

A Translation of the New Edition of the *Suśrutasamhitā*

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Draft of 13th October 2022
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Kalpasthāna, adhyāya 3

Introduction

Translation

1 And now we shall explain the rule (*kalpa*) that is the required knowledge about mobile poisons.²⁰¹

2

3 The full explanation about the sixteen carriers (*adhiṣṭhāna*) of the mobile poisons, that have been mentioned by me in brief, will be stated.

²⁰²

4 In that context, they are:

- sight and breath,
- teeth and nails,
- **mouth,**
- urine and faeces,
- **menstrual blood,**
- semen,
- **penis,**
- saliva,
- **lethal points,**
- nipping with the mouth (*mukhasaṃdaṃśā*),
- fart (*avaśardhita*),²⁰³
- **anus,**²⁰⁴
- bones,
- bile,
- bristles (*śūka*), and
- corpses.

5 TBA

6 **The enemies of the king pollute the waters, roads and foodstuffs in enemy**

Come back to the issue of "kalpa". Look up passages in the Kośa.

²⁰¹ In contrast to stationary, plant poisons. No reference is made to Dhanvantari (see Birch, Wujastyk, Klebanov, Parameswaran, et al. 2021).

²⁰² "Carrier" for base, foundation (*adhiṣṭhāna*) tries to capture the idea that the author will describe the creatures in which poisons inhere.

²⁰³ This interpretation comes from Ḍaḥaṇa on 5.3.4 (Su 1938: 567), but he reads विशर्धित.

²⁰⁴ Ḍaḥaṇa on 5.3.4 (Su 1938: 567) noted this reading.

territory. The experienced physician, who has learned how to purify things, should clean up those polluted things.

- 7 Polluted water is slimy and smells of tears.²⁰⁵ It is covered with froth and covered with streaks. The frogs and fish die, the birds are crazed and, along with the wetland creatures, they wander about aimlessly.
- 8 Men, horses and elephants who swim in it experience vomiting, delusion, fever, swelling and sharp pains.²⁰⁶ He should try to purify that polluted water, after curing their ailments.
- 9 And so, he should burn **axlewood** and **garjan oil tree**, as well as **corky coral tree**, with **crimson trumpet-flower tree** and **small-flowered crape myrtle** and **weaver's beam tree**, and with **golden shower tree** and **white cutch tree**. Then he should sprinkle that ash, cold, on the waters.
- 10–11 And in the same way, putting a handful of the ash in a pot, one may also purify water that one wants.
If any one of the limbs of cows, horses, elephants, men or women, touch a place on the ground that enemies have spoiled with poison, or a ford or rock or a flat surface, then it swells up and burns and its hair and nails fall out on that place.²⁰⁷
- 12 In that case, one should grind up **country sarsaparilla** together with all the aromatic items, with wines, ????. Then he should sprinkle the paths to be used. Then the shoot, and together with mud, ...
- 13

205 अस्त्र normally means “tears,” but rarely means “blood.”

206 On the polysemy of elephant/snake (*nāga*), see Semeka-Pankratov 1979.

207 “Swells up” translates an unclear reading that was probably शूयति, which may be an irregular form of √शू, श्वा, श्वि (see Whitney 1885: 175–176).

Editions and Abbreviations

Ah 1939	Kuṁṭe, Anṇā Moreśvara, Navare, Kṛṣṇaśāstrī, and Parādkar, Hariśāstrī (1939) (eds.), श्रीमद्वाग्भटविरचितम् अष्टाङ्गहृदयम्, श्रीमदरुणदत्तविरचितया सर्वाङ्गसुन्दराख्यया व्याख्यया, हेमाद्रिप्रणीतया आयुर्वेदरसायनाह्वया टीकया च समुल्लसितम् = <i>The Astāṅgahridaya</i> (6th edn., Mum̐bayyām: Nirṇayasāgara Press), ark:/13960/t3tt6967d .
Anup	<i>Anup Sanskrit Library</i> (n.d.).
Anup	<i>Anup Sanskrit Library</i> (n.d.).
Apte	Apte, Vaman Shivaram (1992), <i>The Practical Sanskrit-English Dictionary</i> (Kyoto: Rinsen Book Company), ISBN: 4-653-00038-7; Reprinted from Gode and Karve 1957-9.
AS	<i>Asiatic Society</i> (n.d.).
As 1980	Āṭhavale, Anaṁta Dāmodara (1980) (ed.), <i>Aṣṭāṅgasan̐grahaḥ. Śrīmad Vṛddhavāgbhaṭaviracitaḥ Induvyākhyāsahitaḥ</i> (Pune: Maheśa Anaṁta Āṭhavale, Śrīmad Ātreya Prakāśanam), ark:/13960/t9773bb9z .
Bhela 1921	Mookerjee, Ashutosh and Ananta Krishna Shastri, Vedantabisharad (1921) (eds.), <i>The Bhela Samhita. Sanskrit Text</i> (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), <i>Bhela-saṁhitā. Text with English Translation, Commentary and Critical Notes</i> (Haridas Ayurveda Series, 8; Varanasi: Chaukhambha Visvabharati).
BL	<i>British Library</i> (n.d.).
Ca. 1941	Ācārya, Yādavaśarma Trivikrama (1941) (ed.), महर्षिणा पुनर्वसुनोपदिष्टा, तच्छिष्येणाग्निवेशेन प्रणीता, चरकदृढबलाभ्यां प्रतिसंस्कृता चरकसंहिता, श्रीचक्रपाणिदत्तविरचितया आयुर्वेददीपिकाव्याख्यया संवलिता (3rd edn., Mum̐bayyām: Nirṇaya Sagara Press), URL , accessed 01/01/2018.
HIML	Meulenbeld, Gerrit Jan (1999-2002), <i>A History of Indian Medical Literature</i> , 5 vols. (Groningen: E. Forsten), ISBN: 9069801248.

IOLR	Eggeling, Julius et al. (1887–1935), <i>Catalogue of the Sanskrit Manuscripts in the Library of the India Office</i> (London: Secretary of State for India).
KL	<i>Kaiser Library</i> (n.d.).
MW	Monier-Williams, Monier, Leumann, E., Cappeller, C., et al. (1899), <i>A Sanskrit–English Dictionary Etymologically and Philologically Arranged, New Edition</i> (Oxford: Clarendon Press); 1970 reprint.
NAK	<i>National Archives of Kathmandu</i> (n.d.).
NCC	Raghavan, V. et al. (1949–), <i>New Catalogus Catalogorum, an Alphabetical Register of Sanskrit and Allied Works and Authors</i> , 39 vols. (Madras University Sanskrit Series; Madras: University of Madras); v.1: revised edition, 1968.
NGMCP	NGMCP (2014), ‘Nepal-german Manuscript Cataloguing Project. Online Title List and Descriptive Catalogue’, Universität Hamburg and Deutsche Forschungsgemeinschaft, URL .
RORI	<i>Rajasthan Oriental Research Institute</i> (n.d.).
Su 1889	Bhaṭṭācāryya, Jīvānanda Vidyāsāgara (1889) (ed.), सुश्रुतः. सूत्र-निदान-शारीर-चिकित्सा-कल्पोत्तर-तन्त्र-कल्पित आयुर्वेद. भगवता धन्वन्तरिणोपदिष्टः सुश्रुतनामधेयेन तच्छिष्येण विरचितः (3rd edn., Calcutta: Saratī Press), ark:/13960/t1nh6j09c ; HIML : IB, 311, edition b.
Su 1915	Ācārya, Yādavaśarma Trivikrama (1915) (ed.), सुश्रुतसंहिता, सुश्रुतेन विरचिता, वैद्यवरश्रीडल्हणाचार्यविरचितया निबन्धसंग्रहाख्यव्याख्यया समुल्लसिता, आचार्योपाह्वेन त्रिविक्रमात्मजेन यादवशर्मणा संशोधिता = <i>The Sushrutasamhita of Sushruta, the Nibandhasangraha Commentary of Shri Dalhaṇāchārya</i> (Mumbayyām: Nirṇayasāgaramudrāyantrālaye), ark:/13960/t3sv0mt50 , accessed 29/07/2020; HIML : IB, 312 edition *v.
Su 1931	Ācārya, Yādavaśarma Trivikrama (1931) (ed.), सुश्रुतसंहिता, वैद्यवरश्रीडल्हणाचार्यविरचितया निबन्धसंग्रहाख्यव्याख्यया समुल्लसिता, महर्षिणा सुश्रुतेन विरचिता, सूत्र-निदान-शारीर-चिकित्सा-कल्पस्थानोत्तरतन्त्रात्मकः. आचार्योपाह्वेन त्रिविक्रमात्मजेन यादवशर्मणा संशोधिता = <i>The Sushrutasamhitā of Sushruta with the Nibandhasangraha Commentary of Shree Dalhaṇāchārya</i> (2nd edn., Mumbayyām: Pāṇḍuraṅga Jāvajī at

- the Nirṇayasāgaramudrāyantrālaye), [ark : / 13960 / t9j41sg94](https://nirayasaagara.org/ark:/13960/t9j41sg94), accessed 09/06/2020; [HIML](https://nirayasaagara.org/): IB, 312 edition *v.
- Su 1938 Ācārya, Yādavaśarma Trivikrama and Ācārya, Nārāyaṇa Rāma (1938) (eds.), श्रीडल्हणाचार्यविरचितया निबन्धसंग्रहाख्यव्याख्यया निदानस्थानस्य श्रीगयदासाचार्यविरचितया न्यायचन्द्रिकाख्यपञ्जिकाव्याख्यया च समुल्लसिता महर्षिणा सुश्रुतेन विरचिता सुश्रुतसंहिता (3rd edn., Bombay: Nirṇayasāgara Press), [ark : / 13960 / t09x0sk1h](https://nirayasaagara.org/ark:/13960/t09x0sk1h); [HIML](https://nirayasaagara.org/): IB, 313, edition cc ('the vulgate').
- Su 1938² Ācārya, Yādavaśarma Trivikrama and Ācārya, Nārāyaṇa Rāma (2004) (eds.), महर्षिणा सुश्रुतेन विरचिता सुश्रुतसंहिता, श्रीडल्हणाचार्यविरचितया निबन्धसंग्रहाख्यव्याख्यया निदानस्थानस्य श्रीगयदासाचार्यविरचितया न्यायचन्द्रिकाख्यपञ्जिकाव्याख्यया च समुल्लसिता (Vārāṇasī: Caukhambhā Kṛṣṇadāsa Akādamī); Reprint of the third, 1938 edition (Su 1938).
- Su 1939 Ācārya, Yādavaśarma Trivikrama and Śarman, Nandakiśora (1939) (eds.), सुश्रुतसंहितायाः सूत्रस्थानम्, श्रीचक्रपाणिदत्तविरचितया भानुमतीव्याख्याया समेतम् = *Sushrut-saṅhitā (sūtra Sthān) with Bhānumatī Commentary by Chakrapāṇi Datta with Introduction by Gaṇanāth Sen* (Śrīsvāmī Lakṣmīrāma Nidhi Granthamālā = Shri Swāmī Lakshmī Rām Trust Series, 1; [Jaipur]: Śyāmasundara Śarman), [ark : / 13960 / t54g0d12m](https://nirayasaagara.org/ark:/13960/t54g0d12m); Printed at the Nirṇayasāgara Press, Bombay.
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- TMSSML *Tanjore Maharaja Serfoji Saraswati Mahal Library* (n.d.).
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- CIPP Pillay, V. V. (2010), 'Common Indian Poisonous Plants', in D. A. Warrell, T. M. Cox, and J. D. Firth (eds.), *Oxford Textbook of Medicine* (5th edn., Oxford University Press), 1371–5. DOI: [10.1093/med/9780199204854.003.090302](https://doi.org/10.1093/med/9780199204854.003.090302).
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Glossary

<i>adhiṣṭhāna</i>	- <i>adhiṣṭhāna</i> : 52	<i>nāga</i>
- base, foundation:	elephant/snake	- elephant/snake: 53
52	- <i>nāga</i> : 53	nipping with the mouth
- carriers: 52		- <i>mukhasaṃdaṃṣā</i> :
<i>avaśardhita</i>	fart	52
- fart: 52	- <i>avaśardhita</i> : 52	
base, foundation	<i>kalpa</i>	rule
- <i>adhiṣṭhāna</i> : 52	- rule: 52	- <i>kalpa</i> : 52
bristles	<i>mukhasaṃdaṃṣā</i>	
- <i>śūka</i> : 52	- nipping with the	<i>śūka</i>
carriers	mouth: 52	- bristles: 52

Glossary of Medical Substances

axlewood dhava. <i>Anogeissus latifolia</i> (Roxb. ex DC.) Wall. ex Guill & Perr. See AVS 1.163 f., GIMP : 20, 53	country sarsaparilla anantā. <i>Hemidesmus indicus</i> , (L.) R. Br. See ADPS 434, AVS 3.141–5, NK #1210., 53
beautyberry śyāmā → priyaṅgu. <i>Callicarpa macrophylla</i> , Vahl. See AVS 1.334, NK #420., 51	crape jasmine tagara. <i>Tabernaemontana divaricata</i> (L.) R.Br. ex Roem. & Schultes. See GJM 557, AVS 5.232., 51
beggarweed aṃśumatī. <i>Desmodium gangeticum</i> (L.) DC (Dymock 1.428, GJM 602, NK #1192; ADPS 382, 414 and AVS 2.319, 4.366 are confusing), 51	crimson trumpet-flower tree pāṭalā. <i>Stereospermum chelonides</i> , (L. f.) A. DC. See GJM 573, AVS 5.192ff., ADPS 362f., AVS 3.1848f., IGP 1120, Dymock 3.20ff., 53
cardamom elā. <i>Elettaria cardamomum</i> , Maton. See AVS 2.360, NK #924, Potter 66., 51	deodar bhadradāru. <i>Cedrus deodara</i> , (Roxb.ex D.Don) G. Don. See AVS 41, NK #516., 51
cassia cinnamon patra. <i>Cinnamomum tamala</i> , (Buch.-Ham.) Nees. See AVS 2.84, NK #., 51	embelia viḍaṅga. <i>Embelia ribes</i> , Burm. f. See ADPS 507, AVS 2.368, NK #929, Potter 113., 51
cherry elavāluka. <i>Prunus cerasus</i> , L.?. See BVDB 58, NK #2037, GVDB : 58., 51	false daisy (?) (su)bhaṅgura = bhṛṅga? <i>Eclipta prostrata</i> (L.) L. See GVDB : 288., 40
cobra's saffron nāgapuṣpa. = nāgakeśara. <i>Mesua ferrea</i> , L. See NK #1595, GVDB : 220, 51	garjan oil tree aśvakarṇa. <i>Dipterocarpus turbinatus</i> Gaertn. f. See GVDB : 28, GIMP : 100, 53
corky coral tree pāribhadra. <i>Erythrina suberosa</i> Roxb. See GVDB 245, 53	gold hema. gold., 51
costus kuṣṭha. <i>Saussurea costus</i> , Clarke. See NK #2239., 51	golden shower tree rājadruma = āragvadha. <i>Cassia fistula</i> L. See GVDB 37, 53
country mallow balā. <i>Sida cordifolia</i> , L. See ADPS 71, NK #2297., 51	hogweed punarnavā. <i>Boerhaavia diffusa</i> , L. See ADPS 387, AVS 1.281, NK #363., 50
	Indian barberry dāruharidrā. <i>Berberis aristata</i> , DC. See Dymock 1.65, NK #685,

- GJM 562, IGP 141., 51
- Indian madder mañjiṣṭhā. *Rubia cordifolia*, L.
See IGP, GIMP 215, GVDB: 289., 51
- Indian sarsaparilla sārivā. anantā
(*Hemidesmus indicus*, (L.) R. Br. ADPS 434, AVS 3.141–5, NK #1210) and black creeper (pālindī. *Ichnocarpus frutescens*, (L.) R.Br. or *Cryptolepis buehneri*, Roemer & Schultes AVS 3.141, 3.145, 3.203, NK #1283, #1210, ADPS 434), 51
- jequirity guñjā. *Abrus precatorius*, L. See AVS 1.10, NK #6, Potter 168., 40
- liquorice (?) klitaka. *Glycyrrhiza glabra*, L.? GVDB: 123–124 discuss the many difficulties in identifying this plant, 40
- liquorice madhuka. *Glycyrrhiza glabra*, L. See AVS 3.84, NK #1136., 51
- lodh tree lodhra. *Symplocos racemosa*, Roxb. See GJM 597, ADPS 279f., 51
- long pepper pippalī. *Piper longum*, L. See ADPS 374, NK #1928., 51
- natron suvarcikā. Sodium carbonate. NK 2, p. 101. Ḍalhaṇa identifies *suvarcikā* with *svarjikṣāra* 4.8.50 (Su 1938: 441), 51
- peas hareṇu = satīna. *Pisum sativum*, L. 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, 50, 51
- poison berry bṛhatī. *Solanum violaceum*, Ortega. See ADPS 100, NK #2329, AVS 5.151., 51
- pondweed paripelavā. Normally a neuter noun. Singh and Chuneekar (GVDB: 238, 264–265, 409) argued that *plava* and *śaivāla* are the same thing, and may be either *Zannichellia palustris*, L., or *Potamogeton pectinatus*, L., 51
- red chalk gairika., 51
- rosha grass dhyāmaka. *Cymbopogon martinii* (Roxb.) Wats. See AVS 2.285, NK #177., 51
- sandalwood candana. *Santalum album*, L. See ADPS 111, NK #2217., 51
- scented pavonia bālaka. *Pavonia odorata*, Willd. See ADPS 498, NK #1822., 51
- small-flowered crape myrtle sidhraka. *Lagerstroemia parviflora* Roxb. See GVDB: 432, 53
- spikenard māmsī. *Nardostachys grandiflora*, DC. See NK #1691., 51
- sugar sitā, sugar. Ḍalhaṇa makes this equation at 1.37.25 (Su 1938: 162), 51
- sweet-scented oleander aśvamāraka. *Nerium oleander*, L. See ADPS 223, NK #1709., 40
- three heating spices śuṇṭhī (Dried ginger) *Zingiber officinale*, Roscoe. ADPS 50, NK #2658, AVS 5.435, IGP 1232, pippalī (long pepper) *Piper longum*, L. ADPS 374, NK #1928, and marica (black pepper) *Piper nigrum*, L. ADPS 294, NK #1929., 50
- turmeric rajanī. *Curcuma longa*, L. ADPS 169, AVS 2.259, NK #750., 51
- water-lily utpala. *Nymphaea stellata*, Willd. See GJM 528, IGP 790; Dutt 110, NK #1726., 51
- weaver's beam tree muṣkaka. *Schrebera swietenoides*, Roxb. See AVS 5.88, Lord, NK #2246., 53
- white cutch tree somavalka. *Acacia polyacantha*, Willd. See AVS 1.30, IGP 7, GJM 602, AVS 2.935; pace NK #1038., 53
- yellow-berried nightshade kṣudrā. *Solanum virginianum*, L. See ADPS 100, NK #2329, AVS 5.164., 51

Appendix

On digital critical editions

- Price, Kenneth M. (2013), ‘Electronic Scholarly Editions’, in Ray Siemens and Susan Schreibman (eds.), *A Companion to Digital Literary Studies* (Chichester, UK: John Wiley & Sons, Ltd), 434–50. DOI: [10.1002/9781405177504.ch24](https://doi.org/10.1002/9781405177504.ch24), URL, accessed 04/07/2021.

A survey of the field in 2013, with a focus on the presentation of electronic texts rather than on critical editing as such.

- Moureau, Sébastien. (2015), ‘The Apparatus Criticus’, in Alessandro Bausi et al. (eds.), *Comparative Oriental Manuscript Studies: An Introduction* (Hamburg: Tredition), 348–52, ISBN: 978-3-7323-1768-4, URL, accessed 04/07/2021.

Useful discussion about the *apparatus criticus* in general, and an evaluation of the plus and minus points of positive and negative apparatuses.

- Burghart, Marjorie (2016), ‘The TEI Critical Apparatus Toolbox: Empowering Textual Scholars through Display, Control, and Comparison Features’, *Journal of the Text Encoding Initiative*, 10/Issue 10. DOI: [10.4000/jtei.1520](https://doi.org/10.4000/jtei.1520), URL, accessed 12/12/2017.

Discussion of a software tool, including the handling of positive and negative apparatus. Makes the assumption that online displays are notational variants only.

- Burghart, Marjorie (2017), ‘Textual Variants’, in Marjorie Burghart et al. (eds.), *Digital Editing of Medieval Texts: A Textbook* (DEMM), URL, accessed 04/07/2021.

Discussion of how to express various kinds of apparatus in TEI.

- Bausi, Alessandro et al. (2015), *Comparative Oriental Manuscript Studies. An Introduction* (Hamburg: Tredition). DOI: [10.5281/ZENODO.46784](https://doi.org/10.5281/ZENODO.46784).

A huge book that disappointingly says nothing at all about Sanskrit manuscripts. Nevertheless there are many interesting case studies and remarks applicable to the Indian manuscript tradition.

Todo list

■ añjana	25
■ Cf. Arthaśāstra 1.21.8.	31
■ I'm still unhappy about this verse.	34
■ Mention this in the introduction as an example of the scribe knowing the vulgate.	34
■ fn about sadyas+	34
■ Bear's bile instead of deer's bile.	35
■ punarṇṇavā in the N & K MSS	36
■ śrita for śṛta	36
■ explain more	36
■ Medical difference from Sharma.	36
■ example where the vulgate clarifies that these should be used separately; appears to be a gloss inserted into the vulgate text.	36
■ 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.	37
■ √ vyadh not √ vedh (also elsewhere and for the ears), causative optative.	37
■ opposite of the vulgate Same as 1.8.89 (As 1980: 79).	37
■ Medical difference.	38
■ Expected (CIPP): Croton tiglium, L. = Naepala, Jayapala, kanakaphala, titteriphala (NL #720); Calotropis spp.; Citrullus colocynthus (colocynth); Ricinus communis (castor);	40
■ Note about Gayī's edition.	40
■ -> ativiṣa	45
■ Look up the ca. reference.	45
■ Come back to the issue of "kalpa". Look up passages in the Kośa.	52
■ where is cutting with a knife related to removing bile or phlegm.	54
■ maṣī burned charcoal. Find refs.	54
■ find ref.	60
■ Check out these refs.	60
■ meaning of kalpa	60
■ or a dual?	65

