Capítulo 17

LÁMINAS/PLATES
**Plate 1**

*Chubbina jamaicensis* Robinson 1968

1, 2, 4, 5: megalospheric forms

3: microspheric form

Transmitted light micrographs of thinsections of cemented carbonates of Maastrichtian age. Sample *Jam-2* from Jamaica, collected close to the type locality. Observe the streptospiral coiling that characterize this genus. 1: axial section (x50); 2: equatorial section (x50); 3: equatorial section (x25); 4, 5: oblique-centered sections near to axial plane (x50).

**ABBREVIATIONS:**

- **ap**: aperture/abertura
- **chl**: cortical chamberlet/camarilla cortical
- **flo**: flexostyle/canal flexostílico
- **flo**: floor/suelo
- **m chl**: medullar chamberlet/camarilla medular
- **prp**: preseptal passage/espacio preseptal
- **rpi**: residual pillar/pilar residual
- **s**: septum/septo
- **sh**: shaft
- **sl**: septula/tabique
Plate 2
Chubbina jamaicensis Robinson 1968
megalospheric forms (x50)
Transmitted light micrographs of thin sections of cemented carbonates of Maastrichtian age. Sample Jam-2 from Jamaica, collected close to the type locality. Observe the streptospiral coiling that characterize this genus. 1, 3, 6: oblique-centered sections near to axial plane; 2: equatorial section; 4, 5: sub-equatorial sections.

ABBREVIATIONS: c chl: cortical chamberlet/camarilla cortical; f: flexostyle/canal flexostílico; flo: floor/suelo; m chl: medullar chamberlet/camarilla medular; prp: preseptal passage/espacio preseptal; rpi: residual pillar/pilar residual; s: septum/septo; sh: shaft; sl: septula/tabique
PLATE 3

*Chubbina jamaicensis* Robinson 1968

1 to 6 megalospheric forms (x50)

7 microspheric form (x25)

Transmitted light micrographs of thin sections of cemented carbonates of Maastrichtian age. Sample *Jam*-2 from Jamaica, collected close to the type locality. 1: sub-axial section; 2-6: tangential sections; 7: oblique section.

**ABBREVIATIONS**: c chl: cortical chamberlet/camarilla cortical; flo: floor/suelo; m chl: medullar chamberlet/camarilla medular; prp: preseptal passage/espacio preseptal; rpi: residual pillar/pilar residual; s: septum/septo; sl: septula/tabique
**PLATE 4**

*Chubbina macgillavryi* Robinson 1968

1 to 4: megalospheric forms

5. microspheric form

Transmitted light micrographs of thinsections of cemented carbonates of Campanian to Maastrichtian age. Sample *VV-48* from Ocozocoautla, Chiapas (Mexico), collected close to the type locality. Observe the discoidal growth of microspheric form. 1, 4: axial sections (x50). 2: equatorial section (x50). 3: sub-equatorial section (x50). 5: oblique section (x12.5).

**ABBREVIATIONS:** **ap:** aperture/abertura; **chl:** cortical chamberlet/camarilla cortical; **E:** embryo/embrión; **flo:** floor/suelo; **m chl:** medullar chamberlet/camarilla medular; **prp:** preseptal passage/espacio preseptal; **pstp:** postseptal passage/espacio postseptal; **rpi:** residual pillar/pilar residual;
PLATE 5

*Chubbina macgillavryi* Robinson 1968

megalospheric forms (x50)

Transmitted light micrographs of thinsections of cemented carbonates of Campanian-Maastrichtian age. Sample *VV-48* from Ocozocoautla, Chiapas (Mexico), collected close to the type locality. 1, 6: equatorial sections; 2, 3, 5, 7: axial sections; 4: oblique section.

**ABBREVIATIONS:**
- c chl: cortical chamberlet/camarilla cortical
- E: embryo/embrión
- flo: floor/suelo
- m chl: medullar chamberlet/camarilla medular
- prp: preseptal passage/espacio preseptal
- s: septum/septo
- sl: septula/tabique
Plate 6

Chubbina macgillavryi Robinson 1968

megalospheric forms

Transmitted light micrographs of thin sections of cemented carbonates of Campanian-Maastrichtian age. Sample VV-48 from Ocozocoautla, Chiapas (Mexico), collected close to the type locality. 1, 4: oblique-non centered sections of megalospheric specimens (x50). 2, 6, 7, 9: tangential sections of megalospheric specimens (x50). 3, 5, 8: details (x100). Note the presence of a postseptal space.

Abbreviations: c chl: cortical chamberlet/camarilla cortical; prp: preseptal passage/espacio preseptal; pstp: postseptal passage/espacio postseptal; rpi: residual pillar/pilar residual; s: septum/septo; sh: shaft; sl: septula/tabique
**PLATE 7**

*Chubbina robinsoni* n. sp.

megalospheric forms (x50)

Transmitted light micrographs of thin sections of cemented carbonates of Campanian-Maastrichtian age, cut out from the including sediment of similar opaqueness. Sample *VV-80* from Trinitaria, Chiapas (Mexico). Observe the streptospiral coiling that characterize this genus. 1, 2, 5, 7, 8, 13, 14: oblique-centered sections near to axial plane. 3, 4, 10, 11: equatorial sections. 9, 12, 15: sub-axial sections.

**ABBREVIATIONS:**

- c chl: cortical chamberlet/camarilla cortical
- E: embryo/embrión
- flo: floor/suelo
- m chl: medullar chamberlet/camarilla medular
- prp: preseptal passage/espacio preseptal
- rpi: residual pillar/pilar residual
- sl: septula/tabique
**PLATE 8**

*Chubbina robinsoni* n. sp.

1 to 5: megalospheric forms (x50)

6 and 7: microspheric forms (x50)

Transmitted light micrographs of thinsections of cemented carbonates of Campanian-Maastrichtian age, cut out from the including sediment of similar opaquenes. Sample *VV-80* from Trinitaria, Chiapas (Mexico). 1, 3: oblique section. 2, 6: transverse sections close to equatorial plane. 4: oblique-centered section close to equatorial plane. 5, 7: transverse sections close to axial plane.

**ABBREVIATIONS:**
cchl: cortical chamberlet/camarilla cortical; E: embryo/embrón; flo: floor/suelo; mchl: medullar chamberlet/camarilla medular; prp: preseptal passage/espacio preseptal; rpi: residual pillar/pilar residual; s: septum/septo; sh: shaft;
Plate 9

*Chubbina pecuexi* n. sp.
megalospheric forms (x50)

Transmitted light micrographs of thin sections of cemented carbonates of Campanian-Maastrichtian age, cut out from the including sediment of similar opaqueness. Sample *VV-80* from Trinitaria, Chiapas (Mexico). 1-6, 8, 9: axial sections. 7: oblique-centered section. 10, 11: equatorial sections. Note: 7 and 11 broken specimens.

**Abbreviations:**
c chl: cortical chamberlet/camarilla cortical; E: embryo/embrión; f: flexostyle/canal flexostílico; flo: floor/suelo; m chl: medullar chamberlet/camarilla medular; prp: preseptal passage/espacio preseptal; rpi: residual pillar/pilar residual; s: septum/septo; sl: septula/tabique
**Plate 10**

*Chubbina pecheuxi* n. sp.

2: megalospheric form (x50)

1 and 3: microspheric forms (x50)

Transmitted light micrographs of thin sections of cemented carbonates of Campanian-Maastrichtian age. Sample *VV-80* from Trinitaria, Chiapas (Mexico). 1, 2: oblique-centered sections close to equatorial plane. 3: oblique section, probably from a microspheric form in a senior growth state.

**ABBREVIATIONS:** E: embryo/embrión; f: flexostyle/canal flexostílico; flo: floor/suelo; mchl: medullar chamberlet/camarilla medular; prp: preseptal passage/espacio preseptal; sl: septula/tabique
PLATE 11

Sellialveolina viallii Colalongo. 1963
megalospheric forms (x100)

Transmitted light micrographs of thin sections of cemented carbonates of Cenomanian age. Sample LC-42 from southern Apenines (Italy). 1: equatorial section. 2-4: oblique sections very close to axial plane.

**ABBREVIATIONS:**
c chl: cortical chamberlet/camarilla cortical; E: embryo/embrión; flo: floor/suelo; m chl: medullar chamberlet/camarilla medular; prp: preseptal passage/espacio preseptal; rpi: residual pillar/pilar residual; sl: septula/tabique
PLATE 12

*Sellialveolina viallii* Colalongo. 1963
microspheric forms (x100)

Transmitted light micrographs of thin sections of cemented carbonates of Cenomanian age. Sample *LC-42* from southern Apennines (Italy). 1, 2, 4: oblique-centered sections close to axial plane. 3: equatorial section.

**ABBREVIATIONS:** c chl: cortical chamberlet/camarilla cortical; flo: floor/suelo; m chl: medullar chamberlet/camarilla medular; prp: preseptal passage/espacio preseptal; rpi: residual pillar/pilar residual; s: septum/septo; sl: septula/tabique
Plate 13

Selliavololina viallii Colalongo. 1963

1 to 9: megalospheric forms (x50)
10 to 13: microspheric forms (x50)

Transmitted light micrographs of thinsections of cemented carbonates of Cenomanian age. Sample LC-42 from southern Apennines (Italy). 1-4: axial sections. 5, 6, 8: tangential sections. 7: oblique section. 9: equatorial section. 10: oblique section close to equatorial plane. 11, 12: oblique sections close to axial plane. 13: equatorial section.

Abbreviations: ap: aperture/abertura; c chl: cortical chamber/ camarilla cortical; c fo: cortical foramen; f: flexostyle/canal flexostilico; flo: floor/suelo; m chl: medullar chamber/camarilla medular; prp: preseptal passage/espacio preseptal; rpi: residual pillar/pilar residual; s: septum/septo; sh: shaft; sl: septula/tabique
Plate 14

*Sellialveolina quintanensis* n. sp.

megalospheric forms (x100)

Transmitted light micrographs of thin sections of cemented carbonates of Cenomanian age, cut out from the including sediment of similar opaqueness. Samples 95-xx from Puerto de Villaroya, Iberian range, (Spain). 1: oblique-centered section. 2: tangential section. 3-5: axial sections. 6-11: oblique-centered sections close to axial plane. 12: oblique-centered section.

**ABBREVIATIONS:**

- c chl: cortical chamberlet/camarilla cortical; E: embryo/embrión; m chl: medullar chamberlet/camarilla medular; prp: preseptal passage/espacio preseptal; rpi: residual pillar/pilar residual; s: septum/septo; sl: septula/tabique
PLATE 15

*Sellialveolina quintanensis* n. sp.

1, 4 to 7: megalospheric? forms (x100)
2, 3: microspheric? forms (x100)

Transmitted light micrographs of thinsections of cemented carbonates of Cenomanian age, cut out from the including sediment of similar opaqueness. Samples 95-11 and 95-40 from Puerto de Villaroya, Iberian range, (Spain). 1: oblique section. 2, 3: sub-axial section. 4, 6: oblique-tangential sections. 5, 7: tangential sections.

**ABBREVIATIONS:** 
- c chl: cortical chamberlet/camarilla cortical
- m chl: medullar chamberlet/camarilla medular
- prp: preseptal passage/espacio preseptal
- s: septum/septo
- sl: septula/tabique
Plate 16

Sellialveolina montieli n. sp.

1 to 5: megalospheric forms (x100)
6, 7: microspheric forms (x100)

Transmitted light micrographs of thin sections of cemented carbonates of Cenomanian age, cut out from the including sediment of similar opaqueness. Sample 95-74 from Puerto del Remolcador, Iberian range, (Spain). 1, 3, 5: axial sections. 2, 4: oblique-centered sections close to equatorial plane. 6: sub-axial section. 7: oblique section close to equatorial plane.

Abbreviations: c chl: cortical chamberlet/camarilla cortical; E: embryo/embrión; f: flexostyle/canal flexostílico; flo: floor/suelo; m chl: medullar chamberlet/camarilla medular; prp: preseptal passage/espacio preseptal; s: septum/septo; sl: septula/tabique
Plate 17

*Sellialveolina montieli* n. sp.

1 to 6: megalospheric forms (x100)
7: microspheric form (x100)

Transmitted light micrographs of thin sections of cemented carbonates of Cenomanian age, cut out from the including sediment of similar opaqueness. Sample 95-74 from Puerto del Remolcador, Iberian range, (Spain). 1, 2, 3: axial sections. 4: oblique-centered sections close to axial plane. 5: oblique-centered section close to equatorial plane. 6: oblique section close to equatorial plane. 7: oblique section close to axial plane.

**ABBREVIATIONS:** *c chl*: cortical chamberlet/camarilla cortical; *E*: embryo/embrón; *flo*: floor/suelo; *m ap*: medullar aperture/abertura medular; *m chl*: medullar chamberlet/camarilla medular; *prp*: preseptal passage/espacio preseptal; *sh*: shaft; *sl*: septula/tabique
**PLATE 18**

*Sellialveolina montieli* n.sp.

1 to 6: megalospheric forms (x100)

7: microspheric form (x100)

Transmitted light micrographs of thinsections of cemented carbonates of Cenomanian age, cut out from the including sediment of similar opaqueness. Sample *M-02* from Montiel, Iberian range, (Spain). 1, 2, 3: oblique-centered sections close to axial plane. 4, 5, 7, 9, 10: tangential sections. 6: oblique section. 6: oblique section close to equatorial plane. 7: oblique section close to axial plane. 8: tranverse section parallel to equatorial plane.

**ABBREVIATIONS:**
- c chl: cortical chamberlet/camarilla cortical
- E: embryo/embrión
- f: flexostyle/canal flexostilico
- flo: floor/suelo
- m chl: medullar chamberlet/camarilla medular
- prp: preseptal passage/espacio preseptal
- sl: septula/tabique
PLATE 19

_Sellialveolina gutzwilleri_ n. sp.
megalospheric forms (x100)

Transmitted light micrographs of thin sections of cemented carbonates of Cenomanian age, cut out from the including sediment of similar opaqueness. Sample _VVTE-1_ from Ejulve, Iberian range, (Spain). 1, 2: oblique-centered sections close to axial plane. 3: axial section. 4, 5: equatorial sections.

**ABBREVIATIONS:**
c chl: cortical chamberlet/camarilla cortical; E: embryo/embrión; f: flexostyle/canal flexostílico; flo: floor/suelo; m chl: medullar chamberlet/camarilla medular; prp: preseptal passage/espacio preseptal; rpi: residual pillar/pilar residual; s: septum/septo
Sellialveolina gutzwilleri n. sp.
magalospheric forms (x100)

Transmitted light micrographs of thinsections of cemented carbonates of Cenomanian age, cut out from the including sediment of similar opaqueness. Sample VVTE-1 from Ejulve, Iberian range, (Spain). 1: axial section. 2, 4, 6: oblique-centered sections close to axial plane. 3: transverse section. 5: oblique-centered section close to equatorial plane.

**ABBREVIATIONS:**
c chl: cortical chamberlet/camarilla cortical; flo: floor/suelo; m chl: medular chamberlet/camarilla medular; prp: preseptal passage/espacio preseptal; s: septum/septo; sl: septula/tabique
PLATE 21

*Sellialveolina gutzwilleri* n. sp.

megalospheric? forms (x100)

Transmitted light micrographs of thin sections of cemented carbonates of Cenomanian age, cut out from the including sediment of similar opaqueness. Sample *VVTE-I* from Ejulve, Iberian range, (Spain). 1-6: tangential sections.

**ABBREVIATIONS:**
- **chl**: cortical chamberlet/camarilla cortical;
- **flo**: floor/suelo;
- **m chl**: medullar chamberlet/camarilla medular;
- **prp**: preseptal passage/espacio preseptal;
- **rpi**: residual pillar/pilar residual;
- **sl**: septula/tabique
Plate 22

*Sellialveolina gutzwilleri* n. sp.

1, 3, 5, 6: megalospheric forms (x100)

2, 4: microspheric forms (x100)

Transmitted light micrographs of thin sections of cemented carbonates of Cenomanian age, cut out from the including sediment of similar opaqueness. Sample *VVTE-2* from Morrón de Pinarueco, Iberian range, (Spain). 1, 2, 6: axial sections. 3-5: oblique-centered sections close to axial plane.

**ABBREVIATIONS:**

- c chl: cortical chamberlet/camarilla cortical;
- E: embryo/embrió;
- f: flexostyle/canal flexostílico;
- flo: floor/suelo;
- m chl: medullar chamberlet/camarilla medular;
- prp: preseptal passage/espacio preseptal;
- rpi: residual pillar/pilar residual;
- sl: septula/tabique
Plate 23

*Sellialveolina gutzwilleri* n. sp.

megalospheric forms

Transmitted light micrographs of thin sections of cemented carbonates of Cenomanian age, cut out from the including sediment of similar opaqueness. Sample *VVTE-2* from Morrón de Pinarueco, Iberian range, (Spain). 1-4, 6: oblique sections (x100). 5: oblique section (x50)

**ABBREVIATIONS:**
c chl: cortical chamberlet/camarilla cortical; flo: floor/suelo; prp: preseptal passage/espacio preseptal; rpi: residual pillar/pilar residual; s: septum/septo; sh: shaft; sl: septula/tabique
PLATE 24

Sellialveolina gutzwilleri n. sp.

megalospheric forms

Transmitted light micrographs of thin sections of cemented carbonates of Cenomanian age, cut out from the including sediment of similar opaqueness. Sample 86050407 from Puerto de Villaroya, Iberian range, (Spain). 1, 2, 5: oblique sections close to axial plane. 3, 4: axial sections.

ABBREVIATIONS: c chl: cortical chamberlet/camarilla cortical; E: embryo/embrión; f: flexostyle/canal flexóstílico; m chl: medullar chamberlet/camarilla medular
Plate 25

Murciella cuvillieri Fourcade 1966

1-7, 9-11: megalospheric forms (x100)
8: microspheric form (x100)

Topotypes. Transmitted light micrographs of thin sections of cemented carbonates, cut out from the including sediment of similar opaqueness. Sample Be-92 from Sierra de los Agüeros, Betic domain, (Spain). 1-3: oblique-centered sections close to axial plane. 4-9: axial sections. 10: oblique-centered section close to equatorial plane. 11: equatorial section.

Abbreviations: c chl: cortical chamberlet/camarilla cortical; E: embryo/embrión; f: flexostyle/canal flexostílico; flo: floor/suelo; m chl: medullar chamberlet/camarilla medular; prp: preseptal passage/espacio preseptal; rpi: residual pillar/pilar residual; s: septum/septo; sl: septula/tabique
**PLATE 26**

*Murciella cuvillieri* Fourcade 1966  
megalospheric forms (x100)

Topotypes. Transmitted light micrographs of thinsections of cemented carbonates, cut out from the including sediment of similar opaqueness. Sample *Be-92* from Sierra de los Agüeros, Betic domain, (Spain). 1, 2, 5: axial sections. 3: tangential section. 4, 7: oblique sections of uncoiled growth. 6: oblique-centered section. 8, 9: transverse section of uncoiled growth.

**ABBREVIATIONS:**  
* m ap:* medullar aperture/abertura medular;  
* c chl:* cortical chamberlet/camarilla cortical;  
* E:* embryo/embrión;  
* flo:* floor/suelo;  
* m chl:* medullar chamberlet/camarilla medular;  
* prp:* preseptal passage/espacio preseptal;  
* rpi:* residual pillar/pilar residual;  
* s:* septum/septo;  
* sh:* shaft;  
* sl:* septula/tabique
Plate 27

*Murciella cuvillieri* Fourcade 1966

1-2, 4-8: megalospheric forms (x100)

3: microspheric form (x100)

Transmitted light micrographs of thin sections of cemented carbonates of Campanian-Maastrichtian age, cut out from the including sediment of similar opaqueness. Sample *GAV-3* from Sierra Gavilanes, Betic domain, (Spain). 1-3, 6: axial sections. 4-5: equatorial sections. 7: oblique-centered section close to axial plane. 8: tangential section.

*ABBREVIATIONS:* c chl: cortical chamberlet/camarilla cortical; E: embryo/embrión; f: flexostyle/canal flexostílico; flo: floor/suelo; m chl: medullar chamberlet/camarilla medular; prp: preseptal passage/espacio preseptal; s: septum/septo
PLATE 28

*Murciella cuvillieri* Fourcade 1966

2-7: megalospheric? forms (x100)

1: microspheric form (x100)

Transmitted light micrographs of thin sections of cemented carbonates of Campanian-Maastrichtian age, cut out from the including sediment of similar opaqueness. Sample *GAV-3* from Sierra Gavilanes, Betic domain, (Spain). 1, 2, 4, 5: oblique sections. 3: tangential section. 6, 7: longitudinal section of uncoiled growth.

**ABBREVIATIONS:**

- **chl:** cortical chamberlet/camarilla cortical
- **flo:** floor/suelo
- **m chl:** medullar chamberlet/camarilla medular
- **prp:** preseptal passage/espacio preseptal
- **rpi:** residual pillar/pilar residual
- **s:** septum/septo
- **sl:** septula/tabique
PLATE 29

Murciella n. sp. 1
megalospheric forms

Transmitted light micrographs of thin sections of cemented carbonates of Campanian-Maastrichtian age. Sample HE from Hellín, Betic domain, (Spain). Observe the umbilical depression in picture 1, and the final uncoiled growth in pictures 5 and 6. 1: axial section (x100). 2: oblique-centered section very close to axial plane (x100). 3: axial section (x50). 4: oblique-centered section very close to equatorial plane (x50). 5: equatorial section (x50). 6: oblique-centered section close to equatorial plane (x100).

ABBREVIATIONS: c chl: cortical chamberlet/camarilla cortical; E: embryo/embrión; f: flexostyle/canal flexostílico; flo: floor/suelo; m chl: medullar chamberlet/camarilla medular; prp: preseptal passage/espacio preseptal; rpi: residual pillar/pilar residual; sh: shaft; sl: septula/tabique
PLATE 30

*Murciella* n. sp. 1
megalospheric forms

Transmitted light micrographs of thin sections of cemented carbonates of Campanian-Maastrichtian age. Sample *HE* from Hellín, Betic domain, (Spain). Observe final uncoiled growth in picture 8. 1-3: axial section (x100). 4, 5, 7: oblique-centered section close to equatorial plane (x50). 6: oblique section close to equatorial plane (x50). 8: subequatorial section (x50).

**ABBREVIATIONS:**
cchl: cortical chamberlet/camarilla cortical; E: embryo/embrión; f: flexostyle/canal flexostílico; flo: floor/suelo; m chl: medullar chamberlet/camarilla medular; prp: preseptal passage/espacio preseptal; rpi: residual pillar/pilar residual; sl: septula/tabique; s: septum/septo
PLATE 31

_Murciella_ n. sp. 1

megalospheric forms

Transmitted light micrographs of thin sections of cemented carbonates of Campanian-Maastrichtian age. Sample _HE_ from Hellín, Betic domain, (Spain). Observe the sections of uncoiled state. 1, 3, 5, 7: tangential sections (x50). 2: longitudinal section of uncoiled part of the shell (x100). Observe the cross-wise structure 4, 8: longitudinal section of uncoiled part of the shell (x50). 6, 9-15: transverse sections of uncoiled part of the shell (x50).

**ABBREVIATIONS:** ap: aperture/abertura; c chl: cortical chamberlet/camarilla cortical; flo: floor/suelo; m chl: medullar chamberlet/camarilla medular; prp: preseptal passage/espacio preseptal; rpi: residual pillar/pilar residual; sl: septula/tabique
Plate 32

*Murciella*? n. sp. 2
megalospheric? forms (x50)

Transmitted light micrographs of thin sections of cemented carbonates of Upper Maastrichtian age. Samples *VVGR 40.x* from Sierra Grossa, Betic domain, (Spain). 1-4: oblique sections close to axial plane. 5: axial section. 6, 7: equatorial sections. 8-10: longitudinal sections of uncoiled growth.

**ABBREVIATIONS:** c chl: cortical chamberlet/camarilla cortical; flo: floor/suelo; m chl: medullar chamberlet/camarilla medular; s: septum/septo; sl: septula/tabique
Plate 33

*Cyclopseudedomia smouti* Fleury 1974

megalospheric forms (x50)

Topotypes. Transmitted light micrographs of thin sections of cemented carbonates of Campanian-Maastrichtian age. Sample *Py-12* from Pylos, Peloponese, (Greece). 1: equatorial section. 2-5, 10: oblique-centered sections. 6-9: axial sections.

**ABBREVIATIONS:** c chl: cortical chamberlet/camarilla cortical; E: embryo/embrión; f: flexostyle/canal flexostílico; m chl: medullar chamberlet/camarilla medular; prp: preseptal passage/espacio preseptal; rpi: residual pillar/pilar residual; s: septum/septo
Plate 34

*Cyclopsuedemia smouti* Fleury 1974

topotypes. Transmitted light micrographs of thin sections of cemented carbonates of Campanian-Maastrichtian age. Sample *Py-12* from Pylos, Peloponnese, (Greece). 1-6: oblique sections. 7-10: transverse sections.

**ABBREVIATIONS:**
- **bl**: basal layer/capa basal
- **chl**: cortical chamberlet/camarilla cortical
- **m ap**: medullar aperture/abertura medular
- **m chl**: medullar chamberlet/camarilla medular
- **prp**: preseptal passage/espacio preseptal
- **rpi**: residual pillar/pilar residual
- **s**: septum/septo
- **sl**: septula/tabique
PLATE 35

*Cyclopseudedomia smouti* Fleury 1974
megalospheric? forms

*ABBREVIATIONS:* bl: basal layer/capa basal; c chl: cortical chamberlet/camarilla cortical; m chl: medullar chamberlet/camarilla medular; prp: preseptal passage/espacio preseptal; sl: septula/tabique
**Plate 36**

*Cyclopseudedomia smouti* Fleury 1974

1-3, 5, 6: megalospheric? forms

4: microspheric? form


**ABBREVIATIONS:** bl: basal layer/capa basal; c chl: cortical chamberlet/camarilla cortical; m chl: medullar chamberlet/camarilla medular; sl: septula/tabique
Transmitted light micrographs of thin sections of cemented carbonates of Campanian-Maastrichtian age, cut out from the including sediment of similar opaqueness. Sample Py-12 from Pylos, Peloponnese, (Greece). 1, 3, 5, 6: axial sections. 2, 7: equatorial sections. 8: oblique-centered section close to axial plane.

**ABBREVIATIONS:** c chl: cortical chamberlet/camarilla cortical; c fo: cortical foramen; f: flexostyle/canal flexostílico; flo: floor/suelo; m chl: medullar chamberlet/camarilla medular; prp: preseptal passage/espacio preseptal; rpi: residual pillar/pilar residual; sh: shaft; sl: septula/tabique
Plate 38

*Cuvillierinella salentina* Papetti and Tedeschi 1965

megalospheric forms (x100)

Transmitted light micrographs of thin sections of cemented carbonates of Campanian-Maastrichtian age, cut out from the including sediment of similar opaqueness. Sample *Py-12* from Pylos, Peloponnese, (Greece). 1, 3, 6-8: axial sections. 2: sub-axial section. 4, 5: oblique-centered sections close to axial plane. 9: oblique section.

**ABBREVIATIONS:**
c chl: cortical chamberlet/camarilla cortical; flo: floor/suelo; m chl: medullar chamberlet/camarilla medular; prp: preseptal passage/espacio preseptal; rpi: residual pillar/pilar residual; sl: septula/tabique
PLATE 39

*Cuvillierinella salentina* Papetti and Tedeschi 1965
megalospheric forms (x100)

Transmitted light micrographs of thin sections of cemented carbonates of Campanian-Maastrichtian age, cut out from the including sediment of similar opaqueness. Sample *Py*-12 from Pylos, Peloponnese, (Greece). 1: oblique-centered section close to axial plane. 2: oblique section close to equatorial plane. 3, 5, 6: longitudinal section of uncoiled growth. 4: oblique section. 7-9: transverse section of uncoiled growth.

**ABBREVIATIONS:** c chl: cortical chamberlet/camarilla cortical; m chl: medullar chamberlet/camarilla medular; prp: preseptal passage/espacio preseptal; rpi: residual pillar/pilar residual; s: septum/septo
PLATE 40

*Cuvillierinella* n. sp.1

1-6, 9: megalospheric forms (x100)

7, 8: microspheric forms? (x100)

Transmitted light micrographs of thin sections of cemented carbonates of Campanian-Maastrichtian age. Sample *HE* from Hellín, Betic domain (Spain). 1: oblique-centered section close to equatorial plane; 2, 3: longitudinal section from uncoiled part of the shell. 4-6: oblique section; 7: oblique section close to equatorial plane; 8: subaxial section; 9: transverse section from uncoiled part of the shell.

**ABBREVIATIONS:**

- c chl: cortical chamberlet/camarilla cortical
- E: embryo/embrión
- fo: foramen
- m chl: medullar chamberlet/camarilla medular
- m fo: medullar foramen/foramen medular
- prp: preseptal passage/espacio preseptal
- sl: septula/tabique
PLATE 41

_Rhapydionina fleuryi_ n. sp.

megalospheric forms (x100)

Transmitted light micrographs of thin sections of cemented carbonates of Campanian- Maastrichtian age, cut out from the including sediment of similar opaqueness. Sample Py-12 from Pylos, Peloponnese, (Greece). 1: oblique section. 2: axial section. 3: oblique section. 4: oblique-centered section.

**ABBREVIATIONS:** c fo: cortical foramen; E: embryo/embrón; m fo: median foramen; prp: preseptal passage/espacio preseptal; sl: septula/tabique
Plate 42

*Rhapydionina fleuryi* n. sp.
megalospheric forms (x100)

Transmitted light micrographs of thin sections of cemented carbonates of Campanian-Maastrichtian age, cut out from the including sediment of similar opaqueness. Sample *Py-12* from Pylos, Peloponnese (Greece). 1: axial section. 2-4: longitudinal sections of uncoiled stage. 3: transversal section.

**ABBREVIATIONS:** *chl*: cortical chamberlet/camarilla cortical; *fo*: cortical foramen; *m chl*: medullar chamberlet/camarilla medular; *m fo*: median foramen; *prp*: preseptal passage/espacio preseptal; *rpi*: residual pillar/pilar residual; *s*: septum/septo; *sl*: septula/tabique
Plate 43

_Rhapydionina liburnica_ Stache 1913

megalospheric forms

Transmitted light micrographs of thin sections of cemented carbonates of Campanian-Maastrichtian age. Sample _Vytina_ from Vytina, Peloponnese (Greece). 1: longitudinal/oblique section of uncoiled stage of growth (x50). 2: longitudinal/oblique section of uncoiled stage of growth (x100). 3: detail from fig.2 (x200). Observe in the last figure that in the central part of the septum the shell thickness seems to increase.

**ABBREVIATIONS:**
c _chl_: cortical _chamberlet/camarilla_ cortical; m _chl_: medullar _chamberlet/camarilla_ medular; prp: _preseptal passage/espacio preseptal_; rpi: residual _pillar/pilar_ residual
**PLATE 44**

*Rhapsdionina liburnica* Stache 1913

egalospheric forms

Transmitted light micrographs of thinsections of cemented carbonates of Campanian-Maastrichtian age. Sample *Vytina* from Vytina, Peloponnese (Greece). Sections of the uncoiled stage. 1, 4: oblique section (x50). 2, 3: longitudinal sections (x50). 5: transverse section (x100).

**ABBREVIATIONS:**
- **c chl**: cortical chamberlet/camarilla cortical
- **m chl**: medullar chamberlet/camarilla medular
- **m fo**: median foramen
- **rpi**: residual pillar/pilar residual
- **sl**: septula/tabique