nīlinī*) *Indigofera tinctoria*, L. See [NK](#): 1, #1309. [GVDB](#): 229–230 propose that this may differ from [indigo](#) (*nīlī*), and be rather the *Ipomoea hederacea* Jacq., “ivy-leaved morning glory.” But that plant is native to the Americas, as are most *Ipomoea* species. *I. tinctoria* was known to ancient Greek authors (Ball 1888: 343): 192, 296
- indigo (*nīlā*) see [indigo](#) (*nīlinī*). Although Singh and Chuneekar ([GVDB](#): 229) refer to an unidentified creeper mentioned in *Carakasamhitā* Ci.1-4.7, the use in the Nepalese *Suśrutasaṃhitā* 5.6.24 is likely to refer to [indigo](#) (*nīlī*): 191
- indigo (*nīlī*) see [indigo](#) (*nīlinī*): 200, 296
- Indrajao (*indrayava*) see *vrkṣaka* ([Indrajao](#)) *Holarrhena pubescens* Wall. ex G.Don 1837 [GVDB](#): 376, 45 and 84: 96
- Indrajao (*vrkṣaka*) → *indrayava*, *indrabīja*, *kaliṅga*, and *kuṭaja*. *Holarrhena pubescens* Wall. ex G.Don 1837 [GVDB](#): 376, 45 and 84: 79, 270, 296
- itchytrees (*nicula*) *Barringtonia acutangula*

- (L.) Gaertn., [GVDB](#): 224 : 198
- jambul (*jambū*) *Syzygium cumini*, (L.) Skeels. See [ADPS](#): 188, [NK](#): 1, #967, [Potter_{rev}](#): 168, [Wujastyk 2003](#): 130, 210
- jequirity (*guñjā*) *Abrus precatorius*, L. See [AVS](#): 1, 10, [NK](#): 1, #6, [Potter_{rev}](#): 168. See further [jequirity](#) (*kālakūṭa*): 138, 139
- jequirity (*kālakūṭa*) *Abrus precatorius*, L.? Cf. [RRS](#) 21.14. See [AVS](#): 1, 10, [NK](#): 1, #6, [Potter_{rev}](#): 168. The etymology of the name *kāla-kūṭa*, “black-top,” fits with the striking appearance of jequirity seeds. [GVDB](#): 93 does not attempt to identify the plant. The *Rasaratnasamuccaya* of pseudo-Vāgbhaṭa (21.14) says that the *kālakūṭa* poison is similar to “crow’s beak” (*kākacañcu*), which is a more certain name for jequirity. Another hypothesis for the name, which could be translated “time/death-peak” might connect it with Sandakphu mountain, whose name is Lepcha for “the height of the poisonous plant” because of the abundance of *Aconitum ferox* on the mountain: 140, 141, 297
- kutki (*kaṭukā*) *Picrorhiza kurroa* Royle ex Benth. ([GVDB](#): 64–65): 96, 113, 297, 299
- kutki (*kaṭurohañī*) → [kutki](#) (*kaṭukā*), [GVDB](#): 66, 64–65: 181
- kutki (*kaṭurohiñī*) see [kutki](#) (*kaṭukā*), [GVDB](#): 66, 64–65: 200
- leadwort (*agniśikhā*) *Plumbago zeylanica* (or *rosea*?), L. See [NK](#): 1, #1966, 1967: 297
- leadwort (*citraka*) *Plumbago zeylanica* (or *indica*?), L. See [RĀ](#). 6.124, [ADPS](#): 119, [NK](#): 1, #1966, 1967: 44, 78, 96, 101, 112, 181
- leadwort (*pālaka*) → *citraka*. *Plumbago zeylanica* (*indica*? *rosea*?), L. See [Rā](#). 6.124, [ADPS](#): 1, 119, [NK](#): 1, #1966, 1967: 140, 141
- leadwort (*vidyutśikhā*) see [leadwort](#) (*agniśikhā*): 138
- lemon grass (*uśīrabhedā*) → *lāmajja*. *Cymbopogon jwarancusa* (Jones ex Roxb.) Schult. See [NK](#): 1, #176: 306
- lesser five roots (*laghupañcamūla*) Described at *Suśrutasaṃhitā* 1.38.66–67 ([Su 1938](#): 169). Consists of bull’s head, hairy-fruited eggplant, yellow-berried nightshade, hare foot uraria, and beggarweed: 288, 291–293, 305, 309
- liquorice (?) (*klītaka*) *Glycyrrhiza glabra*, L.? [GVDB](#): 123–124 discuss the many difficulties in identifying this plant: 138
- liquorice (*madhuka*) also *yaṣṭi* (*ka/kā*), *yaṣṭīmadhuka*, *Glycyrrhiza glabra*, L. [AVS](#): 3, 84, [NK](#): 1, #1136, [GVDB](#): 329 f.: 53, 77, 104–109, 111, 134, 145, 147, 181, 197, 200, 211, 297
- liquorice (*yaṣṭī*) see [liquorice](#) (*madhuka*): 182
- liquorice (*yaṣṭīmadhuka*) see [liquorice](#) (*madhuka*): 54
- lodh tree (*lodhra*) *Symplocos racemosa*, Roxb. See [GJM1](#): 597, [ADPS](#): 279 f, [NK](#): 1, #2420. 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*: 44, 147, 181, 211
- long pepper (*kṛṣṇā*) see [long pepper](#) (*pippalī*): 210
- long pepper (*māgadha*) see [long pepper](#) (*pippalī*): 133
- long pepper (*pippali*) see [long pepper](#) (*pippalī*): 181
- long pepper (*pippalī*) *Piper longum*, L. See [ADPS](#): 374, [NK](#): 1, #1928, [GVDB](#): 249–250, but cf. [AVS](#): 3, 245: 77, 78, 101, 107, 108, 112, 113, 134, 147, 198, 201, 210, 270, 297, 305
- long pepper root (*pippalīmūla*) see [long pepper](#) (*pippalī*): 198
- long-stamen *Wendlandia* (?) (*prapaunḍarīka*) See the substantial discussion by Singh and Chuneekar ([GVDB](#): 261). They note that it is used

- mainly in eye troubles and frequently with liquorice, than which it is has been said to be thicker, and sweet in taste. A candidate they suggest is *Wendlandia heynei* (Schult.) Santapau & Merchant (formerly *W. exserta*), native to India; I have accepted that provisionally: 140, 181, 200, 298
- long-stamen *Wendlandia* (?) (*tilaka*) see long-stamen *Wendlandia* (?) (*prapaunḍarika*), *GVDB*: 183–184. Sometimes thought to be a synonym of *viburnum* (*tilvaka*), q.v., but this is probably erroneous: 200, 306
- lotus (*nalina*) see sacred lotus (*kamala*), *GVDB*: 218: 210, 211
- lotus stalk (*mṛṇāla*) “Leaf stalk of sacred lotus” *GVDB*: 318: 106
- luffa (*jālinī*) see luffa (*koṣātakī*), *GVDB*: 168: 140, 190
- luffa (*koṣavatī*) see luffa (*koṣātakī*): 146
- luffa (*koṣātakī*) *Luffa cylindrica*, (L.) M. J. Roem. or *L. acutangula*, (L.) Roxb. *ADPS*: 252–253, *NK*: 1, #1514 etc. “*Koṣātakī* appears to be used in a general way for all the fruit drugs of the family Cucurbitaceae which have a net-like structure of fibres in the pulp. It thus includes nearly all *Luffa* species...” *GVDB*: 121: 298
- mahua (*madhūka*) *Madhuca longifolia*, (J. Koenig) J. F. Macbride. See *AVS*: 3, 362 f. Known to ancient Greek authors (Ball 1888: 339–340): 77, 214–216
- maidenhair fern (*haṃsāhvayā*) *Adiantum lunulatum* Burm f. *GVDB*: 463: 270
- malabathrum (*patra*) *Cinnamomum tamala*, (Buch.-Ham.) Nees. See *AVS*: 2, 84, *NK*: 1, #589. Other common names include Indian bay leaf etc., but the plant has an ancient history in the classical world as “malabathrum.” See Ball 1888: 341, who also suggests that the chief source of the plant in India is Assam. See also *Wikipedia*. Kokoszko and Rzeźnicka (2018: 581) discuss the abbreviations “leaf” (φύλλα, *folium*) in the Mediterranean world that parallels the Sanskrit usage. Kokoszko and Rzeźnicka 2018: 584 note that Dioscorides (fl. 1st cent. CE) stated that malabathrum came from India, although Dioscorides’ description of malabathrum is of a plant like a *Nymphoides indica* (L.) Kuntze, not a tree (Osbaldeston and Wood 2000: 17): 98, 99, 106, 131, 147, 189, 190, 200
- Malay beechwood (*śrīparṇī*) → *kāśmarī*. *Gmelina arborea* Linn., *GVDB*: 412, 96–97: 77
- maloo creeper (*aśmantaka*) Singh and Chuneekar (*GVDB*: 27) note that this is the name of two different drugs, *Piliostigma malabaricum* (Roxb.) Benth. or *Phanera vahlii*. (Wight & Arn., 1834) Benth. (non-lactiferous), and *Ficus cordifolia* Roxb. (lactiferous). I have selected *P. vahlii* in this context because of its abundance in S. Asia and its Himalayan and Nepalese distribution: 183, 197
- mango (*āmra*) *Mangifera indica* Linn. *GVDB*: 37: 130, 183, 198, 210
- mangosteen (*amla*) *Garcinia pedunculata* Roxb. ex Buch.-Ham. See *GVDB*: 20–21: 180
- marking nut tree (?) (*sārṣapa*) this would normally mean “connected with mustard,” (*Indian mustard* (*sarṣapa*)) and excessive consumption of mustard oil can be harmful. However, the *Sauśrutaniḥṣaṇṭu* (156) gives *rakṣoghṇā* as a synonym for *sarṣapā*. This can be *Semecarpus anacardium*, L.f., which has some poisonous parts (“the black fruit is toxic and produces a severe allergic reaction if it is consumed or its resin comes in contact with the skin” Semalty et al. 2010): 141
- marking-nut tree (*aruṣkara*) see

- marking-nut tree (*bhallātaka*) : 139, 291
- marking-nut tree (*bhallātaka*) *Semecarpus anacarium*, L. See NK: 1, #2269, AVS: 5, 98, ADPS: 85–86, GVDB: 23, 283 : 101, 133, 299
- marsh barbel (*ikṣuraka*) *Hygrophila auriculata* (Schumach.) Heine (syn. *Asteracantha longifolia* (L.) Nees.), GVDB: 42–43 : 198
- medhshingi (*vijayā*-2) *Dolichandrone falcata* (Wall. ex DC.) Seem. The *Sauśrutaniḥṣaṇṭu* gives a number of synonyms for *vijayā* (Suvedī and Tivārī 2000: 5.77, 10.143). But one of them, *viśāṇī* (also *meśaśṛṅgī*), is sometimes equated with *Dolichandrone falcata* (DC.) Seemann (GVDB: 373 f; ADPS: 518, a plant used as an abortifacient and fish poison (NK: #862) : 139
- migraine tree (*agnimantha*) *Premna corymbosa*, Rottl. See AVS 1927, ADPS: 21, NK: 1, #2025, AVS: 4, 348; GJM₁: 523: = *P. integrifolia/serratifolia*, L: 146, 292
- milk-white (*kṣīraśuklā*) An unidentified plant. GVDB: 126: see purple *roscoea* and giant potato : 53, 302
- monkey (?) (*markaṭa*) Singh and Chuneekar (GVDB: 299) said of *markaṭa*, “an unidentified vegetable poison.” Cf. Suvedī and Tivārī 2000: v.36 for synonyms that lead to the non-toxic jujube tree : 142
- muddy (?) (*kardama*) unknown. : 140, 142
- mulberry (*kramuka*) probably the mulberry (*tūda*); see discussion by Singh and Chuneekar (GVDB: 122) : 182
- mulberry (*tūda*) *Morus indica* L., GVDB: 189 : 299
- mung beans (*mudga*) *Phaseolus radiatus* L. GVDB: 310–311 : 105, 108, 216
- mung beans (*māṣaka*) *Phaseolus mungo* Linn. GVDB: 308 : 131
- munj grass (*nārācaka*) *Saccharum bengalense*, Retz.?. See NK: 1, #2184 : 140
- musk mallow (*latākastūrikā*) *Abelmoschus moschatus* Medik., GVDB: 348 : 299
- musk mallow (*ullaka*) *kutki* (*kaṭukā*) or musk mallow (*latākastūrikā*), according to GVDB: 54; I have chosen the latter identity since *A. moschatus* can cause phototoxic dermatitis (Diedrich et al. 2024: 621) : 299
- musk mallow (*ullika*) see musk mallow (*ullaka*) : 139
- myrobalan (*abhayā*) *Terminalia chebula*, Retz. See ADPS: 172, NK: 1, #2451, Potter_{rev}: 214 : 96, 146, 153
- myrobalans (*pathyā*) *Terminalia chebula* Retz. See NK: 1, #2451 : 210
- natron (*suvarcikā*) Sodium carbonate. NK: 2, #45. Ḍalhaṇa identifies *suvarcikā* with *svarjikṣāra* 4.8.50 (Su 1938: 441) : 112, 147, 181
- neem (*picumarda*) see neem tree (*nimba*), GVDB: 247–248 : 197
- neem tree (*nimba*) *Azadirachta indica* A. Juss., GVDB: 226 : 50, 270, 299
- nutgrass (*kuruvindā*) 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. Singh and Chuneekar (GVDB: 108) added that it could be a variety of rice, *ṣaṣṭika dhānya* : 153
- nutgrass (*mustaka*) *Cyperus rotundus*, L. See ADPS: 316, AVS: 2, 296, NK: 1, #782 : 140, 142
- nutgrass (*mustā*) *Cyperus rotundus*, L. See ADPS: 316, AVS: 2, 296, NK: 1, #782 : 299
- odal oil plant (*īṅgudī*) see odal oil plant : 189
- odal oil plant (*īṅgudī*) Kirtikar et al. (K & B: 5, 79) also firmly identify *īṅgudī* as *Sarcostigma kleinii* Wight & Arn., a liana well known in the Western Ghats

- and widely used in āyurveda, including for skin diseases. *Balanites aegyptiaca* (L.) Delile, [GVDB](#): 43 is an African plant and unlikely to be the original āyurvedic *iṅgudi*. : 299
- oleander spurge (*mahāvṛkṣa*) see [oleander spurge](#) (*snuhī*), [GVDB](#): 302-303 : 197
- oleander spurge (*nandā*) see [oleander spurge](#) (*snuhī*), [GVDB](#): 215 : 304
- oleander spurge (*snuhā*) see [oleander spurge](#) (*snuhī*) : 101, 140, 191
- oleander spurge (*snuhī*) *Euphorbia neriifolia*, L., or *E. antiquorum*, L. See [ADPS](#): 448, [AVS](#): 2, 388, [AVS](#): 3, 1, [NK](#): 1, #988, [IGP](#): 457b. Singh and Chuneekar ([GVDB](#): 459) discuss the two varieties distinguished by Caraka on the basis of their spines. *Euphorbia* all share the feature of having a poisonous, latex-like sap : 300, 304
- orchid tree (*kovidāra*) *Bauhinia purpurea* Linn. or *B. variegata* Linn. (probably the former), [GVDB](#): 120, [AVS](#): 1, 256–260. The fruit of *kovidāra* is contrasted with the mango in Patañjali's *Mahābhāṣya* (on P1.2.45, *varttika* 8) : 176
- paddy rice (*śālī*) *Oriza sativa*, Linn. [GVDB](#): 395–396 mentioning 33 Sanskrit sub-variety names; [AVS](#): 4, 193 : 37, 302
- painted uraria (*prṣṇaparṇī*) *Uraria picta* (Jacq.) Desv. ex DC. and *U. lagopoides* DC are both to be used for this plant according to [GVDB](#): 257–258. See also [IHR](#): 188–190 : 192
- pale Java tea (*arjaka*) *Orthosiphon pallidus* Royle ex Benth., [GVDB](#): 24, based on Ḍalhaṇa's descriptions, and by Sharma 1982: 127, #60. But *Ocimum basilicum* L., according to [AVS](#): 4, 160 : 200
- 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 : 146, 295
- peas (*hareṇu*) *Pisum sativum*, L. Singh and Chuneekar ([GVDB](#): 419–420, 467–468) note that two plants are usually meant under this name, but there is no agreement on the identity of the second. Synonym of [peas](#) (*satīna*). [GVDB](#): 468 make an argument for *Symphorema polyandrum* Wight : 106, 146, 147, 153, 182, 210, 300, 301
- peas (*hareṇukā*) see [peas](#) (*hareṇu*) : 200
- peas (*satīna*) see [peas](#) (*hareṇu*), [GVDB](#): 419–420 : 300
- peepul tree (*aśvattha*) *Ficus religiosa*, L. See [ADPS](#): 63. Known to ancient Greek authors (Ball 1888: 338–339) : 156
- periploca of the woods (*meṣaśṛṅga*) *Gymnema sylvestre* (Retz.) R. Br. See [AVS](#): 3, 107, [NK](#): 1, #1173 : 133
- phalsa (*parūṣaka*) *Grewia asiatica* Linn., [GVDB](#): 238 : 78
- plants like asthma plant and Gulf sandmat (*dugdhikā*) synonym of [plants like asthma plant and Gulf sandmat](#) (*kṣīriṇī*), [GVDB](#): 204–205, 127 : 300
- 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) : 295, 300
- plants like asthma plant and Gulf sandmat (*yavaphalā*) synonym of [plants like asthma plant and Gulf sandmat](#) (*dugdhikā*), and [plants like asthma plant and Gulf sandmat](#) (*kṣīriṇī*), q.v., [GVDB](#): 327, 127 : 200
- 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. : [305](#)
- pointed gourd (*paṭola*) *Trichosanthes dioica*, Roxb., [GVDB](#): 232–233 : [106](#), [146](#), [287](#)
- poison-altar (?) (*viṣavedikā*) Unknown. Possibly, at a guess, [strychnine tree](#) (*viṣamuṣṭika*)? [GVDB](#): 373 Or [Indian aconite](#) (*viṣā*) : [139](#)
- pollen (?) (*reṇukā*) An unidentifiable plant. Perhaps a misreading for [peas](#) (*hareṇu*), although this is a long shot. Singh and Chuneekar ([GVDB](#): 339) suggest, on no authority, the synonyms *vṛkṣaruhā*, *māṃsarohiṇī*, or *durvā*, none of which help : [139](#), [295](#)
- pomegranate (*dāḍima*) *Punica granatum* Linn. [GVDB](#): 201–202 : [77](#), [78](#), [111](#), [112](#), [183](#), [192](#)
- pondweed (*paripelavā*) Normally a neuter noun. 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. : [147](#)
- pondweed (*śevāla*) *Zannichellia palustris* L. See [horned pondweed](#) : [35](#)
- pongame oiltree (*karañja*) see [pongame oiltree](#) (*karañjikā*) : [113](#), [192](#)
- pongame oiltree (*karañjikā*) Singh and Chuneekar ([GVDB](#): 74–76) discuss complications, but probably *Pongamia pinnata* (L.) Pierre in *Suśrutasamhitā* 5.6.3 : [198](#), [301](#)
- powdered ruffle lichen (*śaileya*) *Parmotrema perlatum* (Huds.) M.Choisy (1952), although there are some inconsistencies in groups and synonyms. See [GVDB](#): 408–409, [AVS](#): 4, 222–225. The plant has a notably complex taxonomic history : [200](#), [301](#)
- powdered ruffle lichen (*śaileyaka*) see [powdered ruffle lichen](#) (*śaileya*) : [181](#)
- prickly chaff-flower (*apāmārga*) *Achyranthes aspera*, L. See [GVDB](#): 14, [GJM1](#): 524 f, [AVS](#): 1, 39, [ADPS](#): 44 f, [AVS](#): 3, 2066 f, [Dymock](#): 3, 135 : [49](#), [53](#), [105](#), [199](#), [301](#)
- prickly chaff-flower (*vasira*) also *vaśīra*. Perhaps *Achyranthes aspera*, L. [GVDB](#): 362 describes several possible identities, including *sūryāvarta*, [prickly chaff-flower](#) and *markaṭatṛṇa*. See also *vasukavasira* ([GVDB](#): 363) : [78](#)
- prickly-leaved elephant's foot (*gojihvā*) syn. *gojī*. *Elephantopus scaber*, L. See [AVS](#): 2, 357. Singh and Chuneekar ([GVDB](#): 145–146) argue that *gojihvā śāka* is *Launaea asplenifolia* (Willd) Hook. f. (creeping *Launaea*), a plant with Himalayan to SE Asian distribution : [301](#)
- prickly-leaved elephant's foot (*gojī*) Singh and Chuneekar ([GVDB](#): 145–146) observe that this plant name is unique to the *Suśrutasamhitā*. Since the usage is similar to that of [prickly-leaved elephant's foot](#) (*gojihvā*), q.v, it is almost certain to be the same plant. : [198](#)
- products of the wood-apple (*kāpitta*) a reading in the Nepalese MSS for [products of the wood-apple](#) (*kāpittha*), q.v. : [193](#)
- products of the wood-apple (*kāpittha*) relating to or derived from the [wood-apple](#) (*kapittha*) : [301](#)
- purging nut (*dravantī*) *Jatropha curcas*, L. See [AVS](#): 3, 261, [NK](#): 1, #1374. A.k.a. *mūṣikaparnī* : [301](#)
- purging nut (*mūṣikā*) *Jatropha curcas*, L. See [AVS](#): 3, 261, [NK](#): 1, #1374 : [133](#)
- purging nut (*putraśreṇī*) Commonly identified as [croton tree](#) (*nāgadantī*), [GVDB](#): 253 “a variety of [red physic nut](#) (*dantī*).” But it appears in a list with *nāgadantī* at *Suśrutasamhitā* 5.6.3, and *Ḍalhaṇa* identified it there as [purging nut](#) (*dravantī*) : [198](#)

- purging nut tree (*mūṣikakarṇī*) *Jatropha curcas*, L. **AVS**: 3, 261, **NK**: 1, #1374, **GVDB**: 317. **GVDB**: 317; **ADPS**: 23–25 discuss this issue well: 131, 132
- purple calotropis (*arka*) *Calotropis gigantea*, (L.) R. Br. See **ADPS**: 52, **AVS**: 1, 341, **NK**: 1, #427, **Potter**_{rev}: 57, **Chopra IDG**: 305–308: 44, 53, 101, 176, 194, 197
- purple fleabane (*somarājī*) see **scurfy pea** (*bākucī*), but **GVDB**: 455–456 note that two areas of therapy (antitoxin, antileucoderma) may point to two plants being used under this name or a different plant with two active ingredients. A particular candidate is *Baccharoides anthelmintica* (L.) Moench.: 200
- purple roscoea (*kṣīrakākālī*) **GVDB**: 89 notes that many physicians use *Roscoea procera* Wall. in this context. But the identification is uncertain. Possibly connected to **milk-white** or **giant potato**: 105, 295, 299
- pussy willow (*vetasa*) *Salix caprea* L., **GVDB**: 380–381, q.v. for the argument that this is not the same as **rattan** (*vetra*): 302
- pussywillow (*vañjula*) see **pussy willow** (*vetasa*); Singh and Chuneekar (**GVDB**: 356) note that this is a tree in the *nyagrodha* group and has sometimes been equated with **Asoka tree** (*aśoka*) and sometimes with **sandan** (*tiniśa*): 106, 198
- radish (*mūlaka*) *Raphanus sativus*, L. See **NK**: 1, #2098: 110, 140, 142
- rajmahal hemp (*morāṭa*) → *mūrvī*, *Marsdenia tenacissima* (Roxb.) Wight et Arn. Good discussion at **GVDB**: 314–316, 324: 146
- rajmahal hemp (*mūrvā*) *Gongronemopsis tenacissima* (Roxb.) S.Reuss, Liede & Meve (= *Marsdenia tenacissima* (Roxb.) Moon), **GVDB**: 314–316. One of the twenty-two drugs in the group *madanādi*. Singh and Chuneekar and **ADPS**: 310–313 discuss the long controversy about the identity of this plant. *Sansevieria roxburghiana* Schult. & Schult.f. (“Indian bowstring hemp”) was preferred by Meulenbeld (**GJM**: 590) and the sources he cited, including **NK**: 1, #2216, **K & B**: 4, 2457; **ADPS**: 310 mention this identity as being local to Bengal, but note that the plant is not a creeper: 108, 292
- rattan (*vetra*) *Calamus rotang*, L. See **AVS**: 1, 330, **NK**: 1, #413. Singh and Chuneekar (**GVDB**: 381) prefer *C. tenuis*, Roxb., which is also native to S. and S.E. Asia: 302
- realgar (*manahṣilā*) *Arsenii disulphidium* **NK**: 2, #11: 210
- red gourd (*bimbī*) *Coccinia indica*, W. & A. See **PVS** 1994.4.715; **NK**: 1, #534: 130
- red ochre (*gairika*) Hellwig 2009: 140–141. **NK**: 2, #40; the same source, at #6, gives kaoolinum or china clay: 147, 181, 183, 200, 210, 211
- red physic nut (*dantī*) *Baliospermum solanifolium* (Burm.) Suresh, **GVDB**: 200: 99, 140, 192, 198, 301
- resin of white dammer tree (*sarjarasa*) **GVDB**: 424–425. See **white dammer tree** (*sarja*): 108, 200
- rice grains (*taṇḍula*) *Oriza sativa*, Linn. Same as **paddy rice** (*śālī*) **GVDB**: 174; or just “grains”: 37
- rice-grain chaff (*śālitaṇḍulakāṇḍana*) See **chaff**: 36
- rock salt (*saindhava*) See **NK**: 2, M#48, **WattComm**: 963–971: 36, 77, 112, 181, 210, 288
- rosha grass (*dhyāmaka*) *Cymbopogon martinii* (Roxb.) Wats. See **AVS**: 2, 285, **NK**: 1, #177: 147, 181, 200
- royal jasmine (*mālatī*) *Jasminum grandiflorum*, L. See **NK**: 1, #1364, **ADPS**: 285–288: 131, 303

- royal jasmine (*sumanā*) see royal jasmine (*mālatī*), [GVDB](#): 437 : 200
- sacred lotus (*kamala*) *Nelumbo nucifera*, Gaertn., [GVDB](#): 73–74, [Dutt](#): 110, [NK](#): 1, #1698 : 298, 303
- sacred lotus (*padma*) see sacred lotus (*kamala*), [GVDB](#): 235–236 : 35, 106, 131, 200, 307
- saffron (*bāhlīka*) syn. of saffron (*kuṅkuma*), q.v., [GVDB](#): 273–274 : 198
- saffron (*kuṅkuma*) *Crocus sativus* Linn., [GVDB](#): 100 : 192, 303
- sage-leaved alangium (*aṅkolla*) *Alangium salvifolium* (Linn. f.) Wang., [GVDB](#): 5–6. See also [AVS](#): 1, 77; cf. [NK](#): 1, #88 : 130, 183, 190, 192, 303
- sage-leaved alangium (*aṅkoṭha*) see sage-leaved alangium (*aṅkolla*) : 197
- 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 : 78
- sal tree (*śālā*) *Shorea robusta*, Gaertn. f. See [AVS](#): 5, 124 : 210
- sandalwood (*candana*) *Santalum album*, L. See [ADPS](#): 111, [NK](#): 1, #2217. See [GVDB](#): 152–153 for discussion of types, including white and red (*Pterocarpus santalinus* (L.f.)) : 79, 106, 108, 147, 176, 182, 200, 307
- sandan (*tiniśa*) *Ougeinia oojeinensis* (Roxb.) Hochr. [GVDB](#): 181, q.v. for discussion about whether *tiniśa* and *syandana* are to be separated. If other trees are in the frame for either name, Singh and Chuneekar ([GVDB](#)) suggest *Lagerstroemeia parviflora* Roxb. (*sidhraka/siddhaka*) and *L. flos-reginae* Retz. (*jārula* by some). See [GVDB](#): 432 : 197, 200, 302
- sappanwood (*pattāṅga*) Also *pattariga*. *Caesalpinia sappan*, L. [AVS](#): 1, 323, [K & B](#): 2, 847 f, [GVDB](#): 234 : 44, 54
- scarlet mallow (*bandhujīva*) *Pentapetes phoenicea*, L. [NK](#): #1836, [GVDB](#): 268 : 132
- scented pavonia (*bālaka*) *Pavonia odorata*, Willd. See [ADPS](#): 498, [NK](#): 1, #1822 : 147
- scented pavonia (*toya*) → *bālaka*? *Pavonia odorata*, Willd. [ADPS](#): 498, [NK](#): 1, #1822 : 200
- scramberry (*tālīsapatra*) see [scramberry](#) (*tālīśa*) : 200
- scramberry (*tālīśa*) 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*) : 106, 211, 303
- screwpine (*ketaka*) *Pandanus tectorius* Parkinson ex Du Roi, [GVDB](#): 116 : 286
- scurfy pea (*bākucī*) Identified as *Cullen corylifolia* (L.) Medik. [ADPS](#): 69–70, [GVDB](#): 272 : 302
- scutch grass (*dūrvā*) *Cynodon dactylon* (Linn.) Pers., [GVDB](#): 205 : 294, 303
- scutch grass (*granthilā*) see [scutch grass](#) (*dūrvā*), [Mahākośa](#): 1, 303, citing the *Rājanighaṇṭu*. It should be an aromatic in this context. Monier-Williams et al.: 371 said “two kinds of *Dūrvā* grass and of a kind of *Cyperus*” on lexical authority, perhaps also the *Rājanighaṇṭu* where it is listed amongst sweet-smelling plants. Other sources identify it as *Cissus quadrangularis*, L., i.e., Veltd grape (Ś. Gupta 1887: 272), or [Bengal quince](#) (*bilva*) : 200
- sedge (*kuṭannaṭa*) → *plava*, *tagara*, or *śyonāka*, according to commentators ([GVDB](#): 102–103). Singh and Chuneekar leans towards the *plava*, but that plant too is difficult to identify. Various sources identify *kuṭannaṭa* as *Cyperus rotundus* L., *C. scariosus* R. Br., *Oroxylum indicum* (L.) Benth. ex Kurz (= *Bignonia Indica* L.) or even

- Cinnamomum verum J.Presl. The Cyperus genus comprises about 700 species of sedges, and I have chosen “sedge” as a generic indication of the likely identity of this plant: [181](#), [304](#)
sedge (*kuṭannaṭā*) see [sedge](#) (*kuṭannaṭa*): [200](#)
sesame (*tila*) Sesamum indicum L.
[GVDB](#): 183. Known to ancient Greek authors (Ball [1888](#): 344): [200](#), [201](#)
sesame oil (*taila*) Sesamum indicum L.
[GVDB](#): 183: [53](#), [176](#)
shami tree (*śamī*) Prosopis cineraria (L.) Druce [GVDB](#): 390: [197](#), [288](#)
sheep (*urabhra*) Ovis orientalis, Gmelin?. See [BIA](#) 249: [205](#)
silk-cotton tree (*śālmālī*) Bombax malabarica. See [Issar](#): 152: [200](#)
siris (*śirīṣa*) Albizia lebbeck, Benth. See [AVS](#): 1, 81, [NK](#): 1, #91, [GVDB](#): 399–400. Cf. [white siris](#): [146](#), [176](#), [189–193](#), [199](#), [200](#), [210](#), [307](#)
siris seeds (*śirīṣamāṣaka*) Albizia lebbeck, Benth. See [AVS](#): 1, 81, [NK](#): 1, #91: [130](#), [191](#)
small-flowered crape myrtle (*sidhraka*) Lagerstroemia parviflora Roxb., [GVDB](#): 432: [152](#)
smooth angelica (*coraka*) Angelica glauca Edgw. [GVDB](#): 161. Distribution: Afghanistan, Himalaya, western Tibet ([POWO](#)). Edgeworth even recorded the indigenous name “chura” (Edgeworth [1851](#): 53): [183](#), [198](#), [304](#)
smooth angelica (*taskara*) see [smooth angelica](#) (*coraka*), [GVDB](#): 176: [200](#)
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): [138](#)
spikenard (*jaṭā*) see [spikenard](#) (*jaṭāmāṁsī*): [191](#), [200](#)
spikenard (*jaṭāmāṁsī*) Nardostachys jatamansi (D.Don) DC, [GVDB](#): 163. See also [NK](#): 1, #1691. Known to ancient Greek authors (Ball [1888](#): 343–344): [304](#)
spikenard (*māṁsī*) see [spikenard](#) (*jaṭāmāṁsī*): [147](#), [182](#), [200](#)
spikenard (*nalada*) see [spikenard](#) (*jaṭāmāṁsī*): [128](#), [182](#), [200](#)
spiny bitter gourd (*karkāruka*) Momordica cochinchinensis (Lour.) Spreng., (Thunb.) Cogn. See [AVS](#): 2, 1135, [IGP](#) 754 (or Beninkasa hispida? [AVS](#): 2, 1127; cf. [AVS](#): 1, 261). M cochinchinensis has poisonous seeds ([NEH](#): 279): [292](#)
spurge (?) (*nandanā*) an unknown poisonous plant, a.k.a. (equally obscurely) *udīmānaka*, [GVDB](#): 215 (where it is m.). Perhaps a synonym of [oleander spurge](#) (*snuhī*), like [oleander spurge](#) (*nandā*): [139](#)
spurge (*saptalā*) Singh and Chuneekar ([GVDB](#): 421–422) discuss the four candidates for this plant, three of which are Euphorbias: [110](#), [183](#)
strychnine tree (*viṣamuṣṭika*) Strychnos nux vomica Linn., [GVDB](#): 373: [301](#)
sugar (*sitā*) Ḍalhaṇa makes this equation at 1.37.25 ([Su](#) [1938](#): 162): [147](#), [182](#)
sugar (*śarkara*) Saccharum officinarum, Linn. [NK](#): #2182: [134](#)
sugar cane (*ikṣu*) Saccharum officinarum, Linn. [NK](#): #2182: [134](#)
sunflower (*sūryavallī*) → *ādityavallī*, *sūryamukhī*, Helianthus annuus Linn. [GVDB](#): 35, 443: [146](#)
sweet flag (*vacā*) Acorus calamus Linn. See [GVDB](#): 352–355: [105](#), [112](#), [198](#)
sweet plants (*madhuravarga*) The sweet plants are enumerated at *Suśrutasaṁhitā* 1.42.11. See also [GVDB](#): 127: [53](#)
sweet-scented oleander (*aśvamāraka*) Nerium oleander, L. See [ADPS](#): 223, [NK](#): 1, #1709, [GVDB](#): 77, which

- discusses the white and red forms : 138
- teak (*śāka*) *Tectona grandis*, L.f. See [AVS](#): 5, 245, ([MW](#): 1061) : 197
- Tellicherry bark (*kuṭaja*) *Holarrhena pubescens* Wall. ex G.Don, with *Wrightia tinctoria* and *W. arborea* considered [GVDB](#): 101–102, [ADPS](#): 267–270 : 101, 197, 291
- ten roots (*daśamūla*) Described at *Suśrutasaṃhitā* 1.38.70–71 ([Su](#) 1938: 169) as a combination of the [lesser five roots](#) and the [greater five roots](#) : 291
- the three myrobalans (*triphālā*) [chebulic myrobalan](#) [beleric myrobalan](#) and [emblic myrobalan](#) (*haritakī bibhītaka* and *āmalaka*) One of the most-often mentioned drugs in the *Bṛhatrayī* [GVDB](#): 194–196 : 99, 181, 182, 191, 192, 287
- the three pungent drugs (*kaṭutrika*) see the [three pungent drugs](#) (*trikaṭu*) : 193, 200
- the three pungent drugs (*trikaṭu*) [dried ginger](#), [long pepper](#), and [black pepper](#) (*śuṇṭhī*, *pippalī*, and *marica*) [GVDB](#): 193 : 181, 305
- the three pungent drugs (*vyoṣa*) see the [three pungent drugs](#) (*trikaṭu*), [GVDB](#): 382–383 : 192
- the two types of clitoria (*śvete*) see [white clitoria](#) (*śvetā*) : 200
- the two types of turmeric (*haridre*) see [turmeric](#) (*haridrā*) and [Indian barberry](#) (*dāruharidrā*), [GVDB](#): 465–466 : 200
- 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) : 139, 140, 287, 301
- 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 : 79, 146
- three-leaved caper (*varuṇa*) *Crataeva magna* (Lour.) DC. See [AVS](#): 2, 202; cf. [NK](#): 1, #696 : 133, 183, 198, 305
- three-leaved caper (*varuṇaka*) see [three-leaved caper](#) (*varuṇa*) : 200
- toothed-leaf limonia (*surasī*) *Naringi crenulata* (Roxb.) Nicolson (formerly *Limonia crenulata* Roxb.), [GVDB](#): 439 : 182, 200
- top layer of fermented liquor (*surāmaṇḍa*) [K & B](#): 2, 502, [NK](#): 2, appendix VI, #49, [McHugh](#) 2021: 39 : 51, 52
- tree cotton (*kārpāsa*) *Gossypium arboreum* L. [ADPS](#): 231, *pace* the identifications of Singh and Chuneekar ([GVDB](#): 92, 247), since *G. barbadense* L. is native to South America and *G. herbaceum* L. is native to Africa : 50, 305
- tree cotton (*picu*) See [tree cotton](#) (*kārpāsa*) : 52, 54
- tree of heaven (*arala*) probably *Alianthus excelsa* Roxb., [GVDB](#): 21–22 : 197
- turmeric (*gaurī*) *Curcuma longa*, L. See [ADPS](#): 169, [AVS](#): 2, 259, [NK](#): 1, #750 : 106
- turmeric (*haridrā*) *Curcuma longa* Linn. [GVDB](#): 465 : 107, 146, 153, 181, 305
- turmeric (*rajanī*) *Curcuma longa*, L. [ADPS](#): 169, [AVS](#): 2, 259, [NK](#): 1, #750 : 36, 147, 182, 192
- turpeth (*trivṛt*) → *trvrtā*. *Operculina turpethum* (Linn.) Silva Manso = *Ipomoea turpethum* R. Br. [GVDB](#): 197. : 99, 134, 181, 272, 287
- turpeth (*trvṛt*) The common spelling in Nepalese MSS of *trivṛt* : 192
- two kinds of salt (*vasukavasira*) See the discussion by 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*) : 77
- unknown fruit poison (*veṇuka*) see [unknown fruit poison](#) (*veṇukā*) : 139
- unknown fruit poison (*veṇukā*) Bambusa bambos, Druce?. See NK: 1, #307, [GVDB](#): 380. The Nepalese transmission has the m. *veṇuka*, not the f. *veṇukā* Singh and Chuneekar ([GVDB](#): 380) note that this is an unknown fruit-poison : 306
- velvet bean (*svayamguptā*) Mucuna pruriens (L.) DC., [GVDB](#): 461, who say that the plant is known in the *Carakasamhitā* but not the *Suśrutasamhitā* : 210, 306
- velvet bean (*ārṣabhī*) see [velvet bean](#) (*ṛṣabhī*) and [velvet bean](#) (*svayamguptā*). *Mahākośa*: 1, 94, citing the *Rājanighaṇṭu* 3.50, 201 : 190
- velvet bean (*ṛṣabhī*) see [velvet bean](#) (*svayamguptā*), [MW](#): 226, [GVDB](#): 56 : 306
- velvet-leaf (*pāṭhā*) Cissampelos pariera, L. See [ADPS](#): 366, NK: 1, #592, [GJM1](#): 573, [AVS](#): 1, 95; cf. [AVS](#): 2, 277 : 44, 79, 96, 112, 146, 181, 182, 293
- velvet-mite (*indragopa*) Kerria lacca (Kerr.). Lienhard 1978 : 129
- verbena (*bhārgī*) see [verbena](#) (*bhārgī*) : 182, 200
- verbena (*bhārgī*) → phaṇḍī.
Clerodendrum serratum (L.) Moon or C. serratum; see [AVS](#): 2, 121, [ADPS](#): 87 : 306
- verbena (*phaṇḍī*) Clerodendrum serratum, L. See [AVS](#): 2, 121, [ADPS](#): 87 : 132
- vetiver (*uśīra*) Chrysopogon zizanioides (L.) Roberty, also called “khus.” NK: 1, #180, [GVDB](#): 54 identify it as vetiver : 78, 131, 176, 306
- vetiver and lemon grass (?) (*uśīre*) “the two uśīras,” perhaps [vetiver](#) (*uśīra*) and [lemon grass](#) (*uśīrabheda*) : 200
- viburnum (*tilva*) see [viburnum](#) (*tilvaka*) : 192
- viburnum (*tilvaka*) Viburnum nervosum D.Don. In their thoughtful article, Singh and Chuneekar ([GVDB](#): 185–186) separate *tilvaka* from *lodhra*, a conflation they attribute to Ḍṛḍhabala. They identify V. nervosum because of its use under a similar local name in Garhwal and Gangotri and the match with its purging properties mentioned in ayurvedic literature. [AVS](#): 5, 219 makes the same separation, noting that in Kerala the plant Jatropha curcas L. is used. But that is a native of the new world. Cf. many Viburnum varieties listed by Griffiths ([IGP](#): 1200 ff.). [POWO](#) confirms that V. nervosum has an appropriate Himalayan distribution. *Tilvaka* is also sometimes wrongly considered to be a synonym of [long-stamen Wendlandia](#) (?) (*tilaka*), [GVDB](#): 185–186 : 99, 198, 298, 306
- viburnum extract (*tailvaka*) see [viburnum](#) (*tilvaka*), [GVDB](#): 185, also a ghee compound of [viburnum](#) (*tilvaka*) : 210
- ‘Virāṭa’s plant’ (*vairāṭaka*) unknown. See ? : 140, 142
- water snowflake (?) (*kumudavati*) see [water snowflake](#) (?) (*kumudavati*) : 140
- water snowflake (?) (*kumudavati*) This is an unidentifiable plant whose name means, etymologically, “with lilies.” [MW](#): 292 gives Nymphoides indica (L.) Kuntze (formerly Villarsia indica) on no authority; I have used the common name of N. indica as a possibility, but this is not known to be poisonous; on the contrary, it is used medicinally (Khan et al. 2018). N. indica is illustrated on p. 6 of the Voynich manuscript. Khan et al. (2018) assert that this is the same plant as *tagara*, although this is not a widely-held view (see [crape jasmine](#) (*tagara*)) : 139, 290, 306
- watered buttermilk (*udaśvit*) [MW](#): 183 : 130

- weaver's beam tree (*mokṣaka*) see [weaver's beam tree](#) (*muṣkaka*) : 307
- weaver's beam tree (*muṣkaka*) Schrebera swietenoides, Roxb. See [AVS](#): 5, 88, Lord, [NK](#): 1, #2246, [GVDB](#): 242–243 : 101, 152, 307
- weaver's beam tree (*pāṭalī*) usually a synonym for [crimson trumpet-flower tree](#) (*pāṭalā*), but Singh and Chuneekar ([GVDB](#): 242–243) argue that it is [weaver's beam tree](#) (*mokṣaka*) because some authors distinguish two colours (unlike *pāṭalā*) : 101, 197, 200
- weaver's beam tree (*viśalyā*) Schrebera swietenoides Roxb. ← *kuberākṣī*. 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 *agniśikhā* tree, all of which may be called *śvetamokṣaka* or *kuberākṣī* : 181
- weevil wort (*tālamūlikā*) [GVDB](#): 178–179 : 307
- weevil wort (*tālapatrī*) → *tālamūlikā*, [weevil wort](#), q.v. [GVDB](#): 178 : 183
- white babool (*arimeda*) Acacia leucophloea, (Roxb.) Willd. See [AVS](#): 1, 23 : 44, 198
- white calotropis (*alarka*) Calotropis procera, (Ait.) R. Br. See [NK](#): 1, #428, [Chopra](#): 46b, [Chopra IDG](#): 305–308 : 53
- white clitoria (*śvetā*) Clitoria ternatea, L. See [AVS](#): 2, 129, [NK](#): 1, #621. [GVDB](#): 416–417 notes that there are two types, *kṣudrā* (white, according to Ḍalhaṇa) and *mahā* (blue, according to Ḍalhaṇa). Sometimes given as a synonym for [winged-stem canscora](#), but sometimes as a contrasting plant : 131, 182, 191, 194, 199, 305
- white cutch tree (*somavalka*) Acacia polyacantha, Willd. See [AVS](#): 1, 30, [IGP](#) 7, [GJM1](#): 602, [AVS](#): 2, 935; *pace* [NK](#): 1, #1038 : 132, 152
- white dammer tree (*sarja*) *Vateria indica*, L. See [NK](#): 1, #2571, [AVS](#): 5, 349 f, [AVS](#): 1, 292 f, [Chopra](#): 253a. Singh and Chuneekar ([GVDB](#): 424) discussed whether this term might be broadened to any resinous tree and decided against : 44, 77, 302, 307
- white dammer tree (*sarjja*) see [white dammer tree](#) (*sarja*) : 197
- white lotus (*punḍarīka*) see [sacred lotus](#) (*padma*), [GVDB](#): 252 : 142
- white sandalwood (*bhadraśrīya*) *Santalum album* Linn. See [white sandalwood](#) (*bhadraśrī*) : 106, 200
- 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* : 79, 307
- white siris (?) (*kapitana*) Singh and Chuneekar ([GVDB](#): 72–73) note that this stands for at least two plants, milky and non-milky. For the latter type, they propose *Albizia procera* (Roxb.) Benth., *Thespesia* (hibiscus-like, but not endemic to S. Asia) or *Spondias* (cashew). Six different identifications are made by Monier-Williams et al. ([MW](#): 251), without authority : 197
- white siris (*kaṭabhī*) *Albizia procera* (Roxb.) Benth. or *A. lebbeck* (Linn.) Benth. [GVDB](#): 63–64, [AVS](#): 1, 81–84. Cf. *siris* : 176, 304
- white siris (*kiṇīhī*) *Albizia procera* (Roxb.) Benth., [GVDB](#): 98, which also discusses past confusions; [NK](#): 1, #93 : 146, 182
- white teak (*kāśmarī*) → *kāśmarī* : 211
- white teak (*kāśmarya*) see [white teak](#) (*kāśmarī*) : 200
- white teak (*kāśmaryā*) see [white teak](#) (*kāśmarī*) : 78
- white teak (*kāśmarī*) → *kāśmarya*, *kāśmarī*, *madhuparṇī*. Gmelina arborea, Roxb. See [GJM1](#): 543, [Trees](#): 51, [ADPS](#): 240, [GVDB](#): 96–97 : 106, 108, 292, 307

- white teak (*madhuparnī*) → *kāśmarī* : 77
- white water-lily (*kumuda*) *Nymphaea alba*, Linn., *GVDB*: 105 : 35, 200, 291
- wild asparagus (*bahuputrā*) *Asparagus racemosus*, Willd. See further [wild asparagus](#) (*śatāvarī*) Possibly a syn. for *nandana*. The bark of wild asparagus is toxic : 132
- 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 : 104–106, 108, 216, 308
- wild celery (*agnika*) → may be *bhallātaka*, *lāṅgalī*, *ajamodā*, *moraṭa*, or *agnimantha*, *GVDB*: 4. Uncertain A plant often cited in *Suśrutasaṃhitā*, but rarely in *Carakasaṃhitā* (*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) : 146, 308
- wild celery (*ajamodā*) *Apium graveolens*, L. Sometimes identified with *agnika* ([wild celery](#)), q.v. : 146, 181
- wild Himalayan cherry (*padmaka*) *Prunus cerasoides* D.Don, *GVDB*: 236, *AVS*: 4, 353–355. *MW*: 585 is wide of the mark : 106–108, 181, 182, 200
- 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 : 112
- wild spider flower (*tailaparnika*) see [wild spider flower](#) : 200
- wild spider flower (*tilaparnī*) *Cleome gynandra* L., *GVDB*: 184–185, but see the discussion of the other drug plants sometimes intended by this name : 308
- wild sugar cane (*kāṇḍekṣu*) *Saccharum spontaneum* L., *GVDB*: 90 : 77
- winged-stem canscora (*giriḥvā*) see [winged-stem canscora](#) (*girikarṇikā*) : 182
- winged-stem canscora (*girikarṇikā*) sometimes → *śvetā*, in which case possibly *Clitoria ternatea*, L., see *AVS*: 2, 129, *NK*: 1, #621. Since *śvetā* and *giriḥvā* are cited as separate constituents of one formula (e.g., *Suśrutasaṃhitā* 5.5.75 (*Su 1938*: 579) they cannot be the same plant. *GVDB*: 138–139 argued for *Symphorema polyandrum* Wight, which they also assigned to *sinduvāra*. When discussing *śaṅkhapuṣpī*, another possible synonym, Sivarajan and Balachandran (*ADPS*: 425–427) also suggest *Canscora alata* (Roth) Wall. (syn of *Canscora decussata* Schultes & Schultes f.) and *Convolvulus pluricaulis* Choisy. The former has a more appropriate distribution and is chosen here : 308
- winged-stem canscora (*giryāhvā*) see [winged-stem canscora](#) (*girikarṇikā*) : 307
- Withania* (*aśvagandhā*) *Withania somnifera* (L.) Dunal. See *AVS*: 5, 409 f, *Dymock*: 2, 566 f, 150, *GVDB*: 29, *Chevillard*: 152 : 53, 100, 107, 182
- wood-apple (*kapittha*) *Limonia acidissima*, L. See *AVS*: 3, 327, *NK*: 1, #1021 : 107, 131, 133, 183, 192, 193, 197, 210, 301
- woody turmeric (*kāleyaka*) *Coscinium fenestratum* (Goetgh.) Colebr., *GVDB*: 95. See V. K. Gupta et al. 2015: 173–175 : 200
- woody-fruited jujube (*gopaghoṇṭā*) *Ziziphus xylopyra* (Retz.) Willd. *GVDB*: 147 → *ghoṇṭā* : 198
- yellow-berried nightshade (*kaṇṭakārī*) *Solanum virginianum* L. (syn. *Solanum surattense* Burm. f. and *Solanum*

xanthocarpum, Schrad. & Wendl.)
 GVDB: 68–69. See also IHR: 430. A
 component of lesser five roots : 297, 309
 yellow-berried nightshade (*kṣudrā*) see

yellow-berried nightshade (*kaṇṭakārī*),
 ADPS: 100, NK: 1, #2329, AVS: 5, 164 :
 146, 147

Fauna

arala rat (*arala-animal*) a hapax legomenon
 in Sanskrit, probably a Dravidian loan
 word or cognate from forms like Pengo,
 Maṇḍa, Kuwi etc., *orli*, *urli*, etc.,
 DED₂: #994 : 188, 190, 191

bad-marked rat (*kuliṅga*) etymologically,
 “having bad-marks” MW: 286, but
 unidentifiable : 188, 191

beaked (*tuṇḍikerī*) neologism insect-name
 based on the etymology of *tuṇḍa*.
 Probably *tuṇḍikera* and *tuṇḍicela* are
 variants of the same lexeme. *tuṇḍa* is
 “Nicht überzeugend erklärt” according
 to Mayrhofer (EWA: 1, 653), who refers
 to a possible non-Indo-European origin
 (ibid. v. 3, 249 on *tundikā*, *tundikerī*
 refers to plants only). But Burrow
 1971: 544 derived the term plausibly
 from \sqrt{tud} “peck” : 205

black drongo (*dhūmyāṭa*) Dicrurus
 adsimilis, Bechstein, Dave 1985: 63, 65,
 199 : 128

black rat (*kṛṣṇa*) perhaps the widespread
 Black Rat or Common House Rat,
 Rattus Rattus L., BIA: 210 : 188, 190

brown rat (*kapila-animal*) name from
 etymology; unidentified; see tawny rat
 (*aruṇa*) : 188, 191

bull (*vṛṣabha*) MW: 1012, etc. Bos taurus,
 Linn. : 128

chital deer (*pr̥ṣata*) Axis axis, Erxleben.
 BIA: 295–296. In *Suśrutasaṃhitā* 5.5.71
 (Su 1938: 579) it seems to be specifically
 the musk that is meant. so the reference
 may be to the Musk Deer (Moschus
 moschiferus L.). But all species
 produce musk, so *pr̥ṣata* may also be

simply Chital or Spotted Deer. See also
 IW: 93 : 128, 134, 182

chukar partridge (*cakora*) Alectoris chukar,
 J. E. Gray, Woodcock 1980: 45,
 distributed from NW India to Nepal
 and Assam : 128

civet (*mārjāra*) BIA: ch. 4 *et passim*,
 McHugh 2012 : 182

common crane (*kroñca*) Grus grus, Linn.,
 Woodcock 1980: 47, Dave 1985: ch. 62 :
 128

fidgety rat (*capala*) from the etymology of
 the word. Unidentifiable mouse or rat.
 It is probably too much of a stretch to
 connect it with Dravidian forms like
 Kui *superi* “shrew-mouse”,
 DED₂: #2675 : 188, 191

fondling rat (*lālana*) based on etymology.
 An unknown rat or mouse : 188, 189

gajpipul rat (*vasira-animal*) unknown type
 of rat or mouse. “*Vasira*,” equated with
gajapippalī is usually the name of the
 liana Scindapsus officinalis (Roxb.)
 Schott (GVDB: 132, 362) (see *gajpipul*
 (*gajapippalī*)). Lianas are known for
 providing a habitat for many arboreal
 animals, including rodents. The vulgate
Suśrutasaṃhitā reads *haṃsira* as the
 name of this rat : 188, 190

grey peacock-pheasant (*jīvajīvaka*)
 Polyplectron bicalcaratum, Linn., Dave
 1985: 270, 273, 274, 281 : 128

hill myna (*sārikā*) Acridotheres tristis
 tristis, L., etc. See Ali and Ripley
 1983: #1006, Dave (1985: 28 ff.),
 Woodcock (1980: 119) : 128

horned (*śṛṅgī*) unknown, based on

- etymology : 205
- house shrew (*chuchundara*) *Suncus murinus* (Linnaeus, 1766), [Wikipedia](#), [BIA](#): 168–169 and plate 38. Probably a Dravidian loan word related to Tamil *cunṭaṇ*, “grey musk shrew,” see [DED₂](#): #2661 and [CDIAL](#): #5053 : 188, 190
- hundred-kulimbhaka (*śatakulimbhaka*) unknown insect class. Perhaps centipedes : 205
- iguana (*godheraka*) The गौधेरक is described in the *Carakasamhitā* as a four-legged snake born of a [Indian monitor lizard](#) that is similar to a black snake and has several species (6.23.134 ([Ca 1941](#): 577)). [CDIAL](#): 1, #4286 identifies this as an iguana : 205, 310
- Indian monitor lizard (*godhā*) *Varanus bengalensis* (Daudin, 1802), [Reptiles](#): 58–60, ill. : 53, 134, 310
- Indian peafowl (*mayūra*) *Pavo cristatus*, Linn., Woodcock 1980: 39 : 128
- invincible rat (*ajita*) etymological meaning; unidentifiable : 188, 191
- koel (*kokila*) *Eudynamys scolopaceus*, Linn., [Wikipedia](#), Woodcock 1980: 66 : 128
- lac (*lākṣā*) *Kerria lacca* (Kerr.). See [GJM1](#): 445, [NK](#): 2, #32, Varshney 2000. Watt ([WattComm](#): 1053–1066) is characteristically informative, and is definite about the antiquity of lac in India : 153, 182, 200
- large Brown rat (*mahākapila*) from the etymology of the name, “large brown,” perhaps a bandicoot : 191
- large gecko (*galagoḍikā*) A poisonous insect, amphibian or reptile described in *Suśrutasaṃhitā* 5.8.29 ([Su 1938](#): 588) as a biting creature that may be white, black, with red stripes or rings or spotted. It is described just after the [iguanas](#) (*godheraka*) and before centipedes. The name is unstable, e.g., गलगोलिका, गलदोडी, गलगोली. Cf. the remarks on geckos in note 474, p. 150. The similarity of names suggests that a गलगोडिका may be a non-domestic creature that looks similar to a domestic gecko. Cf. other IA parallels at [CDIAL](#): 1, #4324, 4431, which point to a Dravidian origin for the lexeme ([DED₂](#): #1125) and suggests “iguana.” The tokay gecko (*Gekko gecko* (Linnaeus, 1758)) is a large gecko endemic to South Asia having a blue-gray skin with red or orange spots and speckles that may change according to its environment like a chameleon. Tokay geckos, especially males, are aggressive and territorial and can inflict a strong bite. However, many agamids and skinks are also endemic to South Asia, and have markings that could match the description of the *Suśrutasaṃhitā*. See further [IW](#): 40, 135–136; Deuti 2020 : 82
- lentil insect (*masūrika-insect*) usually the name of a lentil or the “lentil disease,” namely smallpox. But here, an insect : 205
- little rat (*cikkira*) likely related to the Tulu “cikkeli, a small variety of mouse,” and other Dravidian works related to Tamil *cikka* “small,” [DED₂](#): #2495. See also [CDIAL](#): #4779 on *cikka* “mouse or muskrat,” from lexical sources, and #4781 *cikkā* “small” from Drav., Burrow 1948: #141 : 188, 190
- mole-rat (*kokila-animal*) *Bandicota bengalensis* (Gray & Hardwicke). Etymologically, “brown as a Kokila”. [CDIAL](#): #4324 relates *kokila* to *golaka* but it may more likely be a Dravidian loanword from *koko*, *kogi*, *koki*, meaning “small, little, young” [DED₂](#): 2030. This is possibly supported by Kannada *kok* and Telugu *golatta*, *koku* for the mole-rat, reported by Prater

- (BIA: 205) : 188, 191
- mongoose (*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 IW: 112; BIA: 98–99 : 134, 182
- parakeet (*śuka*) *Psittacula krameri*, Scopoli (or *P. eupatria* or *cyancephala*), See Woodcock 1980: 64 : 128, 192
- pigeon rat (*kapota-animal*) a rat “like a pigeon;” presumably of grey colour : 188, 191
- racket-tailed drongo (*bhṛṅgarāja*) *Dicrurus paradiseus*, Linn., Woodcock 1980: 123 : 128
- rat (*unduru*) Also *undura* or *indūra* in some sources, including the vulgate. A common name for a rat or mouse in many S. Asian languages from Prakrit to contemporary, CDIAL: #2095, Menon 2014, where it is called “house mouse” : 188, 191
- red-toothed shrew (*kaṣāyadanta*) see red-toothed shrew (*kaṣāyadaśana*) : 191
- red-toothed shrew (*kaṣāyadaśana*) from the etymology of the word. Shrews in the genus *Sorex* (as well as others in the subfamily *Soricinae*) have red-pigmented teeth. Species in South Asia include Hodgson’s brown-toothed shrew (*Episoriculus caudatus*), the Himalayan water shrew (*Chimarrogale himalayica*), the Assam mole shrew (*Anourosoricini assamensis*) and the Giant mole shrew (*A. schmidi*) : 188, 311
- river dolphin (*śiśumāra*) *Platanista gangetica* (Lebeck), BIA: 313–314, plate on p. 289, MW: 1076 : 201
- sonny rat (*putraka*) unidentified mouse or rat. Perhaps related to Dravidian forms like Pengo *puṭki*, DED₂: #4257 (itself perhaps just a form related to Tamil *poṭi* “little”) : 188, 189
- swan (*haṁsa*) *Cygnus olor*, Gmelin, Dave 1985: ch. 84. As Dave says, “a generic term for a large part of the Anatidae family” including Swans, Geese, Ducks and Teals. The term needs to be translated variously according to the geographical context of the usage. In the Himalayan region, “swan” is appropriate, but in more southerly peninsular India, “goose” is more likely. The dogmatism of Vogel 1962 is based on mainly southern observations and temple carvings. The discussion by Dave 1985 is nuanced and accurate : 128
- sweet hoof (*nakha*) *Unguis odoratus* or *Onycha*, McHugh 2013, from which I adopt the name “sweet hoof.” See especially McHugh’s very interesting discussion about translating this term, pp. 56 ff. See also MW: 524 (on no authority) : 200
- tawny rat (*aruṇa*) from the etymology of the word, perhaps *Rattus norvegicus* (Berkenhout, 1769), which is large, brown and common (it originated in central Asia and (likely) China, not Norway), and perhaps distinguishing it from the “large” ?? : 188, 191, 192, 309
- tortoise (*kūrma*) Perhaps *Geochelone elegans* (Schoepff), Reptiles: 30 and plate, MW: 1076 : 201
- tyalpavāca (*tyalpavāca*) unidentified insect; possibly a wrong reading : 205
- uccitinga (*uccitīṅga*) unidentified insect (unlikely: a crab, MW: 173) : 205
- uṇḍu-navel (*uṇḍunābha*) unknown. Etymologically, an insect with an *uṇḍu* for a navel. Conjecturally, perhaps *uṇḍu* is a loan from Tamil *antu* “small grey-winged insect found in stored paddy” (DED₂: #150). The vulgate of the *Suśrutasaṃhitā* reads *kumbhī-nāsa* “pot-nose” in place of this lexeme : 205
- vicitīṅga (*vicitīṅga*) unidentified insect (not in MW) : 205

white rat (*śveta-animal*) from the etymology, perhaps the *Mus musculus*, L., although strictly, they are agouti not white. The whitetailed wood rat

(*Madromys blanfordi*, Thomas) is brown but has a distinctive white end to its tail : 188, 191

Minerals

ashes (*bhasma*) ashes, corrosive when wet : 140

cuttle-fish bone (?) (*phenāśma*) Hapax legomenon. Etymologically “foam-stone”. Perhaps cuttlefish bone, or pumice (see Byrski 1981)? Dutt (Dutt: 38–42) conjectured that ‘foam-stone’ may be impure white

arsenic obtained by roasting orpiment. : 140

orpiment (*haritāla*) Arsenii trisulphidum.

See NK v. 2, p. 20 ff : 140

vermillion (*rakta*) speculative, based on *Mahākośa*: 1, 667, under *raktadhātu*, citing the *Dhanvantarīyanighaṇṭu* : 140

Glossary

@ - *avabāhuka*: 71

- *pratitūnī*: 71 - *pratyādhmāna*: 71
- *pratyāṣṭhīlā*: 71

- *tūnī*: 71

- *vātakaṇṭhaka*: 71 - *vātāṣṭhīlā*: 71

abdominal swelling - *gulma*: 66
ādhmāna - tympanites: 71
agni - digestive fire: 65 - heat: 64
agnisaṅga - diminished digestive fire: 66
akriya - inactive: 71
ākṣepa - contractions: 68
ākṣepaka - convulsion: 69, 71
- convulsions: 68
antarāyāma - emprosthotonos: 68
ānulomya - rightness: 64
apakṣāghāta - paralysis: 69
apāna - apāna: 65
apāna - *apāna*: 65
apatānaka - spasmodic contraction: 68
āpatantraka - spasmodic contradiction:
69
ardita - paralysis of the jaw-bones: 70
- spasm of the jaw-bones: 70
avabāhuka - @: 71

bodily tissues - *dhātu*: 64
breath - *prāṇa*: 65
burning sensation in feet - *pādādāha*: 70

chyle - *rasa*: 66
collar bone - *jatru*: 65
contractions - *ākṣepa*: 68
convulsion - *ākṣepaka*: 69, 71
convulsions - *ākṣepaka*: 68

dhātu - bodily tissues: 64
digestive fire - *agni*: 65
diminished digestive fire - *agnisaṅga*: 66
doṣa - humours: 64
dumb - *mūka*: 71
dust - *rajas*: 64

ear-ache - *karnaśūla*: 71
ekāṅgaroga - monoplegia: 69
emprosthotonos - *antarāyāma*: 68

fever - *jvara*: 63

gadgad - stammers: 71
gout - *vātarakta*: 71
grdhrasī - sciatica: 70
gulma - abdominal swelling: 66

heat - *agni*: 64
humours - *doṣa*: 64

inactive - *akriya*: 71

jatru - collar bone: 65
jvara - fever: 63

kalāyakhāṇja - lathyrism: 70
karnaśūla - ear-ache: 71
khaṇja - limpness: 70
kroṣṭukaśīrṣa - synovitis of knee join: 70

lame - *paṅgu*: 70
lathyrism - *kalāyakhāṇja*: 70
limpness - *khaṇja*: 70

manyāsthambha - rigidity of neck: 69
mimmira - mumbles: 71
monoplegia - *ekāṅgaroga*: 69
mūka - dumb: 71
mumbles - *mimmira*: 71

pādādāha - burning sensation in feet: 70
pakṣāghāta - paralysis of one side: 71
- paralysis: 69
paṅgu - lame: 70
paralysis of arms and back - *viśvañci*: 70
paralysis of one side - *pakṣāghāta*: 71
paralysis of the jaw-bones - *ardita*: 70
paralysis - *apakṣāghāta*: 69 - *pakṣāghāta*: 69
prāṇa - breath: 65 - *prāṇa*: 65 - vital wind:
65
prāṇa - *prāṇa*: 65
pratitūnī - @: 71
pratyādhmāna - @: 71

pratyaṣṭhīla - @: 71

rajas - dust: 64

rasa - chyle: 66

rightness - *ānulomya*: 64

rigidity of neck - *manyāsthambha*: 69

samāna - *samāna*: 65

samāna - *samāna*: 65

sciatica - *grdhrasī*: 70f

spasm of the jaw-bones - *ardita*: 70

spasmodic contraction - *apatānaka*: 68

spasmodic contradiction - *āpatantraka*:
69

stammers - *gadgad*: 71

śvāsa - wheezing: 65

synovitis of knee join - *kroṣṭukaśīrṣa*: 70f

tūnī - @: 71

tympanites - *ādhmāna*: 71

udāna - *udāna*: 65

udāna - *udāna*: 65

vāta - wind: 63

vātakaṇṭaka - @: 71

vātarakta - gout: 71

vātāṣṭhīlā - @: 71

viśvañci - paralysis of arms and back: 70f

vital wind - *prāṇa*: 65

vyāna - *vyāna*: 65

vyāna - *vyāna*: 65


wheezing - *śvāsa*: 65

wind - *vāta*: 63

Todo list

■ Cite Paul Courtright, Ganesha book.	19
■ Can't be "sedation"	45
■ complete this thought	63
■ add footnote here	64
■ add refs to Divodāsa as king.	64
■ find out about uttarabasti	77
■ to what?	78
■ 29, 30 missing?	81
■ Problematic passage in the edition.	81
■ unsolved problem	86
■ Perhaps <i>kalka</i> here could also mean the <i>Terminalia Bellerica</i> (विभीतक).	98
■ Perhaps <i>kalka</i> here could also mean the <i>Terminalia Bellerica</i> (विभीतक).	98
■ Euphorbia Antiquorum (Antique spurge)	101
■ 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.	105
■ The provisional edition should be modified accordingly.	107
■ There, Ḍalhaṇa comments that deliberation on <i>avapīḍa</i> had been done earlier when it was mentioned. Find that description to know more details.	109
■ Search for the section where the treatment of <i>ākṣepaka</i> is described.	110
■ Make the first letter of sentence capital.	110
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■ ?	116
■ ?	116
■ (?)	116
■ Is Dh. the teacher of Su. elsewhere?	126
■ Cf. Arthaśāstra 1.21.8.	127

■ I'm still unhappy about this verse.	130
■ Mention this in the introduction as an example of the scribe know- ing the vulgate.	130
■ fn about sadyas+	130
■ Bear's bile instead of deer's bile.	131
■ punarṇavā in the N & K MSS	132
■ śrita for śṛta	132
■ explain more	132
■ Medical difference from Sharma.	133
■ example where the vulgate clarifies that these should be used sep- arately; appears to be a gloss inserted into the vulgate text. . . .	133
■ The two uses of prāpta are hard to translate. prāptāḥ → kṣipram is an example of the vulgate banalizing the Sanskrit text to make sense of a difficult passage.	133
■ √ vyadh not √ vedh (also elsewhere and for the ears), causative optative.	133
■ Look up the ca. reference.	142
■ Come back to the issue of "kalpa". Look up passages in the Kośa. .	149
■ got to here - 2023-01 continue with table for #5	151
■ write footnote: don't repeat ativiṣā; vulgate similar to H.	153
■ Include info on hida-2019	159
■ 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?	161
■ grammar	162
■ ri- ṛ-?	165
■ varṇa means "colour" elsewhere?	166
■ write note on pariṣekān pradehāmś	178
■ where is cutting with a knife related to removing bile or phlegm. .	210
■ maṣī burned charcoal. Find refs.	210
■ find ref.	216
■ Check out these refs.	216
■ meaning of kalpa	216
■ or a dual?	221
■ See chapter 40 of Sūtrasthāna.	272
■ vasā / medas / majjan	272
■ Does bhūtādi a compound or it means ahaṅkāra or ego?	273

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