# Jason Birch and Dominik Wujastyk Draft of 7th October 2021 © Jason Birch and Dominik Wujastyk October 7021 Octo

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### **Abstract**

The Suśruta Project is producing a new Sanskrit text edition of the Su-śrutasaṃhitā based on the early Nepalese manuscripts. As we gradually transcribe and edit the manuscripts, we are producing this new translation of the classic work.

 $<sup>\,</sup>$  1  $\,$  MS Kathmandu KL 699, MS Kathmandu NAK 1-1079, and MS Kathmandu NAK 5-333.

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# Kalpasthāna, adhyāya 1

### Literature

A brief survey of this chapter's contents and a detailed assessment of the existing research on it to 2002 was provided by Meulenbeld.<sup>50</sup> Translations of this chapter since 2000 have appeared by Wujastyk (2003: 131–139), P. V. Sharma (1999–2001: 3, 1–15), and Srikantha Murthy (2000–2).<sup>51</sup>

More recently, a discussion of the fourth chapter of this section in the light of the Nepalese manuscripts was published by Harimoto.<sup>52</sup> After a close comparative reading of lists of poisonous snakes, Harimoto concluded that, "the Nepalese version is internally consistent while the [vulgate] editions are not." Harimoto showed how the vulgate editions, had been adjusted textually to smooth over inconsistencies, and gave insights into these editorial processes.<sup>53</sup>

# Manuscript notes

 MS Kathmandu NAK 5-333 has foliation letter numerals, for example on f. 323a, that are similar to MS Cambridge Add. 1693,<sup>54</sup> dated to 1165 ce noted in Bendall's chart of Nepalese letter-numerals Bendall 1883: Lithograph V, after p. 225

<sup>50</sup> HIML: IA, 289-290.

For a bibliography of translations to 2002, including Latin (1847), English (1877), Gujarati (1963) and Japanese (1971), see HIML: IB, 314–315.

<sup>52</sup> Harimoto 2011: 101–104.

<sup>53</sup> The two editions that Harimoto noted, Su 1938 and Su 1889, present identical texts.

<sup>54</sup> Scan at cudl.lib.cam.ac.uk/view/MS-ADD-01693/1.

### **Translation**

- 1–2 And now I shall explain the procedures for safeguarding food and drink, as were declared by the Venerable Dhanvantari.<sup>55</sup>
  - 3 Divodāsa, the king of the earth, was the foremost supporter of religious discipline and virtue. With unblemished instruction he taught his students, of whom Suśruta was the leader.<sup>56</sup>

# [Threats to the king]

- 4–5 Evil-hearted enemies who have plucked up their courage, may seek to harm the king, who knows nothing of it. He may be assailed with poisons by or by his own people who have been subverted, wishing to pour the poison of their anger into any vulnerability they can find.<sup>57</sup>
  - 6 Therefore, a king should always be protected from poison by a physician.
  - 7 The racehorse-like fickleness of men's minds is well known. And for this reason, a king should never trust anyone.<sup>58</sup>
- 8–11 He should employ a doctor in his kitchen (*mahānasa*) who is respected
  - 55 MS H adds in the margin अथ खलु वत्स सुश्वतः "Now begins Vatsa Suśruta." This phrase has been copied here by the scribe from the beginning of the *Suśrutasaṃhitā* chapter in the *sūtrasthāna* on the rules about food and drink (1.46.3 (Su 1938: 214)). The scribe presumably felt, not unreasonably, that this section had common subject matter with the present chapter. Further, SS 1.46.3 is the only place in the Nepalese transmission of the *Suśrutasaṃhitā* that names Dhanvantari and integrates him into the narrative of the *Suśrutasaṃhitā* as the teacher of Suśruta.
    - The mention of Dhanvantari here is the only other time in the Nepalese transmission that this authority is cited as the source of Ayurvedic teaching, and the unique occurrence of this actual phrase, "as was declared by the Venerable Dhanvantari." See the discussion by Klebanov (2021a: 28–32), who concludes that the earliest recoverable recension of the *Suśrutasaṃhitā* may have had the phrase only at this point and not elsewhere in the work. See the further discussion by Birch et al. (2021).
  - 56 This is a quite different statement from the vulgate which has Dhanvantari as the teacher, and calls him the Lord of Kāśī (kāśipati) (Su 1938: 559). Dalhaṇa followed the vulgate but explicitly noted the reading before us with small differences: दिवोदासः क्षितिपतिस्तपोधर्मश्रुताकरः "Divodāsa, the king of the earth, was a mine of traditions about discipline and virtue."
  - Verses about the use of Venemous Virgins as a weapon do not appear in the Nepalese manuscripts. Cf. Wujastyk 2003: 81 f., 132. This material is present in the commentary of Gayadāsa.
  - 58 The verb \sqrt{svas} is conjugated as a first class root in the Nepalese manuscripts.

- by experts, who belongs to a good family, is orthodox, sympathetic, not emaciated, and always busy.
- 12–13 The kitchen should be constructed at a recommended location and orientation. It should have a lot of light,<sup>59</sup> have clean utensils and be staffed by men and women who have been vetted.<sup>60</sup>
- 17–18ab The chefs, bearers (*voḍhāra*), and makers of boiled rice soups and cakes and whoever else might be there, must all be under the strict control of the doctor.<sup>61</sup>
- 18cd–19ab An expert knows people's body language (*iṅgita*) through abnormalities in voice, movement and facial expression. He should be able to identify a poisoner by the following signs.
  - Wanting to speak, he gets confused, when asked a question, he never arrives at an answer, and he talks a lot of confused nonsense, like a fool. He laughs for no reason, cracks his knuckles and scratches at the ground. He gets the shakes and glances nervously from one person to another. His face is drained of colour, he is grimy (*dhyāma*) and he cuts at things with his nails.<sup>62</sup> A poisoner goes the wrong way and is absent-minded.
    - I shall explain the signs to look for in toothbrush twigs, in food and drink as well as in massage oil (abhyaṅga) and combs (avalekhana); in dry rubs (utsādana) and showers, in decoctions (kaṣāya) and massage ointment (anulepana); in garlands (sraj), clothes, beds, armour and ornaments; in slippers and footstools, and on the backs of elephants and horses; in nasya (snuff), inhaled smoke (dhūma), eye make-up (añjana), etc., and any other things which are commonly poisoned. Then, I shall also explain the remedy.
      - 28 Flies or crows or other creatures that eat a poisonous morsel (*bali*) served from the king's portion, die on the spot.

Cf. Arthaśāstra

<sup>59</sup> We read महच्छुचिः with the Nepalese manuscripts and against the vulgate's महच्छुचि. We understand शुचिस् as a neuter noun meaning "light" following Apte (1992: 1050a).

<sup>60</sup> Verses detailing the ideal staff are omitted in the Nepalese manuscripts. Cf. Su 1938: 560; Wujastyk 2003: 132.

<sup>61</sup> The word सौपोदनैकपूपिक "chefs for the boiled rice soups and cakes" is grammatically interesting. The term सूपोदन (as opposed to sūpaudana) is attested in the *Bodhāyanīya-gṛhyasūtra* 2.10.54 (Shastri 1920: 68). More pertinently, perhaps, सूपोदन is attested in the Bower Manuscript, part II, leaf 11r, line 3 (Hoernle 1893–1912: vol. 1, p. 43).

<sup>62</sup> The word ध्याम is glossed by Dalhana (in a variant reading) as someone who is the colour of dirty clothes 5.1 (Su 1938: 560).

- 29 Such food makes a fire crackle violently, and gives it an overpowering colour like a peacock's throat.
- 30–33 After a chukar partridge looks at food which has poison mingled with it, its eyes are promptly drained of colour; a peacock pheasant drops dead. A koel changes its song and the common crane rises up excitedly.<sup>63</sup> It will excite a peacock and the terrified parakeet and the hill myna screech. The swan trembles very much, and the racket-tailed drongo churrs.<sup>64</sup> The chital deer sheds tears and the monkey releases excrement.<sup>65</sup>
- Vapour rising from tainted food gives rise to a pain in the heart, it makes the eyes roll, and it gives one a headache.<sup>66</sup>
- 35, 36cd In such a case, an errhine and a collyrium that are costus, lāmajja grass (*lāmajja*), spikenard (*nalada*) and honey (*madhus*);<sup>67</sup> a paste of sandalwood on the heart may also provide relief.<sup>68</sup>
  - 63 The verb अर्च्छित "rises up" is a rare form best known from epic Sanskrit (see Oberlies 2003: 212, §7.6.1). The transmitted form क्रोञ्च is obviously a colloquial version of Sanskrit क्रोञ्च. Commenting on 1.7.10 (Su 1938: 31), Dalhaṇa interestingly gives the colloquial versions of several Sanskrit bird names, even singling out pronunciation in the specific location of Kāṇyakubja. For क्रोञ्च he says that people pronounce it कुरञ्ज and कोंचि. The form कोञ्च is found in Pāli (see Cone 2001: 731, who notes that Ardhamāgadhī has the same form). Elsewhere, Dalhaṇa calls the bird क्रोञ्चिर, क्रोञ्च, and केचर (1.46.105 (Su 1938: 223), 6.31.154 (Su 1938: 684) and (6.58.44 (Su 1938: 790) respectively).
  - 64 Dalhana seemed confused about the racket-tailed drongo (भृङ्गराज). He called it a generic drongo (भ्रमरक), a word that can also mean "bee," (Dave 1985: 62), and then said that it is like the black drongo (धूम्याट) (for a nice explanation of this name, see Dave 1985: 62–63) and that people call it "the king of birds."
  - 65 MS Kathmandu KL 699 reads bull (বৃषभ) for Chital deer (पृषत). The latter may perhaps be mistaken for the former in the Newa script, although the reading of MS Kathmandu KL 699 is hard to read at this point.
  - 66 "Tainted" translates उपक्षिप्त. The word's semantic field includes "to hurl, throw against," and especially "to insult verbally, insinuate, accuse." The commentator Palhaṇa glossed the term as, "spoiled food given to be eaten" (विदूषितस्यान्नस्य भोक्तुं दत्तस्य), but he noted that some people read "उखाक्षिप्त" or "thrown into a pan." Other translators have commonly translated it as "served," perhaps influenced by Palhaṇa's "given (दत्त)."
  - The vulgate supplies another phrase and verb at this point that is not present in the Nepalese transmission, but that makes the text flow more easily.
  - 68 Singh and Chunekar (1972: 350) discussed the difficulties in identifying लामज्ज, a plant cited more often in the *Suśrutasaṃhitā* than in the *Carakasaṃhitā*; Dalhaṇa adopted the common view that it is a type of *uśīra* or vetiver grass. The grammatical

- 37 Held in the hand, it makes the hand burn, and the nails fall out. In such a case, the ointment (*pralepa*) is beautyberry (*śyāmā*), velvet-mite (*indragopa*), soma and water-lily (*utpala*).<sup>69</sup>
- 38–39 If he eats that food, through inattention or by mistake, then his tongue will feel like a pebble  $(a 
  otin thilde{$ 
  - On reaching his stomach, it causes stupor  $(m\bar{u}rcch\bar{a})$ , vomiting, the hair stands on end, there is distension, a burning feeling and an impairment of the senses.<sup>72</sup>
  - 41 In this case, vomiting must quickly be induced using the fruits of emetic
    - neuter form मधुस् "sweetness" of the Nepalese manuscripts is less common than neuter मधु "honey, sweetness, liquorice."
  - 69 "Beautyberry" (Callicarpa macrophylla Vahl.) is one identification of श्यामा, but vaidyas and commentators have different ideas about the plant's identity (see Singh and Chunekar 1972: 410; Warrier et al. 1994–6: 1: 334; Nadkarni 1954: #420).
    - On translating इन्द्रगोप as "velvet-mite," see Lienhard 1978. Dalhaṇa's remarks show that he had a reading इन्द्रागोपा before him, and he tries to explain इन्द्रा and गोपा as separate plants. But he also says that some people read इन्द्रगोप.
    - Dalhaṇa curiously parses the name सोमा (f.) out of the compound; this feminine noun is almost unknown to Ayurvedic literature. Some dictionaries and commentators consider it a synonym for गुडूची, others for ब्राह्मी or चन्द्रतरु. Dalhaṇa also mentions that some people think the word refers to the soma creeper (सोमलता), which might explain his choice to take the word as feminine. But the compounded word is far more likely to be सोम (m.), the well-known mystery plant (see Wujastyk 2003: 76–78, 125). If this can be taken as rue (Ruta graveolens, L.), as some assert, one can point to a pleasing passage in Dioscorides where rue plays an antitoxic role: "...it is a counterpoison of serpents, the stinging of Scorpions, Bees, Hornets and Wasps; and it is reported that if a man be anointed with the juice of the Rue, these will not hurt him; and that the serpent is driven away at the smell thereof when it is burned; insomuch that when the weasel is to fight with the serpent she armeth herself by eating Rue, against the might of the serpent" (cited from Wren 1956: 262; not found in Osbaldeston and Wood 2000).
  - 70 The word সন্থীলা is normally feminine. The Nepalese manuscripts read it with a short अ- ending. Gayadāsa noticed that some manuscripts read সন্থীল with a short -अ ending (MS Bikaner RORI 5157, f. 5v:7–8) and Dalhana reproduced his observation. The vulgate reading "from his mouth (चास्यात्)" is more obvious (lectio facilior), but is not attested in the Nepalese manuscripts.
  - 71 Poisoned toothbrushes are discussed in verses 48 ff. below.
  - 72 I translate मूर्च्छा in the light of the metaphors discussed by Meulenbeld (2011), that include thickening and losing consciousness.

- nut (madana), bitter gourd ( $al\bar{a}bu$ ), red gourd ( $bimb\bar{\imath}$ ), and luffa ( $kos\bar{\imath}-tak\bar{\imath}$ ), taken with milk and watered buttermilk ( $uda\acute{s}vit$ ), or alternatively with rice-water.
- Reaching the intestines ( $pakv\bar{a}\acute{s}aya$ ), it causes a burning feeling, stupor, diarrhoea, thirst, impairment of the senses, flatulence ( $\bar{a}\acute{t}opa$ ) and it makes him pallid and thin.
- In such a case, purgation with the fruit of indigo  $(n\bar{\imath}l\bar{\imath})$ , together with ghee, is best. And 'slow-acting poison antidote  $(d\bar{\imath}s\bar{\imath}vis\bar{\imath}ari)$ ' should be drunk with honey and curds (dadhi).<sup>73</sup>
- When poison is in any liquid substances such as milk, wine or water, there are various streaks, and foam and bubbles form.
- And no reflections are visible or, however, if they can be seen once more, they are distorted, fractured, or tenuous and distorted too.<sup>74</sup>
- Vegetables, soups, food and meat are soggy and tasteless. They seem to go stale suddenly, and they have no aroma.
- 47 All edibles lack aroma, colour or taste. Ripe fruits rapidly rot  $(pra\sqrt{kuth})$  and unripe ones ripen.<sup>75</sup>
- When a toothbrush twig has poison on it, the bristles are corroded and the flesh of the tongue, gums and lips swells up.<sup>76</sup>
- Then, once his swelling is lanced, one should rub (*pratisāraṇa*) it with fire-flame bush flowers (*dhātakīpuṣpa*), jambul (*jambū*), mango stones (*āmrāsthi*) and chebulic myrobalan (*harītakī*) fruit mixed with honey.<sup>77</sup>
- 50 Alternatively, the rubbing (*pratisāraṇa*) can be done with either the roots of sage-leaved alangium (*aṅkolla*), the bark of blackboard tree

73 The 'slow-acting poison' is discussed at 5.2.25 ff. (Su 1938: 565).

- 74 Both Nepalese witnesses read distorted (vikṛta) twice, which is tautologous. In the first occurrence both read বিকৃরা without proper termination. One might read the sandhi in the second occurrence as or not distorted (vāvikṛtā), but this gives no better sense. The scribe of MS Kathmandu NAK 5-333, apparently the original hand, added in the margin the alternate reading "double (yamalā)" as in the vulgate. Perhaps the scribe too was troubled by the tautology. It is also evidence that he was aware of a witness with variant readings similar to the vulgate. We emend for grammar but retain the lectio difficilior.
- 75 The root  $\sqrt{3}$  equal with  $\sqrt{3}$  is apparently known only from its few uses in the Suśrutasaṃhitā.
- 76 Gayadāsa and Dalhaṇa point out that "enclosure of a tooth (दन्तवेष्ट)" and "flesh of the tooth (दन्तमांस)" have the same meaning (2.16.14–26 (Su 1938: 331–332)).
- 77 This recipe is different from the vulgate.

I'm still unhappy about this

Mention this in the introduction as an example of the scribe knowing the vulgate

fn about sadyas+

- (saptachada) or siris seeds (śirīṣamāṣaka).<sup>78</sup>
- One should give advice about a poisoned tongue-scraper or mouthwash (*kavala*) in the same way as for a toothbrush twig.
- 51cd Massage oil that has been laced with poison is slimy, thick and discoloured.
  - When the massage oil has been contaminated with poison, boils arise, pain, a discharge  $(sr\bar{a}va)$ , inflammation of the skin, and sweating.<sup>79</sup> And the flesh  $(m\bar{a}msa)$  splits open.
- In such a case, sandalwood, Indian rose-bay (tagara), so costus, and vetiver grass (uśīra), bamboo leaves (veṇupatrikā), heart-leaved moonseed (somavallī) and calamine (amṛtā), white clitoria (śvetā), sacred lotus (padma), and Indian barberry (kālīyaka) should be made into an ointment (anulepana) for the patient, who has been sprinkled with cold water. That is also recommended as a drink with the juice and leaves of wood apple (kapittha). so
  - In the case of a dry rub (*utsādana*), a shower (*parīṣeka*), an infusion, a massage ointment (*anulepana*), or in beds, clothes, or armour, the physician should understand that it is the same as for massage (*abhyaṅga*).<sup>82</sup>
- When a comb has poison in it, the hair falls out, the head aches and blood oozes from the follicles (*kha*) and lumps (*granthi*) appear on the head. In such a case, one should repeatedly apply an ointment of black earth soaked with bear's bile, ghee, beautyberry (*śyāmā*), black creeper (*pālindī*) and amaranth (*taṇḍulīyaka*). Good alternatives are

Bear's bile instead of deer's bile.

- 78 The spelling of the name अङ्कोल varies अङ्कोट, अङ्कोठ, अङ्कोल (Singh and Chunekar 1972: 5); Dalhaṇa notes that the form अङ्कोल is a colloquialism (1.37.12 (Su 1938: 161)). The sentence is awkward and we have emended शिरीषमाषक to be a plural, as in the vulgate, rather than the ablative singular of the Nepalese witnesses. We follow Dalhaṇa in interpreting the compound to refer to the distinctive bean-like siris seeds, rather than to mung beans (माषक) (5.1.50 (Su 1938: 562)).
- 79 The feminine स्फोटा for "boils" is unattested.
- 80 Some say तगर is Indian valerian, but there remain many historical questions about the ancient and regional identities of this plant (see, e.g., Singh and Chunekar 1972: 173-174)[334]avs.
- 81 This compound could be interpreted as "wood apple juice and cassia cinnamon (*patra*)." Note that this recipe is differs from that of the vulgate, which requires urine.
- 82 See verse 52 above.
- 83 Dalhaṇa comments here that 'bile is that fluid which goes along inside the tube attached to the liver' (कालखण्डलग्रनलिकामध्यगतजलं पित्तम्) 5.1.57 (Su 1938: 562).
- 84 See note 69.

- either the fluid extract of cow-dung, or the juice of jasmine  $(m\bar{a}lat\bar{\iota})$ , the juice of woodrose  $(m\bar{u}sikakarn\bar{\iota})$ , or household soot.<sup>85</sup>
- If either massage oil for the head, or a helmet for the head, in a wash, turban, or garlands that are contaminated with poison, then one should treat it in the same way as a comb.
- When face make-up is poisoned, the face becomes dark and has the symptoms found with poisoned massage oil. It is covered with spots (kaṇṭaka) that are like lotus-spots (padminīkaṇṭaka). In this case, the drink is honey and ghee, and the ointment (pralepa) is sandalwood with ghee, curds (payasyā), honey, verbena (phañjī), scarlet mallow (bandhu-jīva) and hogweed (punarnavā). 87

punarṇṇavā in the N &

- 62–63ab Elephants and the like become ill and they dribble saliva. And the rider gets spots (*sphoṭa*) and a discharge on his scrotum, penis, and rectum. In this case, one prescribes the same therapy as for poisoned massage oil for both the rider and the mount.
- 63cd–65ab When there is poison in snuff (*nasya*) or smoke, the symptom (*liṅga*) is blood coming out of the apertures of the head (*kha*), a headache, a flow of mucus (*kapha*) and impairment of the senses.

  In such a case, ghee of cows etc., boiled up with their milk and atis roots (*ativisā*), is prescribed, with henna (*madayantikā*), as a cold drink

or errhine.

śrita for śrta

- Flowers lose their fragrance and colour, and wilt. On smelling them, he gets a headache and his eyes fill with water. In this case, the treatment is what was proposed above for vapour  $(b\bar{a}spa)$ , and that which was recounted for face make-up.
  - 85 The plant identifications in this passage follow Dalhaṇa's glosses, although he noted a difference of opinion on the identity of mouse-ear (mūṣikakarṇī). Singh and Chunekar 1972: 317; Sivarajan and Balachandran 1994: 23–25 discussed this issue well. The expression धूमो वागारसंजितः '...or the smoke termed "house" ' is commonly interpreted by translators and in Ayurvedic dictionaries as 'household soot,' and this does seem to be the meaning, in context. The term was comprehensively discussed by Meulenbeld (2008: 443).
  - 86 See the description of this condition at 2.13.40 (Su 1938: 323), where the skin on the face is characterized as having pale circular patches that are itchy and have spots.
  - 87 The common plant-name पुनर्नवा is read as पुनर्णवा in both Nepalese witnesses. This unusual form is technically-speaking legal according to Pāṇini 8.4.3, but is not attested in published texts. पुनर्णवा is found rarely in some other Nepalese manuscripts such as the *Brahmayāmala* (a.k.a. *Picumata*, 44.81, transcription thanks to Shaman Hatley), and elsewhere (e.g., in Gaṇapatiśāstrī 1920–5: 20, where it is the name of a constellation.

## **Abbreviations**

Ah 1939 Kumte, Annā Moreśvara, Navare, Kṛṣṇaśāstrī, and Parādkar,

Hariśāstrī (1939) (eds.), श्रीमद्वाग्भटिवरचितम् अष्टाङ्गहृदयम्, श्रीमद्र-रुणदत्तविरचितया सर्वाङ्गसुन्दराख्यया व्याख्यया, हेमाद्रिप्रणीतया आयुर्वेदर-सायनाह्वया टीकया च समुल्लसितम् = The Astāngahṛidaya (6th edn., Muṃbayyām: Nirṇayasāgara Press), ark:/13960/t3tt6967d.

Anup Anup Sanskrit Library (n.d.).

AS Asiatic Society (n.d.).

As 1980 Āṭhavale, Anaṃta Dāmodara (1980) (ed.), Aṣṭāṅgasaṅgrahaḥ.

Śrīmad Vṛddhavāgbhaṭaviracitaḥ Induvyākhyāsahitaḥ (Puṇe: Maheśa Anaṃta Āṭhavale, Śrīmad Ātreya Prakāśanam), ark:/

13960/t9773bb9z.

Bhela 1921 Mookerjee, Ashutosh and Ananta Krishna Shastri, Ved-

antabisharad (1921) (eds.), *The Bhela Samhita. Sanskrit Text* (Calcutta: University of Calcutta), ark:/13960/t3sv3157j; Based on two copies made of the Thanjavur codex unicus (MS Thanjavur TMSSML 10773, Burnell 1880:63–4, P. P. S.

Sastri 1933: #11085).

Bhela 2000 Krishnamurthy, K. H. (2000), Bhela-saṃhitā. Text with English

Translation, Commentary and Critical Notes (Haridas Ayurveda

Series, 8; Varanasi: Chaukhambha Visvabharati).

BL British Library (n.d.).

Ca. 1941 Ācārya, Yādavaśarma Trivikrama (1941) (ed.), महर्षिणा पुनर्व-

सुनोपदिष्टा, तच्छिष्येणाग्निवेशेन प्रणीता, चरकदृढबलाभ्यां प्रतिसंस्कृता च-रकसंहिता, श्रीचक्रपाणिदत्तविरचितया आयुर्वेददीपिकाव्याख्यया संवलिता (3rd edn., Mumbayyāṃ: Nirnaya Sagara Press), url, accessed

01/01/2018.

HIML Meulenbeld, Gerrit Jan (1999–2002), A History of Indian

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# Glossary

abhyaṅga	śyāmā 26, 28	datta
massage 28	bhramaraka	given 25
massage oil 24	drongo 25	decoctions
alābu	bhṛṅgarāja	kaṣāya 24
bitter gourd 27	racket-tailed	dhātakīpuṣpa 💮 🗼
amaranth	drongo 25	fire-flame bush
taṇḍulīyaka 28	bimbī	flowers 27
āmrāsthi	red gourd 27	dhūma
mango stones 27	bitter gourd	inhaled smoke 24
amṛtā	alābu 27	dhūmyāṭa
calamine 28	black creeper	black drongo 25
añjana	pālindī 28	dhyāma
eye make-up 24	black drongo	grimy 24
aṅkolla	dhūmyāṭa 25	discharge
sage-leaved	blackboard tree	srāva 28
alangium 27	saptachada 28	distorted
anulepana	body language	vikṛta <mark>27</mark>
massage ointment	iṅgita <mark>24</mark>	double
24, 28	bull	yamalā <mark>27</mark>
ointment 28	vṛṣabha 25	drongo
apertures of the head		bhramaraka 25
kha <b>29</b>	calamine	dry rub
aṣṭhīlā	amṛtā 28	utsādana 28
pebble 26	cassia cinnamon	dry rubs
atis roots	patra 28	utsādana <mark>24</mark>
ativiṣā 29	cāsyāt	dūṣīviṣāri
ativiṣā	from his mouth 26	slow-acting poison
atis roots 29	chebulic myrobalan	antidote 27
āṭopa	harītakī 27	
flatulence 27	chital deer	emetic nut
avalekhana	pṛṣata 25	madana 27
combs 24	combs	enclosure of a tooth
11:	avalekhana 24	dantaveșța 27
bali	curds	eye make-up
morsel 24	dadhi 27	añjana 24
bamboo leaves	payasyā <mark>29</mark>	fire-flame bush flowers
veņupatrikā 28	dadhi	
bandhujīva		dhātakīpuṣpa 27
scarlet mallow 29	curds 27 dantamāmsa	flatulence
bāṣpa	•	āṭopa 27 flesh
vapour 25f, 29	flesh of the tooth 27	110011
bearers vodhāra 24	dantaveṣṭa enclosure of a tooth	māṃsa 28 flesh of the tooth
•		
beautyberry	27	dantamāṃsa 27

follicles	mālatī 29	mahānasa
kha 28		kitchen 23
from his mouth	kālīyaka	mālatī
cāsyāt <mark>26</mark>	indian barberry 28	jasmine 29
· ·	kaṇṭaka	māṃsa
garlands	spots 29	flesh 28
sraj 24	kapha	mango stones
given	mucus 29	āmrāsthi 27
datta 25	kapittha	māṣaka
granthi	wood apple 28	mung beans 28
lumps 28	kaṣāya	massage
grimy	decoctions 24	abhyanga 28
dhyāma 24	kāśipati	massage oil
,	lord of kāśī 23	abhyanga 24
harītakī	kavala	massage ointment
chebulic	mouthwash 28	anulepana 24, 28
myrobalan 27	kha	morsel
heart-leaved moonseed	apertures of the	bali 24
somavallī 28	head 29	mouse-ear
henna	follicles 28	mūṣikakarṇī 29
madayantikā 29	kitchen	mouthwash
hogweed	mahānasa 23	kavala 28
punarnavā 29	kosītakī	mucus
honey	luffa 27	kapha 29
madhus 25	7	mung beans
3	lāmajja grass	māṣaka 28
indian barberry	lāmajja 25	mūrcchā
kālīyaka 28	lāmajja ,,	stupor 26
indian rose-bay	lāmajja grass 25	mūṣikakarṇī
tagara 28	liṅga	mouse-ear 29
indigo	symptom 29	woodrose 29
nīlī <b>2</b> 7	lord of kāśī	woodfose 29
indragopa	kāśipati 23	nalada
velvet-mite 26	lotus-spots	spikenard 25
iṅgita	padminīkaṇṭaka 29	nasya
body language 24	luffa	snuff 24
inhaled smoke	koṣītakī 27	nasya
dhūma 24	lumps	snuff 29
intestines	granthi 28	nīlī
pakvāśaya 27	grantin 20	indigo 27
puiceusugu 27	madana	margo 2/
jambū	emetic nut 27	ointment
jambul 27	madayantikā	anulepana 28
jambul	henna 29	pralepa 26, 29
jambū 27	madhus	or not distorted
jasmine	honey 25	vāvikṛtā 27
justimic	11011Cy 25	onoiki in 2/

padma	saptachada	indian rose-bay 28
sacred lotus 28	blackboard tree 28	taṇḍulīyaka
padminīkaṇṭaka	scarlet mallow	amaranth 28
lotus-spots 29	bandhujīva <mark>29</mark>	
pakvāśaya	shower	udaśvit
intestines 27	parīṣeka <mark>28</mark>	watered buttermilk
pālindī	siris seeds	27
black creeper 28	śirīṣamāṣaka 28	uśīra
parīṣeka	śirīṣamāṣaka	vetiver grass 28
shower 28	siris seeds 28	utpala
patra	śleșman	water-lily 26
cassia cinnamon 28	saliva 26	utsādana
payasyā	slow-acting poison	dry rub 28
curds 29	antidote	dry rubs 24
pebble	dūṣīviṣāri 27	
aṣṭhīlā 26	snuff	vapour
phañjī	nasya 29	bāṣpa 25f, 29
verbena 29	snuff	vāvikṛtā
pra√kuth	nasya 24	or not distorted 27
rot 27	soma creeper	velvet-mite
pralepa	somalatā 26	indragopa <mark>26</mark>
ointment 26, 29	somalatā	veņupatrikā
pratisāraņa		bamboo leaves 28
rub 27	soma creeper 26 somavallī	verbena
•	heart-leaved	phañjī 29
rubbing 27	moonseed 28	vetiver grass
pṛṣata		uśīra 28
chital deer 25	sphoṭa	vikṛta
punarnavā	spots 29	distorted 27
hogweed 29	spikenard	voḍhāra
racket-tailed drongo	nalada 25	bearers 24
bhṛṅgarāja 25	spots	vṛṣabha
red gourd	kaṇṭaka 29	bull 25
bimbī 27	sphoṭa 29	. 1:1
rot	sraj	water-lily
pra√kuth 27	garlands 24	utpala 26
rub	srāva	watered buttermilk
pratisāraņa 27	discharge 28	udaśvit 27
rubbing	stupor	white clitoria
pratisāraņa 27	mūrcchā 26	śvetā 28
prationalia 27	śvetā	wood apple
sacred lotus	white clitoria 28	kapittha 28
padma 28	śyāmā	woodrose
sage-leaved alangium	beautyberry 26, 28	mūṣikakarṇī <mark>29</mark>
aṅkolla 27	symptom	
saliva	liṅga 29	yamalā
śleșman <mark>26</mark>	tagara	double 27
•	tagara	

# **Todo list**

Cf. Arthaśāstra 1.21.8	24
I'm still unhappy about this verse	27
Mention this in the introduction as an example of the scribe know-	
 ing the vulgate	27
fn about sadyas+	27
Bear's bile instead of deer's bile	
punarṇṇavā in the N & K MSS	
śrita for śṛta	
	30
	э 30
	э 36
Check out these refs	_
or a dual?	

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