A Translation of the New Edition of the Suśrutasamhitā

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Contents

Kalpasthāna, adhyāya 3	3
Introduction	3
Translation	3
Editions and Abbreviations	6
References	9
Botanical Reference Works	25
Glossary	26
On digital critical editions	102

Kalpasthāna, adhyāya 3

Introduction

Translation

- 1 And now we shall explain the rule (*kalpa*) that is the required knowledge about mobile poisons.¹
- Creatures with poison in their breath and gaze: snakes in heaven;
 - Creatures with poison in their bite: the ones on earth;
 - Creatures with poison in their nails, mouths and bites: cats, dogs, monkeys, men (*nara*), crocodiles, frogs, cook-fish (*pākamatsya*), monitor lizards, Shambuka (*śambuka*), Prachalaka (*pracalāka*), house lizard (*gṛha-godhikā*), and four-footed insects and others.
- 3 The full explanation about the sixteen carriers (*adhiṣṭhāna*) of the mobile poisons, that have been mentioned by me in brief, will be stated.²
- In that context, they are:
 - gaze and breath,
 - · teeth and nails,
 - · mouth,
 - urine and faeces,
 - menstrual blood,
 - semen,
 - penis,
 - saliva,
 - lethal points,
 - nipping with the mouth (*mukhasaṃdaṃśā*),
 - fart (avaśardhita),³
 - anus,4
 - bones,
 - bile,
 - bristles (śūka), and
- In contrast to stationary, plant poisons. No reference is made to Dhanvantari (see Birch, Wujastyk, Klebanov, Parameswaran, et al. 2021).
- ² "Carrier" for base, foundation (*adhiṣṭhāna*) tries to capture the idea that the author will describe the creatures in which poisons inhere.
- 3 This interpretation comes from Dalhana on 5.3.4 (Su 1938: 567), but he reads विशिष्त.
- 4 Dalhana on 5.3.4 (Su 1938: 567) noted this reading.

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

check MSS

check Dalhana

?

•

? and check reading of K; ñ ->ś

- corpses.
- 5 TBA
- 6 The enemies of the king pollute the waters, roads and foodstuffs in enemy 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.⁵ 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.⁶ 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.⁷
 - In that situation, he should grind up country sarsaparilla together with all the aromatic items, with alcoholic drinks. And then he should sprinkle the paths that need to be used with waters mixed with mud.⁸ And if there exists another path, he should go by that.⁹
 - When grasses and foods are polluted, people collapse, fall unconscious. And others vomit. They get loose stool (*viḍbheda*) or they die. One should apply to them the therapy as described.
- 14-15 Alternatively, one should wipe various musical instruments with antidotes that remove poison and then play them. What is called the most excellent

⁵ अस्र normally means "tears," but rarely means "blood."

⁶ On the polysemy of elephant/snake (*nāga*), see Semeka-Pankratov 1979.

^{7 &}quot;Swells up" translates an unclear reading that was probably श्यति, which may be an irregular form of $\sqrt{$ शू, श्वा, श्वि (see Whitney 1885: 175–176).

⁸ Our "alcoholic drinks" translates सुरा. For a discussion of this term at our period see McHugh 2021: 37–39 et passim.

⁹ Dalhaṇa on 5.3.12 (Su 1938: 568) cited a similar reading for the fourth pāda, but with a negative particle, "and if there is no other way, one should go by that."

paste for a musical instrument is certain minerals¹⁰ together with gold and sarsaparilla, and a portion of of nutgrass equal to that, together with the bile called "brown cow".¹¹ By the sound of the musical instrument, even terrible poisons that may be present at that place are destroyed.

- 16 If there is smoke or wind that is affected by poison then birds are dazed and fall to the ground. People get coughs, colds, and head illnesses, and acute eye diseases.¹²
- 17 The smoke and air can be purified by putting into the air: lac, turmeric, Himalayan monkshood, and myrobalan, with Himalayan mayapple, costus, cardamom, ¹³ and peas, and beautyberry.
- The arrogant demon called Kaiṭabha created an obstacle for lotus-born Brahmā, at the very time that he was creating these creatures.

write footnote: don't repeat ativiṣā; vulgate similar to H.

¹⁹

[&]quot;Certain minerals" translates तारावितार, the unanimous reading of the Nepalese witnesses. But the meaning of this expression is not clear and may even refer to plants, like the other ingredients. The vulgate reads तारः सुतारः, which is also not very clear. However, Dalhaṇa on 5.3.14 (Su 1938: 568) identified these as "silver" and "mercury." This is highly unlikely to be a correct understanding of the Suśrutasaṃhitā passage. Historically, mercury is not naturally present in the South Asian peninsula (Watt 1889–96: vol. 5, 233), and the word पारद that Dalhaṇa used is probably a loan-word from Persian (sub paranda, parranda Steingass 1930: 244b). Mercurial compounds are not reliably attested in South Asia until two or three centuries after the composition of the Suśrutasaṃhitā. The currently available "śāstric" recension of the Arthaśāstra that is datable to 175–300 CE (Olivelle 2013: 29–31) does not mention mercury (ibid, 534). See further the study by Wujastyk (2013a: 17, et passim).

¹¹ सुरेन्द्रगोप and कुरुविन्द are both uncertain, see index. Dalhana's opinion has been followed here, but it seems fair to say that all commentators were guessing.

¹² The syntax of this verse is somewhat loose; the vulgate has regularized it, smoothing out the difficulties.

Editions and Abbreviations

Ah 1939 Kuṃṭe, Aṇṇā Moreśvara, Navare, Kṛṣṇaśāstrī, and Parādkar,

Hariśāstrī (1939) (eds.), श्रीमद्वाग्भटिवरचितम् अष्टाङ्गहृद्यम्, श्रीमद्रुग्णदत्तिवरिचितया सर्वाङ्गसुन्दराख्यया व्याख्यया, हेमाद्रिप्रणीतया आयुर्वेदर-सायनाह्वया टीकया च समुस्रसितम् = The Astāngahridaya (6th edn., Muṃbayyām: Nirṇayasāgara Press), ark:/13960/t3tt6967d.

Anup Sanskrit Library (n.d.).
Anup Sanskrit Library (n.d.).

Apte Apte, Vaman Shivaram (1992), The Practical Sanskrit-English

Dictionary (Kyoto: Rinsen Book Company), ISBN: 4-653-00038-7;

Reprinted from Gode and Karve 1957-9.

AS Asiatic Society (n.d.).

As 1980 Āṭhavale, Anamta 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, Vedantabis-

harad (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-samhitā. 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 पुनर्वसुनोप-

दिष्टा, तिच्छिष्येणाग्निवेशेन प्रणीता, चरकदृढबलाभ्यां प्रतिसंस्कृता चरकसंहिता, श्रीचकपाणिदत्तविरचितया आयुर्वेददीपिकाव्याख्यया संविलता (3rd edn., Mumbayyām: Nirnaya Sagara Press), URL, accessed 01/01/2018.

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).

KL Kaiser Library (n.d.).

MN Ācārya, Yādavaśarma Trivikrama (1932) (ed.), महामतिश्रीमाधवक-

रप्रणीतं माधवनिदानम् श्रीविजयरक्षित-श्रीकण्थदत्ताभ्यां विरचितया मधुकोशा-ख्यव्याख्यया, श्रीवाचस्पतिवैद्यविरचितया आतङ्कदर्पणव्याख्याया विशिष्टांशेन च समुल्लस्तिम् = Mādhavanidāna by Mādhavakara with the Two Commentaries, Madhukosha by Vijayarakshita & Shrīkanthadatta and Ātankadarpaṇa by Vāchaspati Vaidya (3rd edn., Bombay: Nirnaya Sagara Press), ark:/13960/t66452x0h; Reprin-

ted Varanasi: Chowkhambha, 1986.

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 (n.d.).

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.

NGMCP (2014), "Nepal-german Manuscript Cataloguing Pro-

ject. Online Title List and Descriptive Catalogue," Universität

Hamburg and Deutsche Forschungsgemeinschaft, URL.

RORI Rajasthan Oriental Research Institute (n.d.).

Su 1889 Bhatṭācāryya, Jīvānanda Vidyāsāgara (1889) (ed.), सুখুন:.

सूत्र-निदान-शारीर-चिकित्सा-कल्पोत्तर-तन्त्र-किल्पत आयुर्वेद. भगवता धन्व-न्तरिणोपदिष्टः 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 समुल्लिसता, आचार्योपाह्वेन त्रिविकमात्मजेन यादवशर्मणा संशोधिता = The Sushrutasamhita of Sushruta, the Nibandhasangraha Commentary of Shri Dalhaṇāchārya (Mumbayyāṃ: Nirṇayasāgaramudrāyantrālaye), ark:/13960/t3sv0mt50, accessed 29/07/2020; HIML: IB, 312 edition *v.

Su 1931

Ācārya, Yādavaśarma Trivikrama (1931) (ed.), सुश्रुतसंहिता, वैद्यवरश्रीडल्हणाचार्यविरचितया निबन्धसंग्रहाख्यव्याख्यया समुष्ठासिता, महर्षिणा सुश्रुतेन विरचिता, सूत्र-निदान-शारीर-चिकित्सा-कल्पस्थानोत्तरतन्त्रात्मकः. आचार्योपाह्वेन त्रिविकमात्मजेन याद्वशर्मणा संशोधिता = The Sushrutasaṃhitā of Sushruta with the Nibandhasangraha Commentary of Shree Dalhaṇāchārya (2nd edn., Mumbayyāṃ: Pāṇḍuraṅga Jāvajī at the Nirṇayasāgaramudrāyantrālaye), ark:/13960/t9j41sg94, accessed 09/06/2020; HIML: IB, 312 edition *v.

Su 1938

Ācārya, Yādavaśarma Trivikrama and Ācārya, Nārāyaṇa Rāma (1938) (eds.), श्रीडल्हणाचार्यविरचितया निबन्धसंग्रहाख्यव्याख्यया निदानस्थानस्य श्रीगयदासाचार्यविरचितया न्यायचिन्द्रकाख्यपञ्जिकाव्याख्यया च सम्प्रहासिता महर्षिणा सुश्रुतेन विरचिता सुश्रुतसंहिता (3rd edn., Bombay: Nirṇayasāgara Press), ark:/13960/t09x0sk1h; HIML: IB, 313, edition cc ('the vulgate').

Su 1938²

Ācārya, Yādavaśarma Trivikrama and Ācārya, Nārāyaṇa Rāma (2004) (eds.), महर्षिणा सुश्रुतेन विरचिता सुश्रुतसंहिता, श्रीडल्हणाचा-र्यविरचितया निबन्धसंग्रहाख्यव्याख्यया निदानस्थानस्य श्रीगयदासाचार्य-विरचितया न्यायचन्द्रिकाख्यपञ्जिकाव्याख्यया च समुल्लसिता (Vārāṇasī: Caukhambhā Kṛṣṇadāsa Akādamī); Reprint of the third, 1938 edition (Su 1938).

Su 1939

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Su 1945 Ācārya, Yādavaśarma Trivikramācārya and Ācārya, Nārāyaṇa

Rāma (1945) (eds.), महर्षिणा सुश्रुतेन विरचिता सुश्रुतसंहिता (मूलमात्रा). पाठान्तर-परिशिष्टादिभिः संविलता = the Suśrutasaṃhitā of Suśruta with Various Readings, Notes and Appendix etc. (Mumbāi:

Nirņayasāgarākhyamudraņālaye), url.

TMSSML Tanjore Maharaja Serfoji Saraswati Mahal Library (n.d.).

Viṣṇudh. Śarman, Madhusūdana and Śarman, Mādhavaprasāda (1912)

(eds.), विष्णुधर्मोत्तरपुराणम् = [Viṣṇudharmottarapurāṇa] (Mumbai: Khemarāja Śrīkṛṣṇadāsa at the Śrīveṅkaṭeśvara Steam Press), ark:/13960/t6qz6fr23; Lithograph format. Edited on the basis of a manuscript belonging to the astrologer

Śudhākaraśarman of the Varanasi Sanskrit Pāṭhaśālā.

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Lexical Index

adhisthāna gṛhagodhikā nipping with the mouth base, foundation, 3 house lizard, 3 mukhasamdamśā, 3 carriers, 3 house lizard pākamatsya avaśardhita gṛhagodhikā, 3 cook-fish, 3 fart, 3 pracalāka kalpa prachalaka, 3 base, foundation rule, 3 prachalaka adhisthāna, 3 pracalāka, 3 bristles loose stool śūka, 3 vidbheda, 4 kalpa, 3 carriers men adhisthāna, 3 nara, 3 śambuka cook-fish mukhasamdamśā shambuka, 3 pākamatsya, 3 nipping with the shambuka mouth, 3 śambuka, 3 elephant/snake śūka nāga, 4 nāga bristles, 3 elephant/snake, 4 fart vidbheda nara avaśardhita, 3 loose stool, 4 men, 3

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ADPS Sivarajan, V. V. and Balachandran, Indira (1994), Ayurvedic Drugs

and Their Plant Sources (New Delhi, Bombay, Calcutta: Oxford

& IBH Publishing).

AVS Warrier, P. K., Nambiar, V. P. K., and Ramankutty, C. (1994-

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IGP

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Glossary

axlewood (*dhava*) Anogeissus latifolia (Roxb. ex DC.) Wall. ex Guill & Perr. See AVS: vol. 1, 163 f, Chopra: 20, 4

beautyberry (*priyaṅgu*) ← śyāmā. Callicarpa macrophylla, Vahl. See AVS: vol. 1, 334, NK: #420. Some say also Setaria italica Beauv. GVDB: 263−264. See also GVDB: 413, 5

cardamom (elā) Elettaria cardamomum,

Maton. See AVS: vol. 2, 360, NK: #924, Potter 66, 5

certain minerals (tārāvitāra) Unknown. It is not even certain that these are minerals. The variant reading in the vulgate, tāraḥ sutāraḥ was glossed by Dalhaṇa on 5.3.14 (Su 1938: 568) as follows tāro rūpyaṃ, sutāraḥ pāradaḥ, "tāra means silver; sutāra means mercury.", 4

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corky coral tree (pāribhadra) Erythrina
   suberosa Roxb. See GVDB 245, 4
costus (kustha) Saussurea costus, Clarke. See
   NK: #2239, 5
country sarsaparilla (anantā) Hemidesmus
   indicus, (L.) R. Br. See ADPS: 434,
   AVS: vol. 3, 141-5, NK: #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 fruitescens R. Rr.
   (GVDB: 429-431), 4
crape jasmine (tagara) Tabernaemontana
   divaricata (L.) R.Br. ex Roem. & Schultes.
   See GJM 557, AVS: vol. 5, 232. Synonym of
   ??. But some say Valeriana jatamansi,
   Jones See GVDB: 173-174 for discussion
   (and charming comments on brain liquid
   testing), 27
crimson trumpet-flower tree (pāṭalā)
   Stereospermum chelonides, (L. f.) A. DC.
   See GJM 573, AVS: vol. 5, 192 ff,
   ADPS: 362 f, AVS: vol. 3, 1848 f, IGP 1120,
   Dymock et al. 1890: vol. 3, 20 ff, 4
garjan oil tree (aśvakarṇa) Dipterocarpus
   turbinatus Gaertn. f. See GVDB: 28,
   Chopra: 100, 4
gold and sarsaparilla (surendragopa)
   Unknown. Dalhana 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", 4
golden shower tree (rājadruma) rājadruma =
   āragvadha. Cassia fistula L. See GVDB 37,
Himalayan mayapple (vakra) Podophyllum
   emodi, Wall. (NK: #1971). But perhaps a
   synonm of crape jasmine and ??
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(GVDB: 354), 5

Himalayan monkshood (ativiṣā) Aconitum

Indian sarsaparilla ($s\bar{a}riv\bar{a}$) $\rightarrow anant\bar{a}$

heterophyllum Wall. GVDB: 12, NK: #39, 5

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(Hemidesmus indicus, (L.) R. Br.ADPS: 434,
  AVS: vol. 3, 141-5, NK: #1210) and black
  creeper (pālindī. Ichnocarpus frutescens,
  (L.) R.Br. or Cryptolepis buchanani,
  Roemer & Schultes AVS: vol. 3, 141, 3.145,
   3.203, NK: #1283, #1210, ADPS: 434), 27
lac (lākṣā) Kerria lacca (Kerr.). See
  Meulenbeld 1974: 445, NK: vol. 2, #32. Watt
  (1908: 1053-1066) is characteristically
  informative, and is definite about the
  antiquity of lac in India, 5
myrobalan (abhayā) Terminalia chebula, Retz.
  See ADPS: 172, NK: #2451, Potter 214, 5
nutgrass (kuruvinda) Unknown. Dalhana on
   5.3.15 (Su 1938: 568) glossed the term as
   nutgrass, but noted other opinions that it
  was a whetstone or a very special metallic
  gem. Singh and Chunekar (GVDB: 108)
  added that it could be a variety of rice,
  şaştika dhānya, 5
nutgrass (mustā) Cyperus rotundus, L. See
   ADPS: 316, AVS: vol. 2, 296, NK: #782, 27
peas (harenu) harenu = satīna. Pisum sativum,
  L. Singh and Chunekar (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, 5
small-flowered crape myrtle (sidhraka)
  Lagerstroemia parviflora Roxb. See
  GVDB: 432, 4
Tellicherry bark (kutaja) Holarrhena
  pubescens Wall. ex G.Don, with Wrightia
  tinctoria and W. arborea considered
  GVDB: 101-102, ADPS: 267-270, 27
turmeric (haridrā) Curcuma longa Linn.
  GVDB: 465, 5
weaver's beam tree (muskaka) Schrebera
   swietenioides, Roxb. See AVS: vol. 5, 88,
  Lord, NK: #2246, 4
white cutch tree (somavalka) Acacia
  polyacantha, Willd. See AVS: vol. 1, 30,
  IGP 7, GJM 602, AVS: vol. 2, 935; pace
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NK: #1038, 4

Todo list

Come back to the issue of "kalpa". Look up passages in the Kośa	3
check MSS	3
check Dalhaṇa	3
?	3
?	3
?	3
write footnote: don't repeat ativisā; vulgate similar to H	