# w Edition of the anhitā and Dominik Wujastyk of 13th October 2021 and Birch and Dominik Wujastyk and Dominik Wujas

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

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# Kalpasthāna, adhyāya 1

The first chapter of the Kalpasthāna of the *Suśrutasaṃhitā* addresses the topic of protecting a king from those who would assassinate him using poison. The king's kitchen is presented as the site of greatest vulnerability. The staff in the kitchen must be vetted carefully and watched for signs of dissimulation. The description of the body-language that tells a poisoner (verses 18–25) are engaging and vivid. These verses are closely parallel in sense to a passage in the *Arthaśāstra* that says,

The signs of a poisoner, on the other hand, are as follows: dry and dark look on the face, stuttering speech, excessive perspiration and yawn- ing, trembling, stumbling, looking around while speaking, agitation while working, and not remaining in his place.<sup>50</sup>

Next, the text discusses the signs of poison in toothbrushes, in food, drink, massage oil and other items that are likely to come into physical contact with the king. In passages that are again paralleled in the *Arthaśāstra* the work describes how poisoned food kills insects and crackles in a fire, flashing blue and the reactions of various birds to poison are described.<sup>51</sup>

The work then moves on to the various symptoms experienced by the king after being poisoned, and remedies appropriate to each case. Poison exhibits characteristic signs when added to milk and other drinks.<sup>52</sup> Further forms of poisoning, their symptoms and treatments are described and finally the king is advised to live amongst trusted friends and to protect his heart by drinking various ghee compounds. He should eat the meat and soup made from various animals, including peacock, mongoose, alligator, deer. The chapter ends with the description of an emetic.

### 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>53</sup> Translations

<sup>50</sup> *Arthaśāstra* 1.21.8 (Kangle 1969: 1, 30), translation by Olivelle (2013: 97).

<sup>51</sup> Cf. *Arthaśāstra* 1.21.6, *ibid.*, Olivelle (2013: 96).

<sup>52</sup> Cf. *Arthaśāstra* 1.21.6 again.

<sup>53</sup> HIML: IA, 289–290.

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>54</sup>

More recently, a discussion of the fourth chapter of this section in the light of the Nepalese manuscripts was published by Harimoto.<sup>55</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>56</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>57</sup> dated to 1165 ce noted in Bendall's chart of Nepalese letter-numerals Bendall 1883: Lithograph V, after p. 225

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

<sup>55</sup> Harimoto **2011**: 101–104.

The two editions that Harimoto noted, Su 1938 and Su 1889, present identical texts.

<sup>57</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>58</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>59</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>60</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>61</sup>
- 8–11 He should employ a doctor in his kitchen (*mahānasa*) who is respected
  - 58 MS H adds in the margin अथ खलु वत्स सुश्रुतः "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).
  - 59 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."
  - 60 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.
  - 61 The verb  $\sqrt{\text{s}}$  vas 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>62</sup> have clean utensils and be staffed by men and women who have been vetted.<sup>63</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>64</sup>
- 18cd–19ab An expert knows people's body language (*ingita*) 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>65</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>62</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>63</sup> Verses detailing the ideal staff are omitted in the Nepalese manuscripts. Cf. Su 1938: 560; Wujastyk 2003: 132.

<sup>64</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>65</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>66</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>67</sup> The chital deer sheds tears and the monkey releases excrement.<sup>68</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>69</sup>
- 35, 36cd In such a case, an errhine and a collyrium that are costus, lāmajja grass  $(l\bar{a}majja)$ , spikenard (nalada) and honey (madhus);<sup>70</sup> a paste of sandalwood on the heart may also provide relief.<sup>71</sup>
  - 66 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 कैचर (1.46.105 (Su 1938: 223), 6.31.154 (Su 1938: 684) and (6.58.44 (Su 1938: 790) respectively).
  - 67 Dalhaṇa 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."
  - 68 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.
  - 69 "Tainted" translates उपक्षिप्त. The word's semantic field includes "to hurl, throw against," and especially "to insult verbally, insinuate, accuse." The commentator Dalhaṇa 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 Dalhaṇa's "given (दत्त)."
  - 70 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.
  - 71 Singh and Chunekar (1972: 350) discussed the difficulties in identifying লামজ, 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>72</sup>
- 38–39 If he eats that food, through inattention or by mistake, then his tongue will feel like a pebble  $(aṣṭh\bar{\imath}l\bar{a})$  and it will lose its sense of taste. It stings and burns, and his saliva  $(\acute{s}lesman)$  dribbles out.<sup>73</sup> In such a case, he should apply the treatment recommended above for vapour  $(b\bar{a}spa)$ , and what will be stated below under "toothbrush twigs".<sup>74</sup>
  - 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>75</sup>
  - 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."
  - 72 "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 गुड्ची, 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).
  - The word अष्ठीला is normally feminine. The Nepalese manuscripts read it with a short अ- ending. Gayadāsa noticed that some manuscripts read সন্তুত্তিক 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.
  - 74 Poisoned toothbrushes are discussed in verses 48 ff. below.
  - 75 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>76</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>77</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>78</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>79</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>80</sup>
- 50 Alternatively, the rubbing (*pratisāraṇa*) can be done with either the roots of sage-leaved alangium (*aṅkolla*), the bark of blackboard tree

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

- Both Nepalese witnesses read distorted (*vikṛta*) twice, which is tautologous. In the first occurrence both read विकृता 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*.
- 78 The root  $\sqrt{3}$  eq "stink, putrify, rot" is apparently known only from its few uses in the Suśrutasaṃhitā.
- 79 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)).
- 80 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).81
- 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>82</sup> And the flesh  $(m\bar{a}msa)$  splits open.
- In such a case, sandalwood, Indian rose-bay (tagara), sostus, 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). 84
  - 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*).85
- 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, <sup>86</sup> ghee, beautyberry (*śyāmā*), <sup>87</sup> black creeper (*pālindī*) and amaranth (*taṇḍulīyaka*). Good alternatives are

Bear's bile instead of deer's bile.

<sup>81</sup> 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)).

<sup>82</sup> The feminine स्फोटा for "boils" is unattested.

<sup>83</sup> 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.

<sup>84</sup> 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.

<sup>85</sup> See verse 52 above.

<sup>86</sup> 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).

<sup>87</sup> See note **71**.

- 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>88</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 (kantaka) that are like lotus-spots ( $padmin\bar{\imath}kantaka$ ). In this case, the drink is honey and ghee, and the ointment (pralepa) is sandalwood with ghee, curds ( $payasy\bar{a}$ ), honey, verbena ( $phanj\bar{\imath}$ ), scarlet mallow ( $bandhu-j\bar{\imath}va$ ) and hogweed ( $punarnav\bar{a}$ ).

punarṇṇavā in the N & K MSS

- 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 (linga) 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 is traditional for face make-up.

- 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.
- 90 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.

<sup>88</sup> 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 वागारसंज्ञितः '...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).

# Uttaratantra, adhyāya 38

Now you can write 6.38.

# **Abbreviations**

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

Hariśāstrī (1939) (eds.), श्रीमद्वाग्भटविरचितम् 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.).

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01/01/2018.

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

Medical Literature, 5 vols. (Groningen: E. Forsten), ISBN:

9069801248.

KL *Kaiser Library* (n.d.).

NAK National Archives of Kathmandu (n.d.).

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- NGMCP (2014), 'Nepal-german Manuscript Cataloguing Project. Online Title List and Descriptive Catalogue', Universität Hamburg and Deutsche Forschungsgemeinschaft, URL.
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- Su 1889 Bhaṭṭācāryya, Jīvānanda Vidyāsāgara (1889) (ed.), सृश्रुतः. सूत्र-निदान-शारीर-चिकित्सा-कल्पोत्तर-तन्त्र-किल्पत आयुर्वेद. भगवता धन्वन्तरिणोपदिष्टः सृश्रुतनामधेयेन तच्छिष्येण विरचितः (3rd edn., Calcutta: Saratī Press), ark:/13960/t1nh6j09c; HIML:IB, 311, edition b.
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TMSSML Tanjore Maharaja Serfoji Saraswati Mahal Library (n.d.).

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# Glossary

abhyaṅga	śyāmā <b>27, 2</b> 9	datta
massage 29	bhramaraka	given 26
massage oil 25	drongo 26	decoctions
alābu	bhṛṅgarāja	kaṣāya 25
bitter gourd 28	racket-tailed	dhātakīpuṣpa
amaranth	drongo 26	fire-flame bush
taṇḍulīyaka 29	bimbī	flowers 28
āmrāsthi	red gourd 28	dhūma
mango stones 28	bitter gourd	inhaled smoke 25
amṛtā	alābu 28	dhūmyāṭa
calamine 29	black creeper	black drongo 26
añjana	pālindī 29	dhyāma
eye make-up 25	black drongo	grimy 25
aṅkolla	dhūmyāṭa 26	discharge
sage-leaved	blackboard tree	srāva 29
alangium 28	saptachada 29	distorted
anulepana	body language	vikṛta 28
massage ointment	ingita 25	double
25, 29	bull	yamalā 28
ointment 29	vṛṣabha <mark>26</mark>	drongo
apertures of the head	015u0tu 20	bhramaraka 26
kha 30	calamine	
aṣṭhīlā	amṛtā 29	dry rub utsādana 29
* *	cassia cinnamon	
pebble 27	patra 29	dry rubs
atis roots	•	utsādana 25
ativiṣā 30	cāsyāt	dūṣīviṣāri
ativiṣā	from his mouth 27	slow-acting poison
atis roots 30	chebulic myrobalan  harītakī 28	antidote 28
āṭopa		ama ati a maat
flatulence 28	chital deer	emetic nut
avalekhana	pṛṣata 26	madana 28
combs 25	combs	enclosure of a tooth
hali	avalekhana 25	dantaveșța 28
bali	curds	eye make-up
morsel 25	dadhi 28	añjana 25
bamboo leaves	payasyā <mark>30</mark>	C
veņupatrikā 29	1 11 .	fire-flame bush flowers
bandhujīva	dadhi	dhātakīpuṣpa 28
scarlet mallow 30	curds 28	flatulence
bāṣpa	dantamāṃsa	āṭopa 28
vapour 26f, 30	flesh of the tooth 28	flesh
bearers	dantavesṭa	māṃsa 29
vodhāra 25	enclosure of a tooth	flesh of the tooth
beautyberry	28	dantamāṃsa 28

follicles	mālatī 30	mahānasa
kha 29		kitchen 24
from his mouth	kālīyaka	mālatī
cāsyāt <mark>27</mark>	indian barberry 29	jasmine 30
enegur <b>=</b> /	kaṇṭaka	māṃsa
garlands	spots 30	flesh 29
	kapha	
sraj 25	•	mango stones
given	mucus 30	āmrāsthi 28
datta 26	kapittha	māṣaka
granthi	wood apple 29	mung beans 29
lumps 29	kaṣāya	massage
grimy	decoctions 25	abhyaṅga <mark>29</mark>
dhyāma 25	kāśipati	massage oil
	lord of kāśī 24	abhyanga 25
harītakī	kavala	massage ointment
chebulic	mouthwash 29	anulepana 25, 29
myrobalan 28	kha	morsel
heart-leaved moonseed	apertures of the	bali 25
somavallī 29	head 30	mouse-ear
henna	follicles 29	
madayantikā 30	kitchen	mūṣikakarṇī 30
		mouthwash
hogweed	mahānasa 24	kavala 29
punarnavā 30	koṣītakī	mucus
honey	luffa 28	kapha 30
madhus <mark>26</mark>	1-0	mung beans
. 1. 1 1	lāmajja grass	māṣaka 29
indian barberry	lāmajja <mark>26</mark>	mūrcchā
kālīyaka 29	lāmajja	stupor 27
indian rose-bay	lāmajja grass 26	mūṣikakarṇī
tagara 29	liṅga	mouse-ear 30
indigo	symptom 30	woodrose 30
nīlī 28	lord of kāśī	
indragopa	kāśipati 24	nalada
velvet-mite 27	lotus-spots	spikenard 26
iṅgita	padminīkaṇṭaka 30	nasya
body language 25	luffa	snuff 25
inhaled smoke	koṣītakī 28	
dhūma 25	lumps	nasya snuff 30
intestines	granthi 29	nīlī
	gruntini 29	
pakvāśaya 28	madana	indigo 28
iamhū		ointment
jambū	emetic nut 28	
jambul 28	madayantikā	anulepana 29
jambul	henna 30	pralepa <b>27,</b> 30
jambū <mark>2</mark> 8	madhus	or not distorted
jasmine	honey 26	vāvikṛtā <mark>28</mark>
	59	

padma	saptachada	indian rose-bay 29
sacred lotus 29	blackboard tree 29	taṇḍulīyaka
padminīkaṇṭaka	scarlet mallow	amaranth 29
lotus-spots 30	bandhujīva 30	
pakvāśaya	shower	udaśvit
intestines 28	parīṣeka 29	watered buttermilk
pālindī	siris seeds	28
black creeper 29	śirīṣamāṣaka 29	uśīra
parīṣeka	śirīṣamāṣaka	vetiver grass 29
shower 29	siris seeds 29	utpala
patra	śleșman	water-lily 27
cassia cinnamon 29	saliva 27	utsādana
payasyā	slow-acting poison	dry rub 29
curds 30	antidote	dry rubs 25
pebble	dūṣīviṣāri 28	
aṣṭhīlā 27	snuff	vapour
phañjī	nasya 30	bāṣpa 26f, 30
verbena 30	snuff	vāvikṛtā
pra√kuth	nasya 25	or not distorted 28
rot 28	soma creeper	velvet-mite
pralepa	somalatā 27	indragopa <mark>27</mark>
• •	somalatā	veņupatrikā
ointment 27, 30 pratisāraņa		bamboo leaves 29
rub 28	soma creeper 27 somavallī	verbena
	heart-leaved	phañjī 30
rubbing 28		vetiver grass
pṛṣata chital deer 26	moonseed 29	uśīra <mark>29</mark>
	sphoṭa	vikṛta
punarnavā	spots 30	distorted 28
hogweed 30	spikenard	voḍhāra
racket-tailed drongo	nalada 26	bearers 25
bhṛṅgarāja <mark>26</mark>	spots	vṛṣabha
red gourd	kaṇṭaka 30	bull 26
bimbī 28	sphoṭa 30	. 14
rot	sraj	water-lily
pra√kuth 28	garlands 25	utpala 27
rub	srāva	watered buttermilk
pratisāraņa 28	discharge 29	udaśvit 28
rubbing	stupor	white clitoria
pratisāraņa 28	mūrcchā 27	śvetā 29
pratisaraņa 20	śvetā	wood apple
sacred lotus	white clitoria 29	kapittha 29
padma <mark>29</mark>	śyāmā	woodrose
sage-leaved alangium	beautyberry 27, 29	mūṣikakarṇī 30
aṅkolla 28	symptom	
saliva	liṅga 30	yamalā
śleșman 27	tagaya	double 28
•	tagara	

# **Todo list**

Cf. Arthaśāstra 1.21.8	25
I'm still unhappy about this verse	28
Mention this in the introduction as an example of the scribe know-	
 ing the vulgate	28
fn about sadyas+	
Bear's bile instead of deer's bile	
punarṇṇavā in the N & K MSS	
śrita for śṛta	
where is cutting with a knife related to removing bile or phlegm	30
maṣī burned charcoal. Find refs	30
	36
Check out these refs	
or a dual?	

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