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THE TREATMENT OF THE NIGHT-SWEATING OF PHTHISIS.

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(Continued from vol. xxv. p. 257.)

XIII. AGARIC.

Agaric is meant the Agaric of the larch or white agaric, sometimes called the purging agaric. It is a fungus, and is known botanically as *Agaricus laricis*, *Boletus laricis* and *Hyporus officinalis*. It is the *Agaric blanc* or *Agaric purgatif* of French writers, and the *Lärchenschwamm* of the Germans.

Agaric has been in use in the treatment of the night-sweating of phthisis for over a century. Dahan was probably its introducer. "I was consulted," he says,¹ "in the month of August 1767 by a monk who as the result of a neglected pro-pneumonia suffered from a severe cough which was frequently accompanied by profuse hæmoptysis. In spite of much treatment he became very weak, and this added to the sweating reduced him to a very critical condition. The administration of bark lowered the fever, but had no effect

¹ Dahan, *Ratio Medendi*.

on the sweating. One of his friends finding him in this sad state told him of a poor woman who had cured several people by giving them a little piece of agaric. He adopted the treatment and the sweating soon ceased, although the remedy gave rise to obstinate diarrhœa, which was arrested with difficulty. The patient then began expectorating purulent matter profusely and the sweating seemed inclined to return, but once more the agaric triumphed. On a diet of goat's milk and other strengthening remedies the patient soon recovered, but he had always to use the agaric to check the sweating which frequently commenced troubling him again."

Barbut¹ reports three somewhat similar cases. The first is that of a man who suffered from tertian fever, which as the result of inappropriate treatment became continuous. After two months it was followed by profuse perspirations which weakened him very much. After waiting some days to see if the sweating would continue and what would be the end of it, Barbut, finding that the patient was getting much worse, determined to try Dahan's remedy. He ordered him two grains of powdered agaric which he made him take about eight o'clock in the evening, telling him to drink after it half a glassful of water. That night the patient thought he sweated less; the next night the dose was repeated at the same hour and in the same way and the patient sweated still less; he took the agaric a third time, the sweating ceased entirely and did not return, the cure being complete. The second observation was made in the month of October 1776 in the case of a dyer who was in the first stage of pulmonary consumption. After having tried several remedies without checking the symptoms he became greatly alarmed, not so much because he got no better as because he sweated so profusely at night that he was unable to sleep. The agaric was prescribed for him in the same way and in the same dose as in the preceding case. At the expiration of five days the sweating ceased, but the chest mischief continued to progress and he died at the end of three months. The third case was a woman aged 38, who had long suffered from a severe cough with frequent hæmoptysis. She sweated most profusely especially about

¹ *Journal de Médecine de Roux*, t. xlvii. p. 512.

the body. She was ordered appropriate treatment—stewed snails and cough tisans for example—but the sweating persisted and recourse was had to agaric. The first dose stopped the sweating and the catamenia which for three months had been absent suddenly appeared. The agaric was stopped until the period was over. It was then again given and the sweating was again checked—it was very slight on the night following the third dose but it was not till the sixth night that it entirely ceased. A few days later it returned once more but as it gave rise to no inconvenience it was not necessary to resort to further treatment.

Murray¹ speaks of the use of agaric in the treatment of night-sweating but without giving any observations of his own.

Quarin,² so far from having found it useful, considered that it did much harm aggravating all the symptoms and accelerating the progress of the disease.

Burdach,³ used it with much success in treatment of the sweating of phthisis giving it at bedtime in four-grain doses either in pill or suspended in mucilage.

About this time Rayer of Paris being dissatisfied with the remedies in ordinary use for arresting the night-sweating of phthisis employed agaric in a large number of cases at the Hôpital de la Charité. He appears not to have published anything on the subject himself but his cases were collected by E. Bisson and published in the form of a pamphlet⁴ which contains much useful information. Bisson's cases are fourteen in number, they are most carefully recorded and as a result of his experience he arrives at the following conclusions:— 1. White agaric may be employed with advantage in the treatment of the night-sweating of phthisis. 2. In doses of four, six, eight or ten grains given at bedtime for some days it usually checks sweating when the patient is not at the same time suffering from diarrhoea. 3. When diarrhoea is also a prominent symptom the agaric should be given in combination with opium. 4. When the diarrhoea is persistent and is not checked by opium

¹ *Apparatus Medicaminum*, 1790, t. v. p. 573.

² *Anamadversiones practicæ*, 1787, p. 56.

³ *Journal de Chimie Médicale*, t. vii. p. 185, 1830.

⁴ *De l'Emploi de l'Agaric Blanc (Boletus laricis) contre les sueurs dans la phthisie pulmonaire*. By E. Bisson, M.D. Paris, 1832.

agaric is contraindicated. 5. Agaric not only checks sweating but induces sleep and prevents exhaustion. 6. Even if powerless to cure phthisis it retards the progress of the case and relieves the patient of one of the most dangerous and distressing symptoms.

Agaric now engaged the attention of several distinguished observers, and many papers and pamphlets were published descriptive of its virtues. One of the most frequently quoted is a work by Toël, (1831), but I have been unable to meet with a copy.¹ Andral employed it extensively in the Hôpital de la Pitié, and his cases were recorded by Max Simon.² The dose employed was usually from six to eight grains in two pills, gradually increased to thirty-six grains divided into six pills. On one occasion Andral gave a patient first thirty, then forty-eight, and finally sixty grains. It checked the sweating, but, as may be supposed, induced violent purging. Trousseau employed agaric extensively, and a good account of its therapeutic action will be found in the various editions of his well-known work on *materia medica*.³ He usually gave about nine grains at bedtime, increasing the dose if necessary to fifteen grains. The effect was so decided that it might, he thought, be indicated by the axiom: *Cutis laxa alvus sicca, cutis sicca alvus laxa*. At the same time he remarks that this is not absolutely true, as it is not difficult to give a dose that will check the sweating without purging. In the French Pharmacopœia⁴ it has long been recognised under the name of Agaric blanc officinalis, or Polypore de Méléze, and there are two officinal preparations, the powder and liquid extract.

A good general account of the use of agaric in the night-sweating of phthisis will be found in the National Dispensatory of Stillé and Maisch, published in 1879.

Among the more recent papers on the subject may be

¹ Another work to which I have been unable to obtain access is *Notice sur le genre. Agaric considéré sous les rapports botanique, économique médical et toxicologique*. By J. H. Leveillé. Paris, 8vo, 1840.

² "De l'Agaric blanc pour combattre les sueurs chez les Phthisiques," Max Simon, *Bulletin Général de Thérapeutique*, 1834, t. vi. p. 334; also same journal, same volume, p. 381.

³ Trousseau et Pidoux, *Traité de Thérapeutique et de Matière Médicale*.

⁴ Codex Medicamentarius, Pharmacopée Française, 1866.

mentioned those of Peter¹ of Paris, Wolfenden² of the Charing Cross Hospital, London, and Young³ of Glasgow. Professor Peter gives the agaric in doses of three grains, or four and a half at the most, and has never found it necessary to give more. He gives details of three cases which have been under his care at La Pitié, and refers to many others. He thinks very highly of agaric in the treatment of the sweating of phthisis, but considers that after a time a kind of tolerance is established when it ceases to do good. Bouveret commenting on these observations says that agaric does not deserve the discredit into which it has fallen. Dr. Wolfenden employed agaric in the treatment of nearly forty cases, with almost complete success. He considers that it is "of such equal efficacy with atropia, that it may supplant it." He finds twenty grains at bedtime usually sufficient, though thirty grains may be necessary to quite check the sweating. Dr. Young's cases were under the care of Dr. Gairdner of the Western Infirmary at Glasgow. The drug was usually given in the form of a tincture containing ten grains to the drachm. An active principle, *agaricine*, was also extracted, which was found to represent the properties of the drug. In addition to checking sweating, the agaric was found to check cough and promote sleep. It exerted considerable influence in reducing temperature, a fall of two degrees having been noticed in a case of phthisis after the administration of gr. $\frac{1}{12}$ th of agaricine.

During the last three years I have treated sixty-four cases of night-sweating with agaric. They were nearly all out-patients at the Royal Hospital for Diseases of the Chest. There were 39 men, 17 women, and 8 children under the age of ten. The ages of the adults ranged from 19 to 63. The majority of cases were bad cases of phthisis, and in fifteen the physical signs indicated the presence of cavity on one or both sides.

My first observations were made with the agaric given in the form of three-grain pills. Ten patients are included in this series and the results are given in Table I. The pills caused no inconvenience, and undoubtedly had the power of checking the sweating to some extent, but their action was slow and not very

¹ *Bulletin Général de Thérapeutique*, 1879, t. xcvi.

² *Medical Times and Gazette*, October 8, 1881.

³ *Glasgow Medical Journal*, March, 1882, vol. xvii. No. 3, p. 176.

certain. Being dissatisfied with the result I determined to increase the dose, but was here met with the difficulty of administration. Patients do not like bulky powders, and decidedly object to taking more than two large pills at bedtime. I appealed to Mr. Martindale, who with characteristic promptness and skill made me some pills of extract of agaric, each of which weighed three grains, and was equivalent to nine grains of the agaric powder. With these pills I made a second series of observations on eight patients (see Table II.), and the results were better in every way. The extract of agaric was decidedly active, and was a great improvement on the crude drug. Hoping to get still better results I increased my dose to half a drachm, this time giving the powder itself. The cases in this series are thirteen in number (see Table III.). The patients took the powder, but under protest. It was not a popular medicine with them. The taste is disagreeable—intensely bitter—and it is difficult, they say, to “get it down.” It may be mixed with jam, but it is so light that it blows about, and half of it is lost. It will not mix well with cold water, but comes up to the top and floats about in the most persistent manner. It mixes fairly with hot water or hot milk, and most patients take it this way. The effects of a half-drachm dose are, on the whole, not pleasant; it purges violently, and the patient is much disturbed at night. It certainly checks the sweating admirably, but it is a choice of evils. Being deterred by the activity of the drug from continuing the experiments, I reduced the dose to twenty grains, making observations on fourteen patients (Table IV.). The results, as regards the sweating, were less satisfactory than with the larger dose, but there was no purging.

Mr. Hampson, of St. John Street Road, has recently made for the Royal Hospital for Diseases of the Chest, a number of preparations which afford a fairly convenient mode of administering the drug. There is a tincture—1 in 6—the taste of which may be covered by the addition of a little extract of liquorice or spirits of chloroform; and there is a very useful liquid extract of agaric, twice the strength of the tincture.

How agaric acts in checking sweating is not very clear. Very little is known of its physiological action, but from some

observations made on the frog's heart, I am inclined to think that it is antagonistic to muscarine. Agaric has of late been described in glowing terms as being superior to other remedies in the treatment of the sweating of phthisis. It is undoubtedly a good remedy, and there are times when it may be used with advantage, but I much doubt if it is equal to atropia, picrotoxine, pilocarpine, or Dover's powder. In small doses it is slow and uncertain in its action, whilst in large doses it is apt to purge violently. It has been suggested that the purgative action should be obviated by the addition of Dover's powder, but if we give Dover's powder we do not want the agaric, Dover's powder itself being one of our best remedies for the night-sweating of phthisis. Another difficulty is the mode of administration; patients do not like powders, and will not take large agaric pills when they can obtain prompt relief from one or two pilules of picrotoxine. Agaricine may prove a more valuable addition to our list of remedies, but that remains to be seen. Agaric has certainly not sprung very rapidly into favour, for it has taken over a hundred years to attain its present position.

Agaric has at various times been employed in the treatment of a great number of very different diseases. By Stillé and Maisch it is said to have been used by the ancients in large doses as a purgative, producing watery stools, with sometimes nausea and colic; and in small doses as an astringent to stop diarrhœa and dysentery, or to check sweating. It had also a reputation for drying up the milk in weaning. It was used as a remedy for ague, and it was at one time hoped that it might supersede bark. Parkinson (1640) recommends it in "Gout, dropsie, and falling sickness, jaundice, the collicke and hardness to make water, the sciatica or pains of the hips, the pale colour in women caused by the staying of their courses, the shortness of breath, the cough and consumption of the lungs, the spitting of blood, the paines of the mother, the sharpness of urine and the wormes: it is helpful also to cure all sorts of agues either tertians or quotidianes, to ease the griping paines of the stomacke and belly, or such as have had falles or bruises, or are burster bellied."

I have given agaric with success in a few cases of hæmoptysis. Here, for example, is one:—W. B., aged 29, had suffered from a severe cough for four months, the expectoration during the

whole of the time being mixed with blood; sometimes only a small quantity, but at others as much as a tablespoonful or more. He had lost flesh considerably, and for a fortnight had suffered severely from night-sweating, his clothes being wringing wet every night. There was deficient movement of the chest on the right side, and at the left apex well-marked crepitation. He was ordered half-drachm powders of agaric, one to be taken three times a-day, the last at bedtime. About two hours after each dose he was griped and strongly purged. He took only three powders and then reduced the dose to a half, but the purging continued. It did him good, however, for it stopped both the sweating and bleeding, and there was no return of either during the ensuing five weeks. In another somewhat similar case fifteen grains of powdered agaric at bedtime on three successive nights arrested a hæmoptysis of six weeks' duration. In several cases the patients stated that the agaric eased the cough and that they slept better.

TABLE I.—Cases of Sweating treated with three-grain doses of the *Agaric*.

No.	NAME.	SEX.	AGE.	SYMPTOMS.	PHYSICAL SIGNS.	SWEATING—DURATION AND SEVERITY OF.	TREATMENT.	RESULT.	REMARKS.
I.	J. P.	M.	50	Cough many years off and on; but, on whole, enjoys fairly good health. Of late, much expectoration with loss of flesh.	Left—little crepitation with rhonchus all over.	Every night for the last fortnight. Very profuse, enough to wet things through, pillow even quite wet.	Pil. Agar. lar. gr. iii. i. o. n. 7 days.	Thought there was a little improvement at first, but now no better; did not do much good to the night sweating.	
	"	"	"	"	"	"	Rep. pil. t. d. s., last at bedtime, 7 days.	Night sweating a little better, but not much. Last night very bad.	
	"	"	"	"	"	"	Rep. pil. t. d. s., with ij. at bedtime, 7 days.	Prevented sweating a great deal, but not entirely; always a little every night; not a single night free from it. Took three pills one night and purged him very much.	No improvement in general symptoms. Agaric did some good, but not a very striking success. Small dose of atropia hypodermically subsequently entirely stopped sweating.
II.	R. F.	M.	51	Cough very severe, almost constant 3 years; expectorates very much; hemorrhage none, loss of flesh very great, nearly 3 stone.	Coarse crepitation all over both sides.	For three months nearly every night, when he awakes he begins to cough and then sweats till things are wet through. Does not sweat when asleep, and in daytime only if breath very short or on exertion.	Pil. Agar. lar. gr. iii. i. o. n. 7 days.	Night sweating better; decidedly better after second night. Cough easier, phlegm comes up more readily, breath better, sleeps better.	
	"	"	"	"	"	"	Rep. pil. i. bis die, 7 days.	Night sweating not nearly so much but not quite gone, Good deal less; sleeps better at night; cough easier.	Agaric discontinued and no return of night sweating during six weeks. Did well in this case.
	"	"	"	"	"	"	Rep. pil. i. t. d. s., 7 days.	Very nearly gone now.	

TABLE I. (continued).—Cases of Sweating treated with three-grain doses of the Agaric.

No.	NAME.	SEX.	AGE.	SYMPTOMS.	PHYSICAL SIGNS.	SWEATING—DURATION AND SEVERITY OF.	TREATMENT.	RESULT.	REMARKS.
III.	S. J.	F.	46	Cough very severe, with much expectoration; loss of flesh very marked.	Crepitation all over both sides.	For six months almost every night. Very severe.	Pil. Agar. lar. gr. iii. i. o. n., 7 days.	Has not sweated nearly so much, last three nights especially; and great deal of improvement. Now nearly gone; first night better; and better ever since. Sleeps better too.	
	"	"	"	"	"	"	Rep. pil. i. t. d. s., 4 days.	Still improving; sleeps much better at night; and very little sweating.	Agaric did well here.
IV.	J. H.	M.	33	An advanced case. Patient suffering much from cough, expectoration, dyspnoea, and all symptoms of $\phi\theta$; loss of flesh very marked.	Right—crepitation. Left—crepitation.	Almost every night for two months; finds his things wet through in morning.	Pil. Agar. lar. gr. iii. i. o. n., 7 days.	Night sweating still continues but there is a decided improvement in it.	Patient too ill to attend any longer.
V.	L. B.	F.	8	Cough, expectoration, and loss of flesh very marked last 3 months. Family history, $\phi\theta$.	Left—little crepitation near apex.	Every night, one month; directly she gets to sleep. Wets things very much—pours off her.	Pil. Agar. lar. gr. iii. i. o. n., 7 days.	Very much better. Improved every night; till fourth night, when had almost ceased. No action on bowels.	Pills were continued for a week longer and there was then no return of the night sweating for 5 weeks that she remained under observation.
VI.	J. R. L.	M.	25	A well-marked case of $\phi\theta$. Has been under treatment for the last 6 months and has improved much. Expectoration very much.	Still crepitation at both apices.	Last fortnight for the first time, very marked day and night too; might wring things they are so wet.	Pil. Agar. lar. gr. iii. i. t. d. s., last at bedtime, 7 days.	Ceased entirely on second night and none since. Did him much good in every way—eased cough, and breathing, as well as sweating.	Was taking cod-liver oil as well, but had taken it continuously for nearly six months.
	"	"	"	"	"	"	Rep. i. quater die, 7 days.	No return of sweating.	No return for a fortnight.

TABLE I. (continued).—Cases of Sweating treated with three-grain doses of the Agaric.

No.	NAME.	SEX.	AGE.	SYMPTOMS.	PHYSICAL SIGNS.	SWEATING—DURATION AND SEVERITY OF	TREATMENT.	RESULT.	REMARKS.
VII.	W. B.	M.	41	Cough 12 months; expectorates great deal, thick; hæmoptysis, little at times; aphonia; lost flesh very much.	Crepitation marked both sides.	Comes on about 4 o'clock every morning, great trouble to him; has had it five months.	Pil. Agar. lar. gr. iii. i. t. d. s., 7 days.	Much better, but not gone.	Plays violin at parties and at races. Much exposed. Badly fed; drinks when he can get it.
	"	"	"	"	"	"	Rep. pil. t. d. s., ii. at bedtime if necessary, 7 days.	Quite gone now—the two pills soon stopped it.	
	E. B.	F.	23	Very bad case of $\phi\theta$; patient so weak that she can hardly get to hospital.	Signs of cavity both right and left; extensive lung mischief.	Most profuse every night last four nights. Things always wet through; no rest; no case.	Pil. Agar. lar. gr. iii. t. d. s., 7 days.	Little improvement, not much.	Taking cod liver oil at same time—pregnant three months. An almost hopeless case.
IX.	"	"	"	"	"	"	Rep. ii. o. n., 7 days.	No better. Wet through every night.	Subsequently gave (1) Muscarine, (2) Oxide of Zinc, (3) Atropia, with much benefit, soon too ill to attend longer. Evidently dying.
	A. D.	F.	46	Cough 2 years; expectorates very much; lost flesh; very weak, can hardly walk.	Right—crepitation. Left—crepitation.	Both night and day will run down legs and stockings as "if she had wetted them."	Pil. Agar. lar. gr. iii. ii. t. d. s., 7 days.	Did good to the sweating but had great difficulty in taking them as they made her so sick.	Muscarine subsequently checked the sweating.
	C. H.	F.	38	Cough very severe 2 years; worse in winter, not much in summer.	Emphysema, rhonchus both sides.	More in day than at night, chiefly when at work. Works at loom and hands and feet always wet; chiefly on exertion.	Pil. Agar. lar. gr. iii. ii. t. d. s.	Took twelve pills and then relaxed bowels very much—did little good to the sweating.	
X.	"	"	"	"	"	Sweating worse even than last week.	Rep. pil. i. quater die, 7 days.	No improvement.	Atropia checked it at once.

TABLE II.—Cases of Sweating treated with Extract of Agaric.

No.	NAME.	SEX	AGE	SYMPTOMS.	PHYSICAL SIGNS.	SWEATING—DURATION AND SEVERITY OF	TREATMENT.	RESULT.	REMARKS.
I.	H. M.	F.	20	Cough not much; expectoration little; hæmoptysis none. M. S. Br. d. $\phi\theta$.	?	Night sweats one week, every night; comes on about 2 o'clock, a.m., lasts till she gets up; flannels quite wet. Sweats on hands and under arms in daytime. Slight return of sweating at night.	Pil. Ext. Agar. gr. iii. i. o. n. 7 days.	Perspirations at night quite gone, none at all now, none last four nights.	No return for a fortnight.
II.	"	"	"	"	"	Three months, almost every night; all over body; comes on from 2 to 3 a.m. Wets all things through; can see mark on bed where she lies.	Took one pill for three nights.	Sweating ceased.	No return of sweating.
	A. B.	F.	25	Cough 2 years, with much expectoration; hæmoptysis little at times; dyspnoea on exertion; loss of flesh very marked—3 stone in two years.	Left—cavity.		Pil. Ext. Agar. gr. iii. i. o. n., 6 nights.	Quite stopped the sweating.	No return for a fortnight.
III.	S. D.	F.	31	Cough 12 months; expectorates great deal; losing flesh very much; slight aphonia.	Right—cavity. Left—cavity.	A fortnight, every night. After she has been in bed for about an hour, everything wet through, so that she is quite cold.	Pil. Ext. Agar. gr. iii. i. o. n., 7 days.	Night sweats much better, not much improvement till fifth night; only slight now.	On another occasion sweating returned, and then three 3-grain agaric pills at bedtime stopped it in a week.
	"	"	"	"	"		Rep. pil. ii. o. n., 14 days.	None at all now; the two pills did much better than one.	Patient unable to come, and sweating returned in a week.
	J. D.	M.	22	Cough six weeks only, with much purulent expectoration; hæmorrhage, none; lost flesh—1 stone in 6 weeks. Quite well till then. M. d. in 2 months, probably from $\phi\theta$.	Right—cavity. Left—cavity. Both well marked.	Night sweats three weeks, not every night; sometimes misses, but most night sweats. Comes on when asleep, gets soaking wet, sweats all over—makes him very weak.	Pil. Ext. Agar. gr. iii. i. t. d. s.	Sweating very much less, not half it was.	
IV.	"	"	"	"	"	Has had no medicine for nearly a month. Night sweats now very severe.	Rep. pil. t. d. s., last at bedtime, 7 days.	Very great deal better, now nearly all gone; better after fourth night.	On another occasion he had an agaric pill three times a day for a week; but without stopping the sweating.

TABLE II. (continued).—Cases of Sweating treated with Extract of Agaric.

No.	NAME.	SEX	AGE	SYMPTOMS.	PHYSICAL SIGNS.	SWEATING—DURATION AND SEVERITY OF.	TREATMENT.	RESULT.	REMARKS.
V.	J. H. A.	M.	31	Cough 2 years with much expectoration; lost flesh, 18 months very marked.	Right—crepitation at apex. Left—crepitation all over.	Off and on for a month. Very severe; wet through.	Pil. Ext. Agar. gr. iii. ii. o. n., 7 days.	Night sweat worse if anything; every night wet through.	Purged him very much.
	"	"	"	"	"	"	Rep. pil. iii. o. n., 7 days.	A little better, but sweated five nights out of the seven, even one night when he took four pills. Did some good.	
	"	"	"	"	"	"	Rep. 14 days.	Slight improvement only. If takes four pills is better.	Very little benefit in this case.
VI.	G. D.	M.	19	Cough; expectoration; hæmoptysis; loss of flesh.	Left—crepitation under clavicle.	One week, every night; very severe.	Pil. Ext. Agar. gr. iii. ii. o. n. 7 days.	No improvement.	
	"	"	"	"	"	"	Rep. pil. iii. o. n. 7 days.	Very decided improvement. Better after third night.	
VII.	C. S.	M.	19	Cough; expectoration; lost flesh very much.	Right.—Br. br. under clavicle. Left—crepitation.	Four months, almost every night; and almost all night. Comes on about midnight all over the body.	Pil. Ext. Agar. gr. iii. ii. o. n., 7 days.	Quite gone, none after second night.	No return in three weeks.
VIII.	S. C.	M.	28	Cough, with expectoration, 3 months; lost flesh.	Crepitation at left base post.	Third month, almost every night, but not always; comes on between 2 and 3 a.m.; wets everything.	Pil. Ext. Agar. gr. iii. ii. o. n., 7 days.	Quite gone now; none after third night.	No return a fortnight later.

TABLE III.—Cases of Sweating treated with half-drachm doses of the Agaric.

No.	NAME.	SEX	AGE	SYMPTOMS.	PHYSICAL SIGNS.	SWEATING—DURATION AND SEVERITY OF.	TREATMENT.	RESULT.	REMARKS.
I.	R. M. G.	M.	35	Cough 2 years all the year round, hacking, worse last 6 months; expectorated many months, but less now, though still yellow and thick; hæmorrhage 2 years ago half a cupful, and as much five or six times since; breath very short on exertion. Has been under treatment for a year, and has improved much by inhaling "pure terebene" on a respiration for 8 or 10 hours a day.	Right—Well marked bronchial breathing in infra clavicle, but no crepitation now. Left—Friction at base in front. Six months ago crepitation all over both sides in front; great improvement on the "pure terebene."	Suffers from it frequently and severely; has had it now for about a week; is very severe—awakes about daybreak and finds himself wet all over the body, even to legs and feet. Has had it this time 3 days.	Pulv. Agar. lar. ʒss. vj. i. o. n. Rep. pulv.	Entirely ceased on third night, but better on second night. Quite gone by third night; not much after first night.	Acted slightly on bowels. Sweating returned in a fortnight. Purged him very much. A little return of sweating a week later, but very slight. This patient had frequently taken granules of picrotoxine, each containing ¼ milligramme, for the sweating, with much benefit.
II.	J. A.	M.	22	Cough; expectoration; hæmorrhage at times; losing flesh very much.	Right—crepitation. Left—crepitation.	Every night for last fortnight; comes on in middle of night, not very severe, but enough to make things damp.	Pulv. Agar. lar. ʒss. xii. i. o. n.	Night sweating very much better—better after 2 doses.	Cough better; expectoration easier; bowels open 2 or 3 times a day since he has taken the powders. No return of sweating in 3 weeks.
III.	W. C. H.	M.	27	Cough 6 months; expectoration very much; hæmorrhage none; loss of flesh very great.	Right—vomiting. Left—vomiting.	Very much last 5 weeks; every night as soon as he gets to bed. Wets everything.	Pulv. Agar. lar. ʒss. vj. i. o. n. Rep. 14 days.	Night sweating quite gone. No sweating.	Cough better, especially at night; expectoration easier. "Better in every way."

TABLE III. (continued)—Cases of Sweating treated with half-drachm doses of the Agaric.

No.	NAME.	SEX	AGE	SYMPTOMS.	PHYSICAL SIGNS.	SWEATING—DURATION AND SEVERITY OF.	TREATMENT.	RESULT.	REMARKS.
IV.	W. S.	M.	58	Cough every winter, not much in summer; expectoration thick, yellow or black; dyspnea on exertion; hæmorrhage none; lost flesh very little.	Emphysema, bronchitis.	For a week or ten days only; comes on in early mornings, and wets things—all over the body.	Pulv. Agar. lar. ʒss. vj. o. n.	Great improvement; began to get better after first powder; quite gone now, even hands dry.	" Worked him very much." No return in a fortnight.
V.	W. S.	M.	63	Cough 6 weeks, with much expectoration; lost flesh very little.	Right—crepitation. Left—rhonchus.	Has had it 6 or 8 weeks every night—very bad indeed.	Pulv. Agar. lar. ʒss. vj. o. n.	Quickly checked the sweating; none at all now.	Purged him violently.
VI.	T. G.	M.	21	Cough nearly 3 months, with expectoration; lost flesh very much; bowels open 3 times a day.	Right—crepitation at apex.	Night sweating all over body; head also wet.	Pulv. Agar. lar. ʒss. iv. o. n.	Did not sweat at all either of the four nights.	Did not purge him; bowels more regular.
VII.	H. P.	M.	34	Cough 2 months, with much vomiting; expectoration; loss of flesh very marked.	Right—crepitation coarse all over.	Very much; almost every night almost wet through.	Pulv. Agar. lar. ʒss. iv. o. n.	Stopped sweating entirely in four nights.	Very little action on bowels. Sweating returned a fortnight later.
	"	"	"	"	"	Very severe again all the last week.	Pulv. Agar. lar. gr. xx. —vi. o. n.	Sweating quite gone in 2 nights, and no return.	Opened bowels just enough to be comfortable.
VIII.	W. P.	M.	36	Cough: expectoration; lost flesh—all very much.	Right—bronchial breathing at apex. Left—rhonchus all over.	Night sweating very much last 10 days.	Pulv. Agar. lar. ʒss. vj. i. o. n.	Had great difficulty in taking the powders—they nearly killed him." The first night it purged him 4 or 5 times. He took it at 10.0, and at 12.0 it "turned him out," and he was up nearly all night—had no rest. Sweating certainly better. Next night took half a powder, and that purged him three or four times. The third night he took a whole powder, and that purged him so much he had to give it up—could not go to bed whole night—"motions ran away from him." Night sweating nearly gone.	

TABLE III. (continued).—Cases of Sweating treated with half-drachm doses of the Agaric.

No.	NAME.	SEX.	AGE.	SYMPTOMS.	PHYSICAL SIGNS.	SWEATING—DURATION AND SEVERITY OF.	TREATMENT.	RESULT.	REMARKS.
IX.	J. W.	F.	36	Cough 12 months; expectoration great deal, off and on 6 months; hæmoptysis, clots at times; lost flesh very much; bowels confined.	Right—crepitation. Left—crepitation.	Night sweating very much last 6 months; almost every night; most distressing. Very severe last 2 or 3 days.	Pulv. Agar. lar. 5ss. vj. i. o. n. Pulv. Agar. lar. gr. xx. 7 days. i. o. n. Rep. pulv.	Night sweating much better, but not gone. Night sweating very much better. Check sweating again.	Purged her several times. Opens bowels—not too much. Sweating returned in a week.
X.	M. B.	F.	31	Cough nearly a year, with much expectoration; hæmorrhage 2 days ago for first time; Oâ. bright red; bowels regular.	Right—crepitation. Left—crepitation.	Night sweating 1 month; every night in the early morning all over the body, head and all, just as if she had been in a bath.	Pulv. Agar. lar. 5ss. 7 days. i. t. d. s.	No night sweating at all after took the powders.	Powders made her very sick, and "worked her very much." For last 3 days could take only 2 powders a day. No return 5 weeks.
XI.	R. S.	M.	42	Cough 2 months, with expectoration; loss of flesh not much; well nourished.	No crepitation; dull and deficient movement right infra clav.	Not very much sweating at night, but very much at his work. Is a farrier.	Pulv. Agar. lar. 5ss. 7 days. i. t. d.	Does not sweat at all at his work now.	Purged him so much could not take them more than twice a day after first day.
XII.	W. B.	M.	37	Little winter cough.	Chronic bronchitis.	No night sweating; sweats much at work. Is a blacksmith.	Pulv. Agar. lar. 5ss. 7 days. i. bis. die.	Does not know what effect they had on the sweating.	Took 2 powders, but would not take any more—purged him so much that he could not take more.
XIII.	P. P.	F.	50	Heats and flushes, followed by perspirations.	Chest sound.	Sweatings after the flushes; often very profuse.	Pulv. Agar. lar. 5ss. o. n.	No better.	Powders purged her, and made her vomit—purging "began at 3 o'clock in the morning, and lasted all night."

TABLE IV.—Cases of Sweating treated with the Agaric in twenty-grain doses.

No.	NAME.	SEX.	AGE.	SYMPTOMS.	PHYSICAL SIGNS.	SWEATING—DURATION AND SEVERITY OF.	TREATMENT.	RESULT.	REMARKS.
I.	J. B.	M.	43	Cough 5 or 6 years; expectoration; losing flesh; bowels regular.	Coarse rhonchus all over both fronts; no dullness.	Fortnight every night "sopping wet."	Pulv. Agar. lar. gr. xx. 7 days. j. o. n.	Night sweating very much better—nearly gone.	Slight action on bowels. No return of sweating 3 weeks.
II.	R. W. H.	M.	31	Cough; hæmorrhage; expectoration; very weak; in bed the whole week; only gets up to come to hospital.	Right—cavity. Left—cavity.	Most profuse every night.	Pulv. Agar. lar. gr. xx. 7 days. j. o. n.	Very great improvement—not gone, but better.	Powder made him very sick one night.
III.	G. S.	M.	8	Cough 6 months; came on after scarlet fever.		Every night last 3 weeks all over body.	Pulv. Agar. lar. gr. xx. j. alt. noct.	Much better—sweating now very slight.	Great difficulty in getting him to take them, but no purging.
IV.	L. B.	F.	23	Cough 3 months, with expectoration; loss of flesh.	Right—deficient movement, high pitched, little crepitation under clav.	In the early morning, about 3 o'clock. Has had it 3 months.	Pulv. Agar. lar. gr. xx. vj. j. o. n.	Almost ceased—a very great improvement.	Difficult to take, but did not purge her.
V.	H. McG.	M.	26	Cough 7 or 8 months, and all last winter; expectoration very much; hæmorrhage 2 months ago, freely.	Left—dull crepitation.	2 years ago had night sweating most profusely, used to wet right through the bed. Last fortnight very bad again about twice a week, just as if had been in a bath of water.	Pulv. Agar. lar. gr. xx. vj. j. o. n.	No sweating at all—better in every way.	Powders worked him very freely. In subsequent attack took extract of physostigma with benefit to sweating.
VI.	J. T.	M.	35	Came on quite suddenly about a month ago; cough, with expectoration; lost flesh very much.	Right—crepitation at apex.	Last fortnight very much every night—shirt wet right through.	Pulv. Agar. lar. gr. xx. ℥vi. j. o. n.	Quite gone in four nights.	No purging. No return of sweating a fortnight later.
VII.	G. G.	M.	37	Cough 8 months, with much expectoration; so weak that falls down if tries to walk; much emaciation.	Right—cavity. Left—crepitation.	Last 3 months almost every night, some nights more than others—leaves a mark on the sheet where he lies.	Pulv. Agar. lar. gr. xx. ℥vi. j. o. n.	A little better, but not gone yet.	Did not purge him.

TABLE IV. (continued)—Cases of Sweating treated with the Agaric in twenty-grain doses.

No.	Name	Sex	Age	Symptoms.	Physical Signs.	Sweating—Duration and Severity of.	Treatment.	Result.	Remarks.
VII.	continued								
	"	"	"	"	"	"	Rep. 7 days.	Sweating decidedly better—still enough to wet night shirt, collar, and sleeves, but not enough to leave impression on bed now. Has the sweating about every alternate night.	No action on bowels.
	"	"	"	"	"	"	Rep. 14 days.	For a fortnight patient was almost free from sweating. The powders suited him admirably. Then suffered much from vomiting after cough, and rejected everything, including powders—sweating then returned.	Patient very much weaker—unable to take any food. Emaciating very rapidly. Gave him small picROTOXINE pills, which checked to some extent both sweating and vomiting.
VIII.	H. P.	M.	28	An old case of $\phi\theta$; has been attending at hospital for over 2 years.	Crepitation at both apices, but very limited in extent.	Has had attacks of sweating frequently, and then long intervals of freedom. This time for a fortnight, every night. Has had sweating 5 nights this time.	Pulv. Agar. lar. gr. xx. vi. j. o. n.	Sweating very much less—nearly gone.	Powders discontinued, and sweating returned in two days as bad as ever.
	"	"	"	"	"	"	Rep. pulv. vi.	Sweating not much better till he had taken the whole of the 6 powders—none last night, quite comfortable.	
	"	"	"	"	"	"	Rep. pulv. vi.	Quite free from sweating the whole week.	Sweating returned again a week after powders were discontinued.
	"	"	"	"	"	Sweating again last 4 nights very severely.	Rep. pulv. vi.	Stopped sweating in 3 nights.	No return of sweating in 3 weeks.
IX.	C. C.	M.	37	Cough 3 months, with much expectoration, thick, yellow; dyspnoea very great on exertion; lost flesh very much.	Right—dull crepitation.	Very much at night last 6 weeks—chiefly in early morning. Wet through.	Pulv. Agar. lar. gr. xx. vi. j. o. n.	Checked sweating very promptly—much better.	Had some difficulty in taking powders, but they did not purge him.

TABLE IV. (continued)—Cases of Sweating treated with the Agaric in twenty-grain doses.

No.	NAME.	SEX.	AGE.	SYMPTOMS.	PHYSICAL SIGNS.	SWEATING—DURATION AND SEVERITY OF.	TREATMENT.	RESULT.	REMARKS.
X.	M. A. W.	F.	28	Cough 4 months very severe, especially at night; expectoration very much; often vomits after cough.	Right—dull crepitation. Left—crepitation.	Last fortnight most severe—every night wet through.	Pulv. Agar. lar. gr. xx. vi. j. o. n.	Very much better—very nearly gone.	Had great difficulty in taking powders—made her sick three times.
XI.	J. T.	M.	18	Cough; expectoration; lost flesh 6 months; badly fed.	Left—dull crepitation at apex front.	Sweating every night for the last week just as if you had thrown a bucket of water over him.	Pulv. Agar. lar. gr. xx. xiv. j. o. n.	Decidedly better—did him much good.	Purged him a little.
XII.	A. G.	F.	46	Cough; expectoration 8 months; with loss of flesh very much.	Crepitation at both apices.	Since cough came on very frequently, generally about 5 in morning, and lasts till 9 when she gets up.	Pulv. Agar. lar. gr. xx. xiv. j. o. n.	Much better after first 2 or 3 nights—now nearly gone—little still left.	
	"	"	"	"	"	"	Pulv. Agar. lar. 3ss. vii. j. o. n.	Sweating now quite gone.	Powders purged her very much.
XIII.	M. S.	F.	21	Cough 12 months, with much expectoration; hæmoptysis little at times; lost flesh very much.	Right—cavity. Left—cavity.	Night after night for many weeks most severe.	Pulv. Agar. lar. gr. xx. vii. j. o. n.	Very little except one night, when, in spite of powder, was very bad.	Had previously had phos- sostigma extract in doses of gr. ½—checked sweating decidedly.
XIV.	A. G.	M.	9	Cough 12 months, with expectoration and loss of flesh.	Right—dull movement.	Last 3 months almost every night—all over the body—runs off him, and the bedclothes steam with it.	Pulv. Agar. lar. gr. xx. vii. j. o. n.	Sweating no better.	Purged him very much.
	"	"	"	"	"	"	Rep. pulv.	Not so much at night, but pillows and sheets still quite wet.	Still purged very freely.
	"	"	"	"	"	"	Rep. pulv. bis die.	Still further improvement, but not gone.	Weakened by the purg- ing. Finally gave cod liver oil and extract of malt in addition to agaric, and sweating then at once ceased.

