

菊花珊瑚属已知种的检索表

- 1 (2) 珊瑚骨骼突块状, 珊瑚杯不规则多边形, 呈沟回形 梳状菊花珊瑚 *Goniastrea pectinata*
- 2 (1) 珊瑚骨骼块状或皮壳状, 珊瑚杯是 4—6 边形
- 3 (4) 珊瑚杯浅而小 (长径 3—5mm) 网状菊花珊瑚 *Goniastrea retiformis*
- 4 (3) 珊瑚杯深而大 (长径 5mm 以上)
- 5 (6) 隔片粗糙 粗糙菊花珊瑚 *Goniastrea aspera*
- 6 (5) 隔片光滑
- 7 (8) 隔片少 (最多 30 余个), 其中 4/5 与轴柱相连 少片菊花珊瑚 *Goniastrea yamanarii*
- 8 (7) 隔片多 (最多 80 余个), 其中只有 10—22 个与轴柱相连 深少片菊花珊瑚 *Goniastrea yamanarii profunda*

梳状菊花珊瑚 *Goniastrea pectinata* (Ehrenberg, 1834) (图版 XXXVI 图 1)

Astraea pectinata Ehrenberg, 1834, p. 320. (cited after Vaughan)

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标本采集地：三亚鹿回头、陵水新村港、华光礁、仙宾礁、仁爱礁、美济礁、仙娥礁、海口礁。

特征：珊瑚骨骼突块状，珊瑚杯不规则多边形，并有曲折沟回，少数的曲折沟回长达12—18mm，以10mm左右的占多数。相邻二珊瑚杯的隔片交替排列，隔片狭，边缘有不规则的细锯齿，两侧有细的颗粒，4/5以上的隔片与轴柱相连，而且有棒状围栅瓣。轴柱在底部，海绵状。

生活时为黄色，边缘部分是咖啡色。

地理分布：红海，马尔代夫群岛，索马里，查戈斯群岛，新加坡，印度尼西亚苏门答腊、雅加达，苏拉威西，班达群岛，菲律宾，帛琉群岛，澳大利亚，墨累岛，新喀里多尼亚群岛，汤加塔布岛，新赫布里底群岛，萨摩亚群岛，马绍尔群岛，加罗林群岛，马利亚纳群岛，比基尼环礁，贾卢伊特环礁，日本琉球群岛，小笠原群岛、九州、四国、本州；我国台湾、东沙群岛、西沙群岛、南沙群岛和海南岛。

注释：Veron, Pichon 和 Wijsman-Best (1977, p. 87) 认为 *Astraea favistella* Dana, *Astraea sinuosa* Dana, *Astraea cerium* Dana, *Goniastrea planulata* Milne-Edwards &

Haime, *Goniastrea quoyi* Milne-Edwards & Haime, *Goniastrea grayi* Milne-Edwards & Haime, *Goniastrea coronalis* Quelch, *Goniastrea columella* Crossland 和 *Goniastrea regularis* Chevalier 是本种的同物异名, Scheer 和 Pichai (1983, p. 120) 亦同意 *Goniastrea planulata* Milne-Edwards & Haime, *Goniastrea regularis* Chevalier 是本种的同物异名外, 还认为 *Goniastrea aspera* Verrill, *Goniastrea equisepta* Nemenzo, *Goniastrea favulus* (Dana), *Goniastrea incrustans* Duncan 和 *Goniastrea mantonae* Crossland 也是本种的同物异名。至于 *Goniastrea aspera* Verrill, 作者认为是个有效种, 与 Scheer 和 Pillai 持有不同的看法。

粗糙菊花珊瑚 *Goniastrea aspera* Verrill, 1865 (图版XXXVI 图2)

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标本采集地: 三亚鹿回头、西瑁岛、小东海、琼海沙荖、新盈邻昌、香港水域、甘泉岛、全富岛、晋卿岛、羚羊礁、华光礁、中建岛、盘石屿、西沙洲、赵述岛、北岛、东岛、北礁、蓬勃暗沙、仁爱礁、仙娥礁、信义礁、海口礁、半月礁。