

A Translation of the Nepalese Text of the *Suśrutasamhitā*

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Draft of 17th August 2023
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Sūtrasthāna

Nidānasthāna

Śārīrasthāna

Cikitsāsthāna

Kalpasthāna

Uttaratantra

Uttaratantra 65: Rules of Interpretation

Literature

Meulenbeld offered an annotated overview of this chapter and a bibliography of earlier scholarship to 2002.³⁸⁰ Earlier explorations of this topic include Nārāyaṇa 1949; Dasgupta 1952; Oberhammer 1967–68; Muthuswami 1976; Lele 1981; Scharfe 1993; Mejer 2000; A. Singh 2003. Manevskaia (2008) gave examples of the use of *tantrayuktis* in Buddhist commentarial literature.

Terminology

Characteristics of the Manuscript Transmission

Translation

- 1 Now we shall explain the chapter called, “the enunciation of the logical methods of the system (*tantrayukti*).”
- 3 There are thirty-two logical methods of the system. They are as follows:
 - topic (*adhikaraṇa*)
 - construing (*yoga*)
 - word meaning (*padārtha*)
 - premise (*hetvartha*)
 - mention (*samuddeśa*)

³⁸⁰ [HIML](#): IA, 331.

- description (*nirdeśa*)
- prescription (*upadeśa*)
- statement of reason (*apadeśa*)
- indication (*pradeśa*)
- prediction (*atideśa*)
- exception (*apavarga*)
- ellipsis (*vākyasēṣa*)
- implication (*arthāpatti*)
- contraposition (*viparyaya*)
- recontextualization (*prasaṅga*)
- (*ekānta*)
- (*anekānta*)
- (*pūrvapakṣa*)
- (*nirṇaya*)
- (*anumata*)
- (*vidhāna*)
- (*anāgatāpekṣaṇa*)
- (*atīkrāntāpekṣaṇa*)
- (*saṁśaya*)
- (*vyākhyāna*)
- (*svasaṁjñā*)
- (*nirvacana*)
- (*nidarśana*)
- (*niyoga*)
- (*vikalpa*)
- (*samuccaya*)
- (*ūhya*)

4 It is said about this, “what is the purpose of these methods?” The answer is, “construing sentences and construing meanings”.³⁸¹

5-6 There are **two** verses about this:

The logical methods of the system prohibit statements employed by people who do not speak the truth. They also bring about the validity of one's own statements. And they also clarify meanings that

³⁸¹ Dalhaṇa on 6.65.4 (*Su 1938*: 815) explained “construing a sentence” as “connecting up a sentence that is not connected,” and “construing a meaning” as “clarifying or making appropriate a meaning that is implied or inappropriate.”

are stated back to front, that are implicit, unclear and any that are partially stated.

- 8 Among them, “topic (*adhikaraṇa*)” refers to the object, with reference to which statements are made, such as flavour (*rasa*) or humour (*doṣa*).³⁸²
 9 “Construing (*yoga*)” is that by which a sentence is construed, as when words that are in a reversed order, whether placed close or apart, have their meanings unified.

Sesame oil he should drink, with heart-leaved moonseed,
 neem tree, maidenhair fern, Indrajao, and long pepper

that is cooked with heart-leaf sida and country mallow, and
 deodar, always for a benefit in the case of the disease goitre.

In this verse, one ought to say, firstly, “one should drink cooked....” However, the word “cooked” is used in the second line.³⁸³ Unifying the meanings of words in this way, even though they are far apart, is construing.

- 10 The meaning that is conveyed in an aphorism (*sūtra*) or a word is called word meaning (*padārtha*). In other words, word meaning is the meaning of one or more words. Word meanings are unlimited. Where two or three meanings such as ‘fat’, ‘sweat’ or ‘anointment’ appear to be possible, one should consider the meaning which is valid through semantic linkage with prior and subsequent elements. For example, comprehension is doubtful when it is said that “We are going to explain the chapter on the origin of Veda” concerning that the origin of which Veda is to be stated. *Sāmaveda* and so on are the Vedas. With regard to prior and subsequent elements, the roots *vind* and *vid* have the same meaning. Later a word appears that clarifies that he wants to talk about the origin of *Āyurveda*. Hence, it (*āyurveda*) is the word meaning.
 11 The statement that serves as proof of an argument is the premise (*hetvārtha*). For example, as a lump of earth is moist by water, the same way a wound becomes moist by substances like milk with black grams and so on.

³⁸² The idea here is that “*rasa*” may be the topic of a chapter, and statements in that chapter are all understood to be about that topic

³⁸³ The Nepalese version reads द्वितीये पादे which would properly mean the second quarter of the first line; the vulgate reads “third quarter” which is more correct.

- 12 A brief statement is called mention (*samuddeśa*), such as pain-causing agent (*śalya*).
- 13 A detailed statement is description (*nirdeśa*). For example, the pain-causing agents are endogenous or exogenous.
- 14 Prescription (*upadeśa*) refers to statements like “it should be this way”. For example, one should not stay awake at night; you should not sleep during daytime.
- 15 prescription (*upadeśa*) refers to statements like “this happens because of this”. For example, in the sentence “Phlegm increases by sweet substances”, the reason is stated.
- 16 Substantiation of the subject matter through past evidence is indication (*pradeśa*). For example, he removed the pain-causing substance from Devadatta so he can do it from Yajñadatta.
- 17 Substantiation of the subject matter through future event is prediction (*atideśa*). For example, if his wind goes up he would get colic by that.
- 18 A deviation after generalization is exception (*apavarga*). For example, those afflicted by poison should not go through sudorific treatment other than the cases of poisoning by urinary worms.
- 19 Ellipsis (*vākyaśeṣa*) refers to an unstated word that completes a sentence. For example, despite not mentioning the word ‘person’, when mentioning someone as ‘the one having a head, hands, feet, flanks, and abdomen,’ it’s apparent that the reference is to a person.
- 20 arthāpatti (*Implication*) refers to an unstated idea that becomes evident through context. For example, when one said, “We will eat rice” it becomes evident from the context that he did not wish to drink gruel.
- 21 When there is the reversal of it it is contraposition (*viparyaya*). For example, when it is said, “Weak, dyspneic, and fearful people are difficult to treat,” the converse holds true: “Those who are strong and so on are easily treatable.”
- 22 Recontextualization (*prasaṅga*) refers to a concept common to another section. For example, a concept belonging to another section is brought up by mentioning it repeatedly throughout.

Editions and Abbreviations

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- Anup *Anup Sanskrit Library*.
- Apte Apte, Vaman Shivaram (1992), *The Practical Sanskrit-English Dictionary* (Kyoto: Rinsen Book Company), ISBN: 4-653-00038-7; Reprinted from Gode and Karve 1957–59.
- AS *Asiatic Society*.
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- BL *British Library.*
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- HIML Meulenbeld, Gerrit Jan (1999–2002), *A History of Indian Medical Literature*, 5 vols. (Groningen: E. Forsten), ISBN: 9069801248.
- IOLR Eggeling, Julius, et al. (1887–1935), *Catalogue of the Sanskrit Manuscripts in the Library of the India Office* (London: Secretary of State for India), [ark:/13960/s2kbbk5zcrg9](https://nirnayapress.org/ark:/13960/s2kbbk5zcrg9).

- KEWA Mayrhofer, Manfred (1953–72), *Kurzgefaßtes etymologisches Wörterbuch des Altindoarischen; a Concise Etymological Sanskrit Dictionary* (Heidelberg: Carl Winter, Universitätsverlag).
- KL *Kaiser Library.*
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- 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.
- NAK *National Archives of Kathmandu.*
- NCC Raghavan, V., et al. (1949–), *New Catalogus Catalogorum, an Alphabetical Register of Sanskrit and Allied Works and Authors*, 39 vols. (Madras University Sanskrit Series; Madras: University of Madras); v.1: revised edition, 1968. Searchable at <http://vmlt.in/ncc/>.

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- TMSSML *Tanjore Maharaja Serfoji Saraswati Mahal Library.*
- Viṣṇudh. Śarman, Madhusūdana, and Śarman, Mādhavaprasāda (1912) (eds.), विष्णुधर्मोत्तरपुराणम् = [*Viṣṇudharmottarapurāṇa*] (Mumbai: Khemarāja Śrīkṛṣṇadāsa at the Śrīveṅkaṭeśvara Steam Press), [ark : / 13960 / t6qz6fr23](https://nirṇayasāgara.org/ark:/13960/t6qz6fr23); Lithograph format. Edited on the basis of a manuscript belonging to the astrologer Śudhākaraśarman of the Varanasi Sanskrit Pāṭhaśālā.

Index of Manuscripts

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

- aconite leaf (?) (*viṣapatrikā*) Unknown.
Cf. perhaps, *vatsanābha* (wolfsbane).
Cf. [GVDB](#): 373 : 83
- amaranth (*taṇḍulīyaka*) *Amaranthus hypochondriacus*, L. See King 321, [NK](#): 1, #144, [Potter_{rev}](#): 15. Cf. [AVS](#): 1, 121 : 76
- axlewood (*dhava*) *Anogeissus latifolia* (Roxb. ex DC.) Wall. ex Guill & Perr. See [AVS](#): 1, 163 f, [Chopra](#): 20 : 98
- bamboo leaves (*veṇupatrikā*) *Bambusa bambos*, Druce. See [NK](#): 1, #307 : 76
- beautyberry (*priyaṅgu*) → *śyāmā*. *Callicarpa macrophylla*, Vahl. See [AVS](#): 1, 334, [NK](#): 1, #420. Some say also *Setaria italica* Beauv. [GVDB](#): 263–264. See also [GVDB](#): 413 : 94, 99
- beautyberry (*śyāmā*) *Callicarpa macrophylla*, Vahl. See [AVS](#): 1, 334, [NK](#): 1, #420 : 74, 76
- beggarweed (*aṃśumatī*) *Desmodium gangeticum* (L.) DC ([Dymock](#): 1, 428, [GJM1](#): 602, [NK](#): 1, #1192; [ADPS](#): 382, 414 and [AVS](#): 2, 319, 4.366 are confusing) : 94
- beggarweed (*vidārigandhā*) → *śālapaṇṇī*. *Desmodium gangeticum* (L.) DC. See [Dymock](#): 1, 428, [GJM1](#): 602, cf. [NK](#): 1, #1192; [ADPS](#): 382, 414 and [AVS](#): 2, 319, 4.366 are confusing : 41
- 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 T. B. Singh and Chuneekar ([GVDB](#): 246) supported this as a usual identification : 76, 79, 93, 94
- blackboard tree (*saptachada*) *Alstonia scholaris* R. Br. [GVDB](#): 420 : 75
- blackbuck (*hariṇa*) *Antelope cervicapra*, L. See [BIA](#): 270 [IW](#): 95, 165, *et passim* : 79
- blue water-lily (*utpala*) *Nymphaea stellata*, Willd. See [GJM1](#): 528, [IGP](#) 790; [Dutt](#): 110, [NK](#): 1, #1726 : 23, 74, 93, 94
- cardamom (*elā*) *Elettaria cardamomum*, Maton. See [AVS](#): 2, 360, [NK](#): 1, #924, [Potter_{rev}](#): 66 : 94, 99
- cassia cinnamon (*patra*) *Cinnamomum tamala*, (Buch.-Ham.) Nees. See [AVS](#): 2, 84, [NK](#): 1, #589 : 76, 94
- castor oil tree (*gandharvahasta*) → *eraṇḍa*. [GVDB](#): 135, [K&B](#): 3, 2277 : 37
- castor-oil (*eraṇḍa*) *Ricinus communis*, L. See [NK](#): 1, #2145, [Chopra](#): 214 : 42
- 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 rūpyaṃ, sutāraḥ pāradah*, “tāra means silver; sutāra means mercury.” : 98

- 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*): 24, 178
- chebulic myrobalan (*harītakī*) Terminalia chebula Retz. GVDB: 466: 75
- cherry (*elavālu*) Prunus cerasus, L.?. See BVDB 58, NK: 1, #2037, GVDB: 58: 94
- chital deer (*prṣata*) Axis axis, Erxleben. See BIA: 292, IW: 93: 79
- cobra's saffron (*nāgapuṣpa*) → nāgakeśara. Mesua ferrea, L. See NK: 1, #1595, GVDB: 220: 94
- corky coral tree (*pāribhadra*) Erythrina suberosa Roxb. See GVDB 245: 98
- costus (*kuṣṭha*) Saussurea costus, Clarke. See NK: 1, #2239: 76, 94, 99
- 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: 41, 135
- country sarsaparilla (*anantā*) Hemidesmus indicus, (L.) R. Br. See ADPS: 434, AVS: 3, 141–5, NK: 1, #1210. But see GVDB: 13 for complications that may suggest that it is to be equated with *sārivā*, which may sometimes be Cryptolepis or Ichnocarpus frutescens R. Rr. (GVDB: 429–431): 41, 83, 93, 94, 98
- crape jasmine (*nata*) → crape jasmine GVDB: 215: 174, 175
- crape jasmine (*tagara*) Tabernaemontana divaricata (L.) R.Br. ex Roem. & Schultes. See GJM1: 557, AVS: 5, 232. Synonym of crape jasmine. But some say Valeriana jatamansi, Jones See GVDB: 173–174 for discussion (and charming comments on brain liquid testing). Some say *tagara* is Indian rose-bay or Indian valerian, but there remain many historical questions about the ancient and regional identities of this plant See, e.g., AVS: 5, 334: 76, 94, 174, 175
- 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: 98
- cuscut grass (*uśīra*) Andropogon murcatus, Retz. Also “vetiver grass.” See NK: 1, #180: 76
- datura (*dhattūra*) Datura metel, L. See AVS: 2, 305 (cf. Abhidhānamāñjarī), NK: 1, #796 ff. Potter_{rev}: 292 f, ADPS: 132: 38
- deodar (*bhadradāru*) Cedrus deodara, (Roxb.ex D.Don) G. Don. See AVS 41, NK: 1, #516: 94
- deodar (*devadāru*) Cedrus deodara (Roxb.) Loud. GVDB: 206–207: 135
- dried meat (*vallūra*) MW: 929, AyMahā: 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): 23
- drum-giver (?) (*lambaradā*) Unknown; cf. GVDB: 348: 83
- elixir salve (*rasāñjana*) → añjana. See Indian barberry: 42
- embelia (*viḍaṅga*) Embelia ribes, Burm. f. See ADPS: 507, AVS: 2, 368, NK: 1, #929, Potter_{rev}: 113: 94
- emetic nut (*karaghāṭa*) Probably a synonym for *karahāṭa* (emetic nut), q.v., GVDB: 74: 174
- emetic nut (*karahāṭa*) Randia dumetorum, Lamk. See GVDB: 291–292 and NK: 1, #2091. T. B. Singh and Chuneekar (GVDB: 74, 77–78) noted that it may be a synonym for *karaghāṭa*, emetic nut, and pointed rather to Gardenia turgida Roxb. on the basis of local knowledge in U. P.: 174, 176

- emetic nut (*madana*) *Randia dumetorum*, Lamk. See [NK: 1, #2091: 74](#)
- false daisy (*subhaṅgurā*) (*su*)bhaṅgura = *bhṛṅga*? *Eclipta prostrata* (L.) L. See [GVDB: 288: 82](#)
- fermented rice-water (*dhānyāmla*) → *kāñjī*, *kāñjikā*, *sauvīra*. [GVDB: 458, NK: 2, appendix VI, #18: 39, 40](#)
- fern (*ajaruhā*) *Nephrodium* species [GVDB: 7, uncertain](#). *Perhbaps Christella dentata* (Forssk.) Brownsey & Jermy, which is reported to have folk applications against skin diseases in India: [78](#)
- fire-flame bush (*dhātakī*) *Woodfordia fruticosa* (L.) Kurz. See [AVS: 5, 412, NK: 1, #2626: 75](#)
- fragrant lotus (*saugandhika*) A type of *kumuda* or *utpala* ([GVDB: 457](#)): [23](#)
- garjan oil tree (*aśvakarṇa*) *Dipterocarpus turbinatus* Gaertn. f. See [GVDB: 28, Chopra: 100: 98](#)
- giant potato (*kṣīravidārī*) possibly → *kṣīraśukla*. *Ipomoea mauritiana*, Jacq. See [ADPS: 510, AVS: 3, 222, AVS: 3, 1717 ff: 176–178](#)
- ginger (*mahaśadha*) *Zingiber officinale*, Roscoe. See [ADPS: 50, NK: 1, #2658, IGP: 1232: 79](#)
- gold (*hema*) gold: [94](#)
- 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”: [99](#)
- golden shower tree (*rājadruma*) *rājadruma* = *āragvadha*. *Cassia fistula* L. See [GVDB 37: 98](#)
- gourd (*alābu*) *Lagenaria siceraria* Standl. [GVDB: 25](#). Some say *Lagenaria vulgaris*, Seringe ([NK: 1, #1419](#)) but this is not appropriate for blood-letting: [19, 20, 75](#)
- heart-leaf sida (*balā*) *Sida cordifolia*, Linn. See [ADPS: 71, NK: 1, #2297: 41, 94, 135](#)
- heart-leaved moonseed (*amṛtavallī*) See [heart-leaved moonseed \(amṛtā\): 135](#)
- heart-leaved moonseed (*amṛtā*) → *guḍūcī*. *Tinospora cordifolia*, (Willd.) Hook.f. & Thoms.? See [ADPS: 38, NK: 1, #2472, 624, Dastur #229: 76, 93, 175](#)
- heart-leaved moonseed (*somavallī*) *Tinospora cordifolia* (Thunb.) Miers. [GVDB: 456](#). Likely, but uncertain: [76](#)
- henna (*madayantikā*) *Lawsonia inermis*, L. See [AVS: 3, 303, NK: 1, #1448, Potter_{rev}: 151: 77](#)
- Himalayan mayapple (*vakra*) *Podophyllum emodi*, Wall. ([NK: #1971](#)). But perhaps a synonym of [crape jasmine](#) and [crape jasmine](#) ([GVDB: 354](#)): [99](#)
- Himalayan monkshood (*ativiṣā*) → *viṣā* *Aconitum heterophyllum* Wall. [GVDB: 12, NK: 1, #39](#). Also “atis roots”: [77, 79, 99](#)
- Himalayan monkshood (*viṣā*) → *ativiṣā* [GVDB: 12, 373: 178](#)
- hogweed (*punarnavā*) *Boerhaavia diffusa*, L. See [ADPS: 387, AVS: 1, 281, NK: 1, #363: 77, 93](#)
- Holostemma creeper (*jīvantī*) → *sūryavallī*? *Holostemma ada-kodien*, Schultes. See [ADPS: 195, AVS: 3, 167, 169, NK: 1, #1242: 177](#)
- honey (*kṣaudra*) Eight varieties of honey are described in the SS ([NK: 2, Appendix 192](#)). *Kṣaudra* is the product of a small bee of tawny colour, called *kṣudra*: [79](#)
- horned pondweed (*śaivāla*) also *śaivāla*, *śevāra*. *Zannichellia palustris* L. The uncertainties of this identification are discussed by T. B. Singh and Chuneekar ([GVDB: 409](#)). Sometimes identified with [scutch grass](#) (*ḍūrvā*) ([GVDB: 409](#)). Identified as *Ceratophyllum demersum* Linn. (“hornwort”) by [AVS: 2, 56–57x](#):

- 176, 178
 hornwort (*jalaśūka*) → *jalanīlikā*.
Ceratophyllum demersum, L. See
 AVS: 2, 56, IGP: 232. T. B. Singh and
 Chuneekar (GVDB: 166) suggest **horned**
pondweed. Ḍalhaṇa noted on 1.16.19
 (Su 1938: 79) that some people
 interpret it as a poisonous, hairy,
 air-breathing, underwater creature: 41
- Indian barberry (*añjana*) → *rasañjana*,
dāruharidrā. *Berberis aristata*, DC.
 Dymock: 1, 65, NK: 1, #335, GJM1: 562,
 IGP: 141: 42, 78, 174
- Indian barberry (*dāruharidrā*) *Berberis*
aristata, DC. See Dymock: 1, 65, NK: 1,
 #685, GJM1: 562, IGP 141: 93, 94
- Indian barberry (*kālīyaka*) → *dāruharidrā*,
añjana. *Berberis aristata*, DC. See
 Dymock: 1, 65, NK: 1, #685, GJM1: 562,
 IGP: 141: 76
- 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: 41, 177
- 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: 41
- Indian madder (*mañjiṣṭhā*) *Rubia*
cordifolia, L. See IGP, Chopra: 215,
 GVDB: 289: 37, 94
- 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): 21
- Indian mustard (*sarṣapa*) *Brassica juncea*,
 Czern. & Coss. See AVS: 1, 301, NK: 1,
 #378: 24
- Indian sarsaparilla (*sārivā*) → *anantā*.
Hemidesmus indicus, (L.) R. Br.
 ADPS: 434, AVS: 3, 141–5, NK: 1, #1210;
 and black creeper, *pāṇḍī*. *Ichnocarpus*
frutescens, (L.) R.Br. or *Cryptolepis*
buchanani, Roemer & Schultes
 AVS: 3, 141, 3.145, 3.203, NK: 1, #1283,
 1210, ADPS: 434: 93, 94, 175
- Indian snakeroot (*sarpagandhā*) *Rauvolfia*
serpentina, (L.) Benth. ex Kurz. See
 NK: 1, #2099, ADPS: 439, GVDB: 425;
 cf. SS 5.5.76–78: 179
- Indrajao (*vrkṣaka*) → *indrayava*, *indrabīja*,
kaliṅga, and *kuṭaja*. *Holarrhena*
antidysenterica Wall. GVDB: 376, 45
 and 84: 135
- jambul (*jambū*) *Syzygium cumini*, (L.)
 Skeels. See ADPS: 188, NK: 1, #967,
 Potter_{rev}: 168, Wujastyk 2003a: 75
- jasmine (*mālatī*) *Jasminum grandiflorum*,
 L. See NK: 1, #1364: 76
- jequirity (*guñjā*) *Abrus precatorius*, L. See
 AVS: 1, 10, NK: 1, #6, Potter_{rev}: 168:
 82, 83
- (?) (*karaṭā*) Not in GVDB. Cf. perhaps
karahāṭa (**emetic nut**): 83
- lac (*lākṣā*) *Kerria lacca* (Kerr.). See
 GJM1: 445, NK: 2, #32. Watt
 (Watt_{Comm}: 1053–1066) is
 characteristically informative, and is
 definite about the antiquity of lac in
 India: 99
- liquorice (?) (*klītaka*) *Glycyrrhiza glabra*,
 L.? GVDB: 123–124 discuss the many
 difficulties in identifying this plant: 82
- liquorice (*madhuka*) see *yaṣṭīmadhuka*: 41,
 79, 92, 94
- liquorice (*yaṣṭīmadhuka*) *Glycyrrhiza*

- glabra, L. [AVS](#): 3, 84, [NK](#): 1, #1136, [GVDB](#): 329 f.: 42
- lodh tree (*lodhra*) *Symplocos racemosa*, Roxb. See [GJM1](#): 597, [ADPS](#): 279 f, [NK](#): 1, #2420. T. B. Singh and Chuneekar ([GVDB](#): 351–352) notes that there are two varieties, *S. racemosa*, qualified as *sāvāra*, and *S. crataegoides* Buch.-Ham. for *paṭṭikā lodhra*: 94
- long pepper (*māgadha*) *Piper longum*, L. See [NK](#): 1, #1928; but cf. [AVS](#): 3, 245: 78
- long pepper (*pippalī*) *Piper longum*, L. See [ADPS](#): 374, [NK](#): 1, #1928: 79, 94, 135
- luffa (*koṣṭakī*) = *koṣṭakī*. *Luffa cylindrica*, (L.) M. J. Roem. or *L. acutangula*, (L.) Roxb. [ADPS](#): 252–253, [NK](#): 1, #1514 etc. [GVDB](#): 121: 75, 92, 177
- luffa gourd (*koṣavati*) = *koṣṭakī*, luffa: 92
- maidenhair fern (*haṃsāhvayā*) *Adiantum lunulatum* Burm f. [GVDB](#): 463: 135
- mango (*āmra*) *Mangifera indica* Linn. [GVDB](#): 37: 75
- marking-nut tree (*aruṣkara*) *Semecarpus anacardium* L. See *bhallātaka* (marking-nut tree): 83
- marking-nut tree (*bhallātaka*) *Semecarpus anacardium*, L. See [NK](#): 1, #2269, [AVS](#): 5, 98: 78, 177
- medhshingi (*viṣayā*) *Dolichandrone falcata* (DC.) The *Sauśrutaniḥaṇṭu* gives a number of synonyms for *viṣayā* (Suvedī and Tīvārī 2000: 5.77, 10.143). But one of them, *viṣāṇī* (also *meṣaśṛṅgi*), is sometimes equated with *Dolichandrone falcata* (DC.) Seemann ([ADPS](#): 518; [GVDB](#): 373 f, a plant used as an abortifacient and fish poison ([NK](#): #862): 83
- migraine tree (*agnimantha*) *Premna corymbosa*, Rottl. See [AVS](#) 1927, [ADPS](#): 21, [NK](#): 1, #2025, [AVS](#): 4, 348; [GJM1](#): 523: = *P. integrifolia/serratifolia*, L.: 92
- milk-white (*kṣīraśuklā*) An unidentified plant. [GVDB](#): 126: see purple *roscoea* and giant potato: 41, 178
- mongoose (*nakula*) *nakula*. *Urva edwardsii* or the often sympatric *U. auropunctatus* (small Indian mongoose, usually an eater of smaller creatures than snakes) ([BIA](#): ch. 5), On mongooses and snakes, see [BIA](#): 98–99; [IW](#): 112: 79
- monitor lizard (*godhā*) *Varanus bengalensis*, Schneider. See [Reptiles](#): 58: 41, 79
- mung beans (*mudga*) *Phaseolus radiatus* L. [GVDB](#): 310–311: 118
- mung beans (*māṣaka*) *Phaseolus mungo* Linn. [GVDB](#): 308: 76
- myrobalan (*abhayā*) *Terminalia chebula*, Retz. See [ADPS](#): 172, [NK](#): 1, #2451, [Potter_{rev}](#): 214: 93, 99
- natron (*suvarcikā*) Sodium carbonate. [NK](#): 2, #45. Ḍalhaṇa identifies *suvarcikā* with svarjikṣāra 4.8.50 ([Su 1938](#): 441): 94
- neem tree (*nimba*) *Azadirachta indica* A. Juss. [GVDB](#): 226: 38, 135
- nutgrass (*kuruvinda*) Unknown. Ḍalhaṇa on 5.3.15 ([Su 1938](#): 568) glossed the term as *nutgrass*, but noted other opinions that it was a whetstone or a very special metallic gem. T. B. Singh and Chuneekar ([GVDB](#): 108) added that it could be a variety of rice, *ṣaṣṭika dhānya*: 99
- nutgrass (*mustā*) *Cyperus rotundus*, L. See [ADPS](#): 316, [AVS](#): 2, 296, [NK](#): 1, #782: 177
- 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 : [93](#), [176](#)
- peas (*hareṇu*) hareṇu = satīna. *Pisum sativum*, L. T. B. Singh and Chuneekar ([GVDB](#): 419–420, 467–468) notes that two plants are usually meant under this name, but there is no agreement on the identity of the second : [93](#), [94](#), [99](#)
- peepul tree (*aśvattha*) *Ficus religiosa*, L. See [ADPS](#): 63 : [101](#)
- periploca of the woods (*meṣaśṛṅga*) *Gymnema sylvestre* (Retz.) R. Br. See [AVS](#): 3, 107, [NK](#): 1, #1173 : [78](#)
- 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) : [176](#)
- 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. : [179](#)
- pointed gourd (*paṭola*) *Trichosanthes dioica*, Roxb. [GVDB](#): 232–233 : [93](#)
- poison berry (*brhatī*) *Solanum violaceum*, Ortega. See [ADPS](#): 100, [NK](#): 1, #2329, [AVS](#): 5, 151 : [93](#), [94](#)
- poison-altar (?) (*viṣavedikā*) Unknown. Possibly, at a guess, *viṣamuṣṭika* ([strychnine tree](#))? [GVDB](#): 373 Or *viṣā* ([Himalayan monkshood](#)) : [83](#)
- pondweed (*paripelavā*) Normally a neuter noun. T. B. Singh and Chuneekar ([GVDB](#): 238, 264–265, 409) argued that *plava* and *śaivāla* are the same thing, and may be either *Zannichellia palustris*, L., or *Potamogeton pectinatus*, L. : [94](#)
- pondweed (*śevāla*) *Zannichellia palustris* L. See [horned pondweed](#) : [23](#)
- prickly chaff-flower (*apāmārga*) *Achyranthes aspera*, L. See [GJM1](#): 524 f, [AVS](#): 1, 39, [ADPS](#): 44 f, [AVS](#): 3, 2066 f, [Dymock](#): 3, 135 : [38](#), [41](#)
- purging nut (*mūṣikā*) *Jatropha curcas*, L. See [AVS](#): 3, 261, [NK](#): 1, #1374 : [78](#)
- purple calotropis (*arka*) *Calotropis gigantea*, (L.) R. Br. See [ADPS](#): 52, [AVS](#): 1, 341, [NK](#): 1, #427, [Potter^{rev}](#): 57, [Chopra IDG](#): 305–308 : [41](#)
- purple roscoeia (*kṣīrakākoli*) [GVDB](#): 89 notes that many physicians use *Roscoeia procera* Wall. in this context. But the identification is uncertain. Possibly connected to [milk-white](#) or [giant potato](#) : [176](#), [177](#)
- rajmahal hemp (*moraṭa*) → *mūrvī*, *Marsdenia tenacissima* (Roxb.) Wight et Arn. Good discussion at [GVDB](#): 314–316, 324 : [92](#)
- red chalk (*gairika*) *gairika* : [94](#)
- red gourd (*bimbī*) *Coccinia indica*, W. & A. See [PVS](#) 1994.4.715; [NK](#): 1, #534 : [75](#)
- rice grains (*taṇḍula*) *Oriza sativa*, Linn. Same as [unhusked rice](#) (*śāli*) [GVDB](#): 174; or just “grains” : [24](#)
- rice-grain chaff (*śālitaṇḍulakāṇḍana*) See [chaff](#) : [24](#)
- rock salt (*saindhava*) See [NK](#): 2, M#48, [Watt^{Comm}](#): 963–971 : [24](#)
- rosha grass (*dhyāmaka*) *Cymbopogon martinii* (Roxb.) Wats. See [AVS](#): 2, 285, [NK](#): 1, #177 : [94](#)
- sacred lotus (*padma*) *Nelumbo nucifera*, Gaertn. See [NK](#): 1, #1698 : [23](#), [76](#)
- sage-leaved alangium (*ankolla*) *Alangium salvifolium* (Linn. f.) Wang. [GVDB](#): 5–6 : [75](#)
- sandalwood (*candana*) *Santalum album*, L. See [ADPS](#): 111, [NK](#): 1, #2217 : [94](#)
- sappanwood (*pattāṅga*) Also *pattāṅga*. *Caesalpinia sappan*, L. [AVS](#): 1, 323, [K&B](#): 2, 847 f, [GVDB](#): 234 : [42](#)
- scarlet mallow (*bandhujīva*) *Pentapetes phoenicea*, L. [NK](#): #1836, [GVDB](#): 268 : [77](#)
- scented pavonia (*bālaka*) *Pavonia odorata*, Willd. See [ADPS](#): 498, [NK](#): 1, #1822 : [94](#)
- scutch grass (*dūrṇā*) *Cynodon dactylon*

- (Linn.) Pers. (GVDB: 205) : 175
 selu plum (*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.) : 93
 sesame oil (*taila*) *Sesamum indicum* L.
 GVDB: 183 : 41
 siris (*śirīṣa*) *Albizia lebbbeck*, Benth. See
 AVS: 1, 81, NK: 1, #91 : 93
 siris seeds (*śirīṣamāṣaka*) *Albizia lebbbeck*,
 Benth. See AVS: 1, 81, NK: 1, #91 : 75
 small-flowered crape myrtle (*sidhraka*)
Lagerstroemia parviflora Roxb. See
 GVDB: 432 : 98
 snakeroot (*sugandhā*) → *sarpagandhā*
Rauvolfia serpentina Benth. ex. Kurz.
 See Indian snakeroot. But may be
Aristolochia indica Linn. Has been
 identified with ??, or ??. See
 (GVDB: 219, 436) : 82
 spikenard (*māṃsī*) *Nardostachys*
grandiflora, DC. See NK: 1, #1691 : 94
 spikenard (*nalada*) → *māṃsī*.
Nardostachys grandiflora, DC. See
 NK: 1, #1691 : 73
 strychnine tree (*viṣamuṣṭika*) *Strychnos*
nux vomica Linn. GVDB: 373 : 178
 sugar (*sitā*) *Ḍalhaṇa* makes this equation
 at 1.37.25 (Su 1938: 162) : 94
 sugar (*śarkara*) *Saccharum officinarum*,
 Linn. NK: #2182 : 79
 sugar cane (*ikṣu*) *Saccharum officinarum*,
 Linn. NK: #2182 : 79
 sunflower (*sūryavallī*) → *ādityavallī*,
sūryamukhī, *Helianthus annuus* Linn.
 GVDB: 35, 443 : 93
 sweet plants (*madhuravarga*) The sweet
 plants are enumerated at
Suśrutasaṃhitā 1.42.11. See also
 GVDB: 127 : 41
 sweet-scented oleander (*aśvamāraka*)
Nerium oleander, L. See ADPS: 223,
 NK: 1, #1709 : 82
 Tellicherry bark (*kuṭaja*) *Holarrhena*
pubescens Wall. ex G.Don, with
Wrightia tinctoria and *W. arborea*
 considered GVDB: 101–102,
 ADPS: 267–270 : 175
 thorn apple (*karambha*) *Datura metel*, L.
 See GVDB: 76 for useful discussion.
 Also, AVS: 2, 305 (cf.
Abhidhānamañjarī), NK: 1, #796 ff.
 Potter_{rev}: 292 f, ADPS: 132. Possibly the
 same plant as plumed cockscomb
 (*indīvara*) (GVDB: 76, 44–45) : 83, 178
 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 : 93
 three-leaved caper (*varuṇa*) *Crataeva*
magna (Lour.) DC. See AVS: 2, 202; cf.
 NK: 1, #696 : 78
 top layer of fermented liquor (*surāmaṇḍa*)
 K&B: 2, 502, NK: 2, appendix VI, #49,
 McHugh 2021: 39 : 39, 40
 tree cotton (*kārpāsa*) *G. arboreum* L.
 ADPS: 231. Pace the identifications of
 T. B. Singh and Chuneekar (GVDB: 92,
 247), since *G. barbadense* L. is native to
 South America and *G. herbaceum* L.
 which is native to Africa : 38, 179
 tree cotton (*picu*) See tree cotton
 (*kārpāsa*) : 40, 42
 turmeric (*haridrā*) *Curcuma longa* Linn.
 GVDB: 465 : 93, 99
 turmeric (*rajanī*) *Curcuma longa*, L.
 ADPS: 169, AVS: 2, 259, NK: 1, #750 :
 24, 94
 turpeth (*trivṛt*) → *trvṛtā*. *Operculina*
turpethum (Linn.) Silva Manso =
Ipomoea turpethum R. Br. GVDB: 197 :
 79, 173
 unhusked rice (*śālī*) *Oriza sativa*, Linn.
 GVDB: 395–396 : 24, 178
 velvet-leaf (*pāṭhā*) *Cissampelos pariera*, L.

- See [ADPS](#): 366, [NK](#): 1, #592, [GJM1](#): 573, [AVS](#): 1, 95; cf. [AVS](#): 2, 277 : 92
- velvet-mite (*indragopa*) *Kerria lacca* (Kerr.). Lienhard 1978 : 74
- verbena (*phañjī*) *Clerodendrum serratum*, L. See [AVS](#): 2, 121, [ADPS](#): 87 : 77
- watered buttermilk (*udaśvit*) [MW](#): 183 : 75
- weaver's beam tree (*muṣkaka*) *Schrebera swietenoides*, Roxb. See [AVS](#): 5, 88, Lord, [NK](#): 1, #2246 : 98
- white calotropis (*alarka*) *Calotropis procera*, (Ait.) R. Br. See [NK](#): 1, #428, [Chopra](#): 46b, [Chopra IDG](#): 305–308 : 41
- white clitoria (*śvetā*) → *giryāhvā*. *Clitoria ternatea*, L. See [AVS](#): 2, 129, [NK](#): 1, #621 : 76
- white cutch tree (*somavalka*) *Acacia polyacantha*, Willd. See [AVS](#): 1, 30, [IGP](#) 7, [GJM1](#): 602, [AVS](#): 2, 935; *pace* [NK](#): 1, #1038 : 77, 98
- white siris (*kiñihī*) *Albizia procera*, (Roxb.) Benth. See [GVDB](#) 98, [NK](#): 1, #93 : 93
- white water-lily (*kumuda*) *Nymphaea alba*, Linn. [GVDB](#): 105 : 23
- wild asparagus (*bahuputrā*) → *nandana*? *Asparagus racemosus*, Willd. See further [wild asparagus](#) (*śatāvārī*) : 77
- wild asparagus (*śatāvārī*) *Asparagus racemosus*, Willd. See [ADPS](#): 441, [AVS](#): 1, 218, [NK](#): 1, #264, [IGP](#): 103, [AVS](#): 4, 249 ff, [Dymock](#): 3, 482 ff : 118, 180
- wild celery (*agnika*) → may be *bhalātaka*, *lāṅgalī*, *ajamodā*, *moraṭa*, or *agnimantha*, [GVDB](#): 4. Uncertain : 92
- wild celery (*ajamodā*) *Apium graveolens*, L. : 92
- Withania* (*aśvagandhā*) *Withania somnifera* (L.) Dunal. See [AVS](#): 5, 409 f, [Dymock](#): 2, 566 f., Chevallier 150 : 41
- wolfsbane (*vatsanābha*) *Aconitum napellus*, L. See [AVS](#): 1, 47, [NK](#): 1, #42, [Potter_{rev}](#): 4 f. Or *Aconitum chasmanthum* Stapf ex Holmes, [GVDB](#): 357 : 173
- wood apple (*kapittha*) *Limonia acidissima*, L. See [AVS](#): 3, 327, [NK](#): 1, #1021 : 76, 78
- woodrose (*mūṣikakarṇī*) *Jatopha curcas*, L. [AVS](#): 3, 261, [NK](#): 1, #1374. [GVDB](#): 317; [ADPS](#): 23–25 discuss this issue well : 76
- yellow-berried nightshade (*kṣudrā*) *Solanum virginianum*, L. See [ADPS](#): 100, [NK](#): 1, #2329, [AVS](#): 5, 164 : 93, 94

Todo list

■ subject-verb-object	49
■ Don't put guesses in the main text. Footnote them.	49
■ Cf. Arthaśāstra 1.21.8.	72
■ I'm still unhappy about this verse.	75
■ Mention this in the introduction as an example of the scribe knowing the vulgate.	75
■ fn about sadyas+	75
■ Bear's bile instead of deer's bile.	76
■ punarṇṇavā in the N & K MSS	77
■ śrita for śṛta	77
■ explain more	77
■ Medical difference from Sharma.	78
■ example where the vulgate clarifies that these should be used separately; appears to be a gloss inserted into the vulgate text.	78
■ The two uses of prāpta are hard to translate. prāptāḥ → kṣipraṃ is an example of the vulgate banalizing the Sanskrit text to make sense of a difficult passage.	78
■ √ vyadh not √ vedh (also elsewhere and for the ears), causative optative.	78
■ -> ativiṣa	88
■ Look up the ca. reference.	88
■ Come back to the issue of "kalpa". Look up passages in the Kośa.	95
■ write footnote: don't repeat ativiṣā; vulgate similar to H.	99
■ material corresponds to SS.1.45.205ab, where it describes how alcohol affects the body.	102

■ Or “There are 20 phaṇins and 6 maṇḍalins. The same number are known. There are 13 Rājīmants.” Or even, “there are 20 Phaṇins and six of them are Maṇḍalins.” Are phaṇins really the same as darvīkaras?	105
■ grammar	107
■ where is cutting with a knife related to removing bile or phlegm. .	112
■ maṣī burned charcoal. Find refs.	112
■ find ref.	118
■ Check out these refs.	118
■ meaning of kalpa	118
■ or a dual?	123

