

***Psathyrella gordonii* (Berk. & Broome) A. Pears. & Dennis 1948 [1947] in Trans. Brit. Mycol. Soc. 31(3-4): 184**

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Source Melzer

MycoBank: 290035

Basionym: *Agaricus gordonii* Berk. & Broome 1861 in Ann. Mag. nat. Hirst. Ser. 3 , 7 : 377

Original diagnosis:

"A. (*Psathyra*) *Gordoni*, n. sp. Caespitosus, pileo campanulato pallide cinereo demum albescente plus minus floccoso-squamuloso sulcato-striato; stipite flexuoso floccoso glabrescente sursum albo pruinoso; lamellis adscendentibus anguste adnatis distantibus cinereis.

On old stumps. Overton Longueville, Oct. 10, 1860. The Marchioness of Huntley. Densely caespitose. Pileus 12 inch across, campanulate, membranaceous, at first pale cinereous, then white, sprinkled with white floccose stales, sulcato-striate; stem 2 inches high, 11 line thick, transversely undulated, pruinose above, floccose below, but becoming at length smooth and shining, brittle, fistulose; gills ascending, narrowly adnate, distant, moderately broad, scarcely ventricose, cinereous. Smell faint, nauseous. When young, the whole plant is covered with copious white flocci. A very distinct species."

Type: England: Overton. Longueville, 10.10.1860, the Marchioness of Huntley (K, herb. Berkeley 1301)

Synonyms:

Drosophila gordonii (Berk. & Broome) Bon & Gehu 1973 in Doc. Mycol. 6: 34 (inval.)

Agaricus gorteri (Weinm.) (1832) Flora Regensburg 15 (29) : 450

Pannucia gordonii (Berk. & Broome) P. Karst. 1879 in Bidr. Känn. Finl. Natur Folk 32: 514

Pilosace gordonii (Berk. & Broome) Kuntze 1898 in Revis. gen. pl. 3 (Leipzig) 3(3) : 504

Psathyra gordonii (Berk. & Broome) Gillet 1878 in Les Hyménomycètes (Alençon) : : 590

Leptonia gorteri (Weinm.) Sacc. 1887 in Syll. fung. (Abellini) 5: 712

Psathyrella variabilissima A. H. Sm. 1972 in Mem. N. Y. bot. Gdn. 24: 212

Psathyrella pervelata Kits v. Wav. 1971 in Persoonia 6: 309

Psathyra vestita Peck 1906 in Bull. N. Y. State Mus. 105: 28

Atylospora vestita (Peck) Murill 1922 in Mycologia 14: 265

Psathyrella vestita (Peck) A. H. Sm. 1941 in Contr. Univ. Mich. Herb. 5: 58

Psathyrella abortiva A. H. Sm. 1972 in Mem. N. Y. bot. Gdn. 24: 199

Psathyrella candidissima A. H. Sm. in 1959 in Mycologia 42: 122

Psathyrella pseudogordonii Kits v. Wav. 1985 in Persoonia Suppl. vol. 2: 282

Psathyrella pervelata Kits v. Wav. 1971 in Persoonia 6: 309



Photos in situ G. Gerisin. 12 et 17/06/2020



Photo in situ – leg Bruno de Ruvo –16/09/2010

Ceppo, commune de Roca Santa Maria - in soil fertilised with horse manure



Photo in situ – leg Bruno de Ruvo

Espèce à croissance fasciculée ou densément cespiteuse dont le diamètre du chapeau est de 15-35 mm. Initialement campanulé, devenant conico-convexe, et tardivement plan convexe avec un large umbo obtus peu proéminent coloré de beige jaunâtre. Initialement beige grisâtre, hygrophane il devient rapidement légèrement ocracé au disque et blanchâtre grisâtre en périphérie, et finalement totalement blanchâtre. Voile fibrillo blanchâtre, abondant, constitué de mèches érectiles recouvrant initialement la totalité du chapeau et du stipe. Volatile il disparaît progressivement au disque et ne persiste qu'en périphérie sous forme de fibres éparses ou de fines mèches, ces dernières restant parfois appendiculées la marge du chapeau. Lames adnées, ventruées, initialement blanchâtre devenant gris-noirâtre, modérément serrées, arête fimbriée blanche. Stipe 25-60 x 2-4mm, blanchâtre, cylindrique, souvent flexueux, creux, initialement entièrement et densément recouvert de squamules blanchâtres qui disparaissent progressivement et persistent sous forme de fibrilles dans sa moitié inférieure, lisse dans sa partie médiane et pruineux au sommet. Odeur et saveur sans particularité

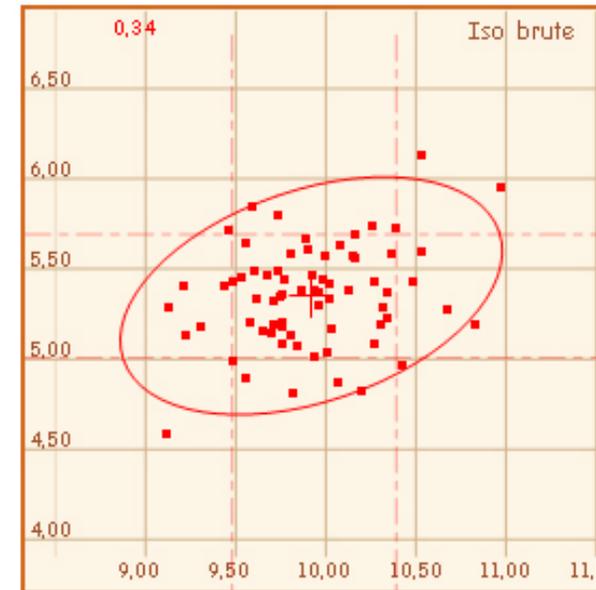
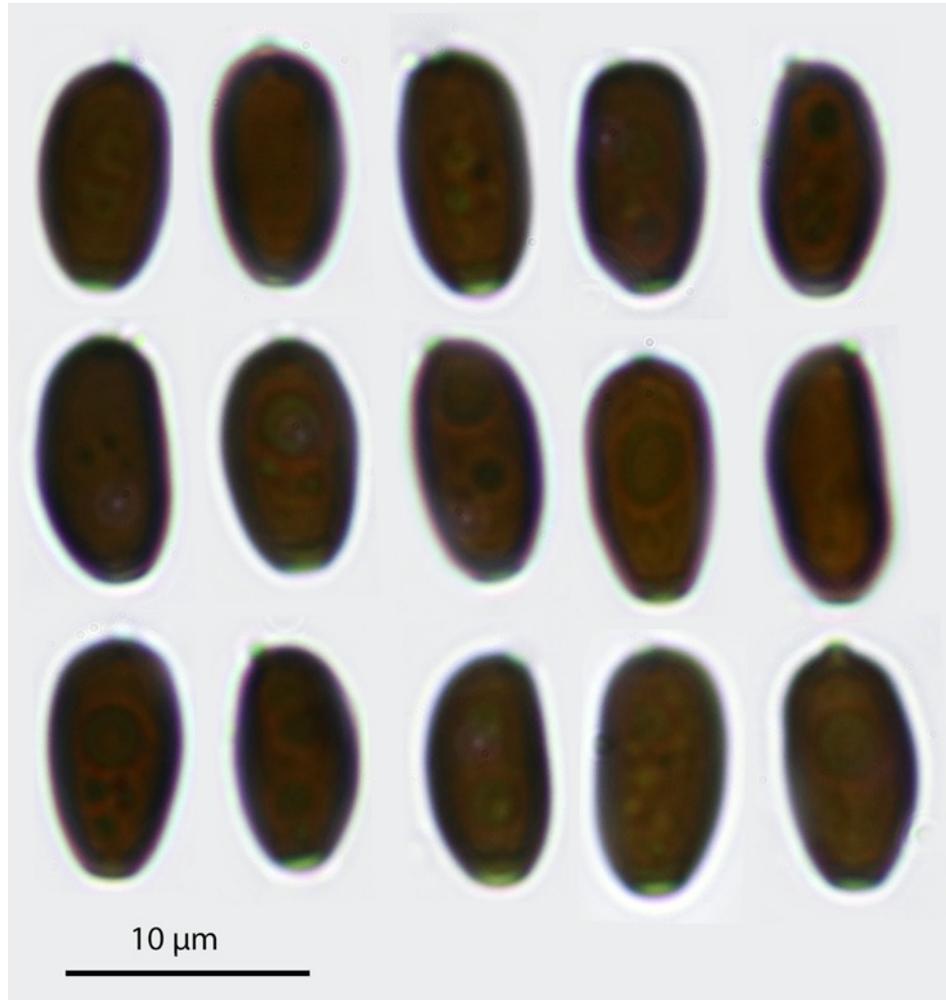
Species growing fasciculate or densely caespitose with a cap diameter of 15-35 mm. Initially campanulate, becoming conical-convex, and later plano-convex with a broad, not very prominent obtuse umbo coloured yellowish beige. Initially greyish-beige, hygrophane, it quickly becomes lightly ochre-coloured on the disc and greyish-white on the periphery, and finally totally whitish. Veil abundant whitish fibrillous consisting of erectile scales initially covering the entire cap and stipe. Volatile, it gradually disappears at the disc and persists only in the periphery in the form of scattered fibres or fine scales, the latter sometimes remaining appendiculate at the cap margin. Gills adnate, ventricose, initially whitish becoming grey-blackish, moderately closed, white fimbriated edge. Stipe 25-60 x 2-4mm, whitish, cylindrical, often flexuous, hollow, initially entirely and densely covered with whitish squamules which gradually disappear and persist as fibrils in its lower half, smooth in its middle part and pruinose at the top. Smell and taste are not distinctive.

Basides: tétrasporiques, clavées. Boucles présentes sur les hyphes du stipe.

Spores lisses, brun rougeâtre foncé, opaques, oblongues de face, asymétriques, légèrement phaséoliormes ou amygdaliformes de profil, pore germinatif central large.

Basidia : 4-spored. Clamps present on stipe hyphae.

Spores smooth, dark reddish brown, opaque, oblong in face view, asymmetrical slightly phaseoliform or amygdaliform in profile, germ pore central, large .



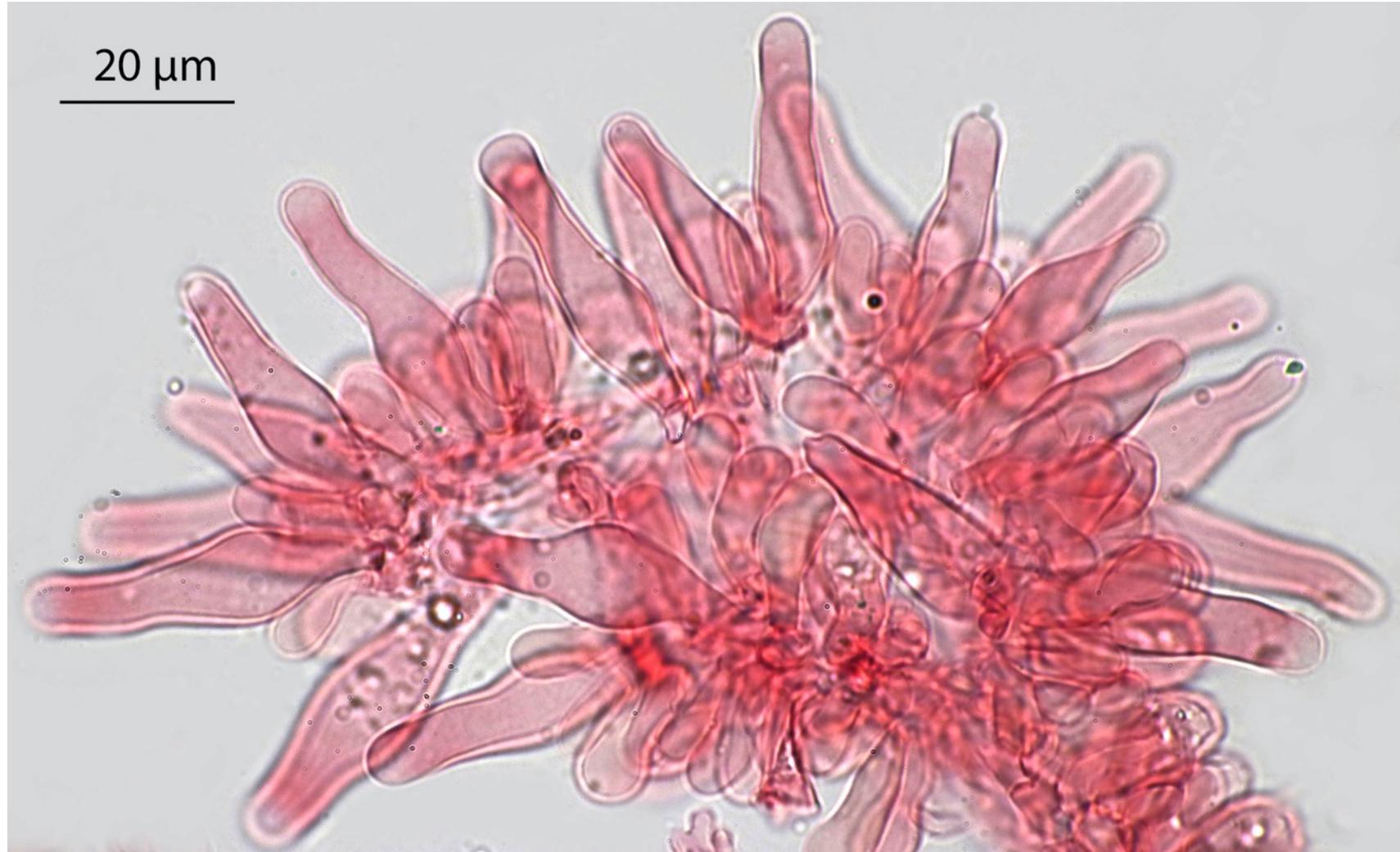
N = 70

(9,1) 9,5 - 10,4 (11) × (4,6) 5 - 5,7 (6,1) μm

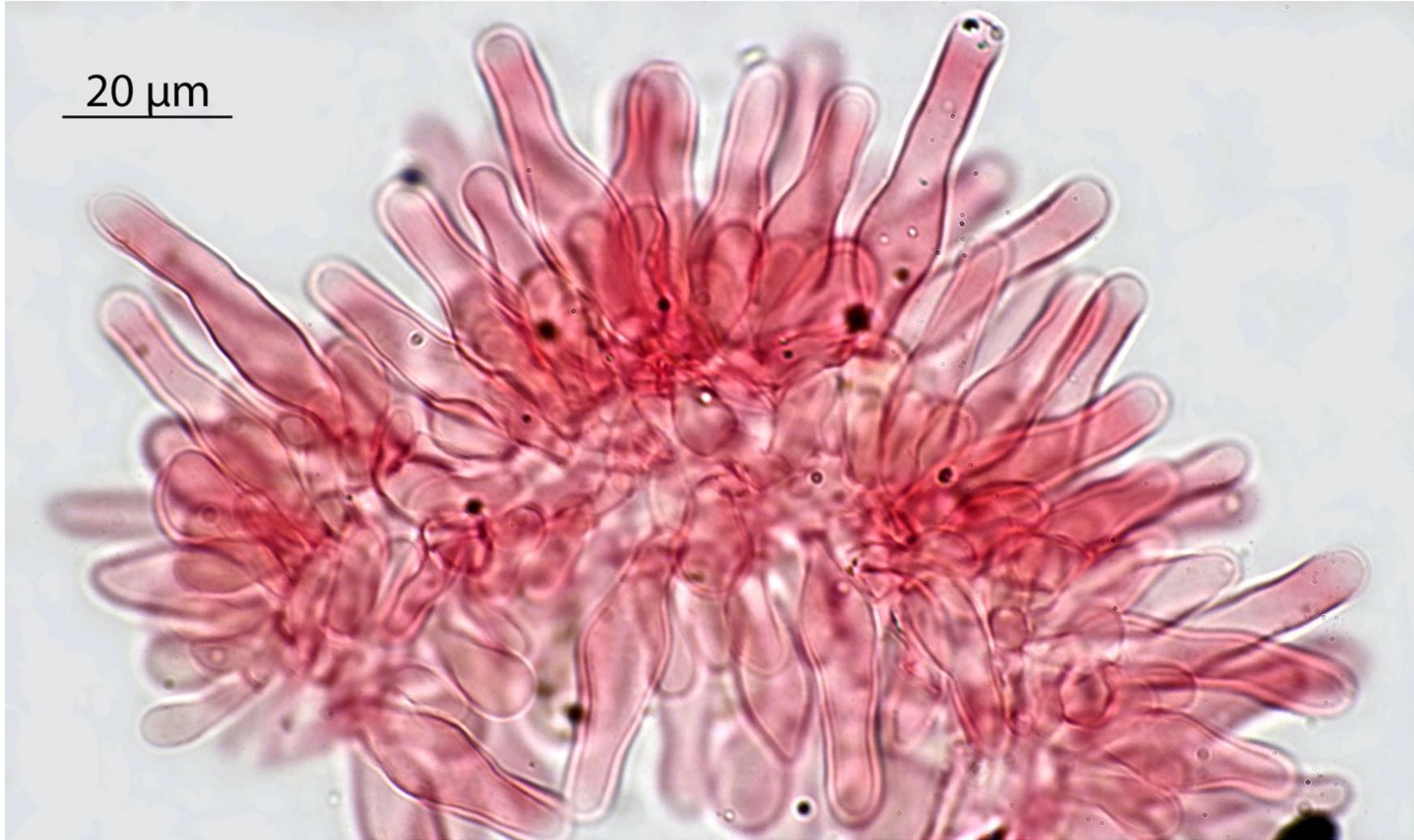
Me = 9,9 × 5,4 μm ;

Q = (1,6) 1,7 - 2 (2,1) ; Qe = 1,9

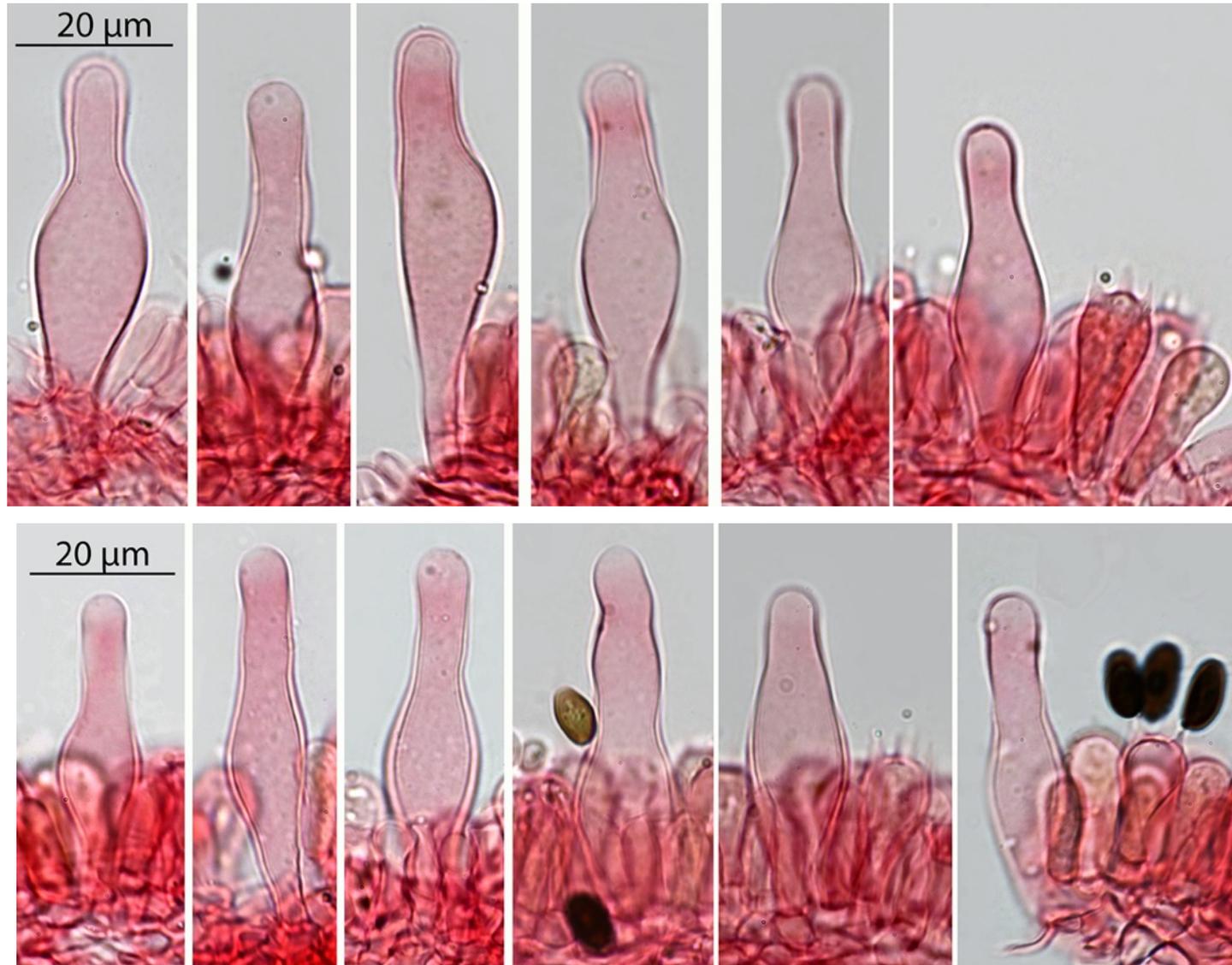
Cheilocystides denses, hyalines, à paroi mince, lagénigormes avec un long col étroit et un sommet large obtus
Cheilocystidia dense, hyaline, thin-walled, lageniform with a long narrow neck and a broad obtuse apex.



N = 57 : (26,4) 32,7 - 40,5 (42,5) × (6,8) 7,6 - 10,4 (13,2) μm ; Me = 36,4 × 9 μm

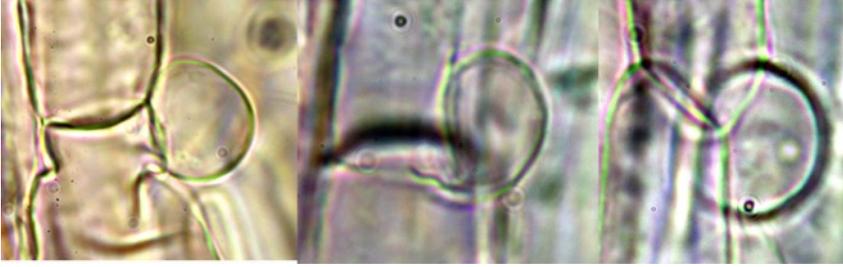


Pleurocystides nombreuses, hyalines à paroi mince, lagéniformes, similaires aux cheilocystides. Paracystides clavées peu nombreuses.
Pleurocystidia numerous, thin-walled hyaline, lageniform, similar to cheilocystidia. Paracystidia clavate few in number

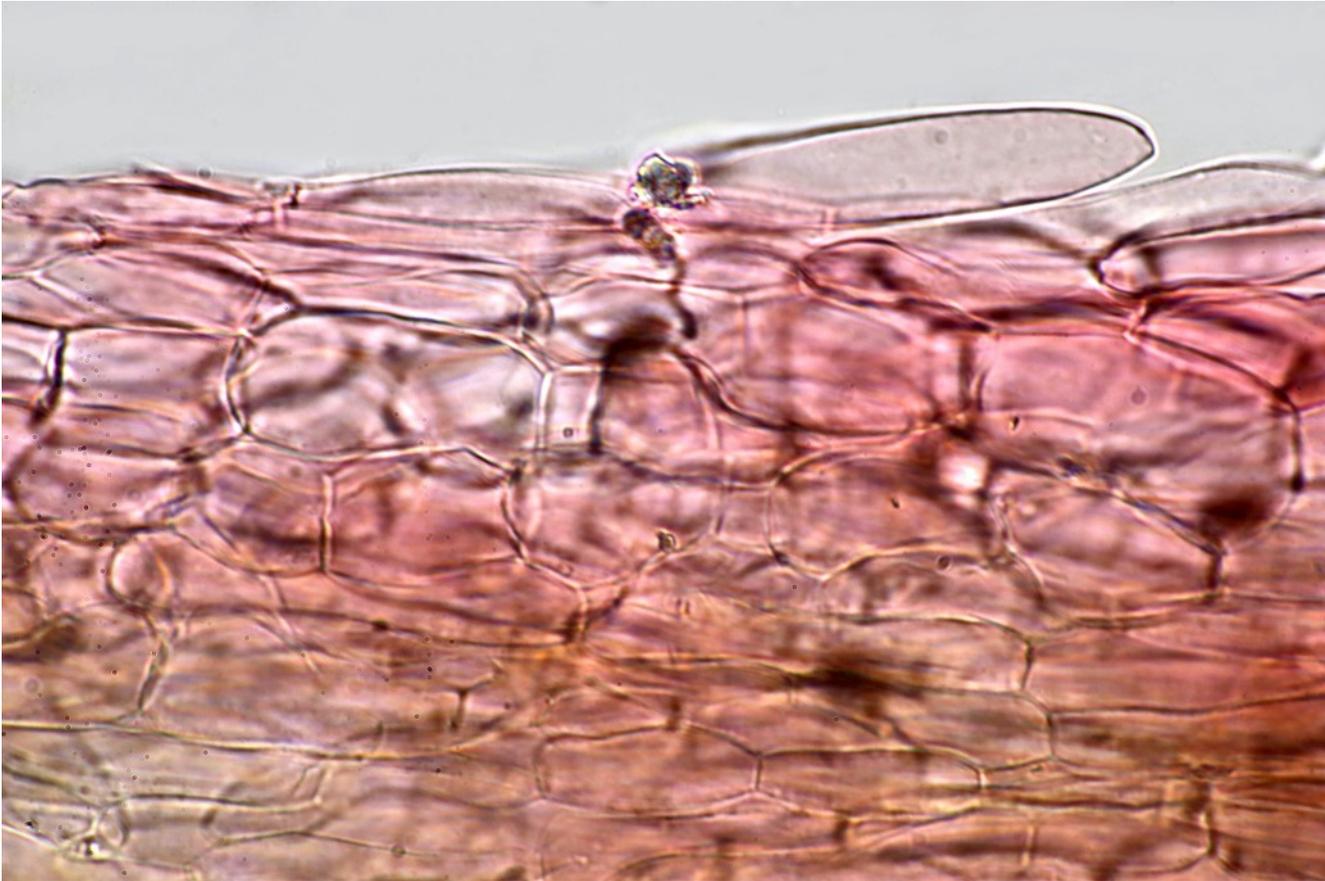


N = 34 ; (39,1) 41 - 52,9 (58,5) × (8,8) 9,6 - 14,2 (16,2) μm
Me = 47,3 × 12 μm.

Clamps on stipe hyphae



Pileipellis with the veil adhering



Caulocystidia



Remarks from Melzer :

Smith (1972) calls for *Psathyrella variabilissima* a few different characteristics, a young yellow velum in addition to the 4-spored basidia 2-spored also, and a correspondingly greater proportion (12-15 µm long) spores. There also occur up to 22 x 4 microns great, apically prolonged spores.

Psathyra gordonii f. *minor* ss. J. E. Lange 1936 in Dansk. bot. Ark. 9: 8 = *Psathyrella canoceph*

Psathyra gordonii var. (?) ss. J. E. Lange 1936 in Dansk. bot. Ark. 9: 8 = *Coprinopsis marcescibilis*

Psathyra gordonii ss. Buch 1952 in Blätterpilze Nordw. Sachsens = ?

Psathyrella gordonii ss. Schulmann 1960 in Karstenia 5: 71 = ?

Littérature:

Breitenbach & Kränzlin, 1995 - Champignons de Suisse p. 278 (as *Psathyrella pervelata*)

Enderle & Christan, 1992 - *Studien in der Gattung Psathyrella I* p.79. (as *P. vestita*),

Enderle & Hübner, 2005 - p.60 (as *P. vestita*),

Kits v. Wav., 1971 - p.309. (as *P. pervelata*),

Kits v. Wav., 1985 - The Dutch, French and British species of *Psathyrella* Persoonia Sup. 2 pp152-154 as *psudogordonii*, p.207 (as *P. vestita*), p.208 (as *P. pervelata*),

Örstadius, 2007 - *Studies on Psathyrella within the project Funga Nordica*. Agarica 27: 64-90

Örstadius & Knudsen, 2008 - *Funga Nordica* p.602

Orton, 1960 - *New checklist of British agarics and boleti. Part III, Notes on genera and species in the list*. Trans. Brit. Mycol. Soc 43 : 159-439

Smith, 1972 - *The North American species of Psathyrella*. Mem. N.Y. bot Gdn. p.137 (as *P. candidissima*), p.199. (as *P. abortiva*), p.212 (as *P. variabilissima*), p.214 (as *P. vestita*)

Smith & Stuntz, 1950 - p.122 (as *P. candidissima*),

Tabarés & Rocabrana, 2006 - p.125 - 127 (as *P. pervelata*),

Voto, 2013 - *Note su Psathyrella candolleana e P.pseudogordonii*; Rivista di Micologia 3: 247-261

Voto, 2015 - *Psathyrella Pseudogordonii and P. gordonii*. Mycol. Veget. Medit., 30(2) 103-110p.104

Yan & Bau, 2017 - p.144.

Site internet : <http://www.ambmuggia.it/forum/topic/9386-psathyrella-gordonii/>