

Supplementary Online Materials

A partial skeleton of *Carcharias cuspidatus* (Agassiz, 1843) (Chondrichthyes, Carchariidae) including embryos from the Oligocene of Germany

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The photographs of the shark were made years ago. Only afterward it was realised several photos are not properly focused and therefore not suitable for publication. As they comprise valuable information those photographs are made available in this Supplementary Online Materials at www.wtkg.org/tijdschriften/cainozoic-research.

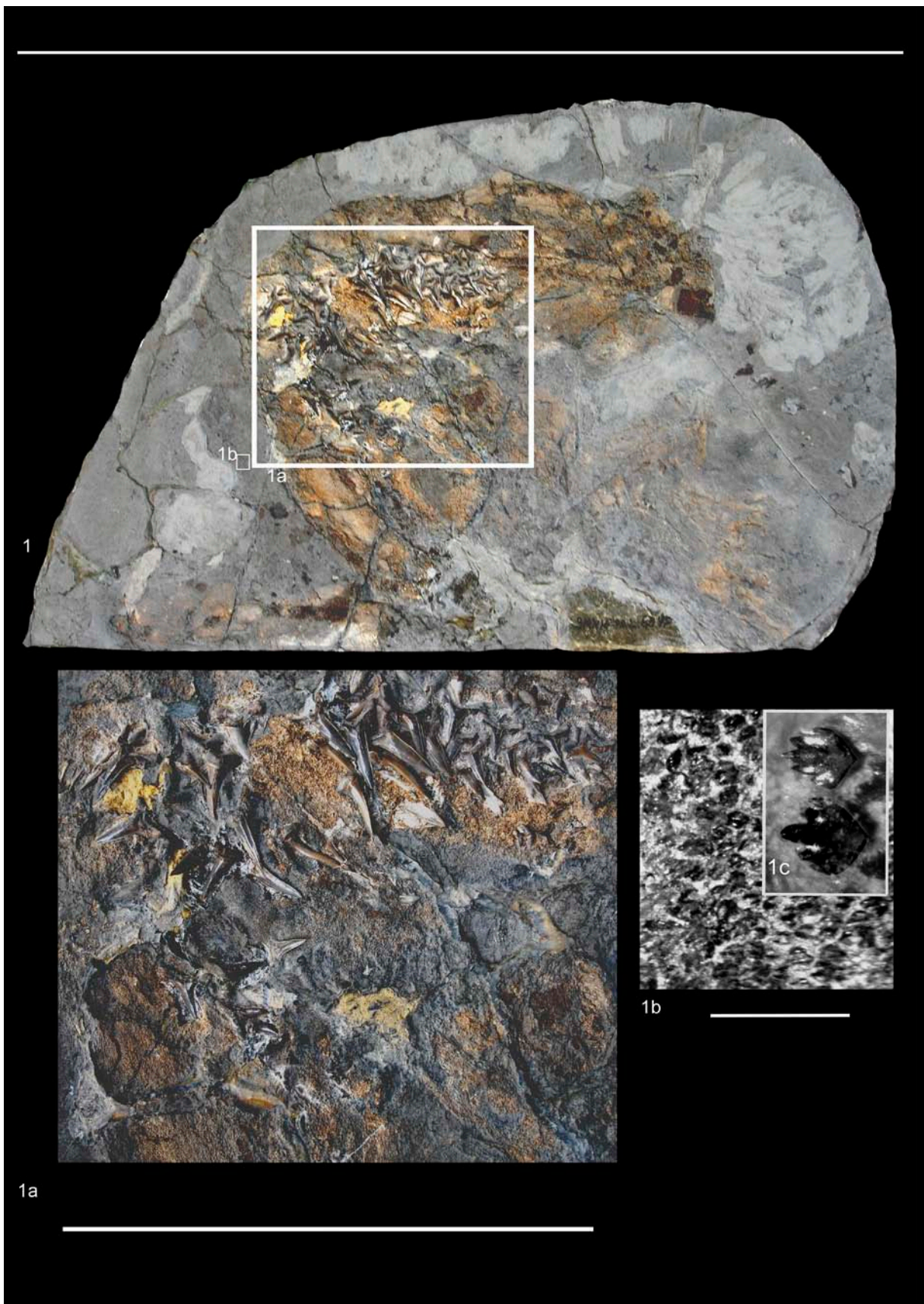


Plate 6. *Carcharias cuspidatus* (Agassiz, 1843). HLMD-WT 941.

1. **Main slab.** cranium; 1a. detail of the upper dentition; 1b. detail of a skin patch; 1c. magnified denticles.
Bar: 1000 mm in 1; 300 mm in 1a; 4 mm in 1b; 20 mm in 1c.

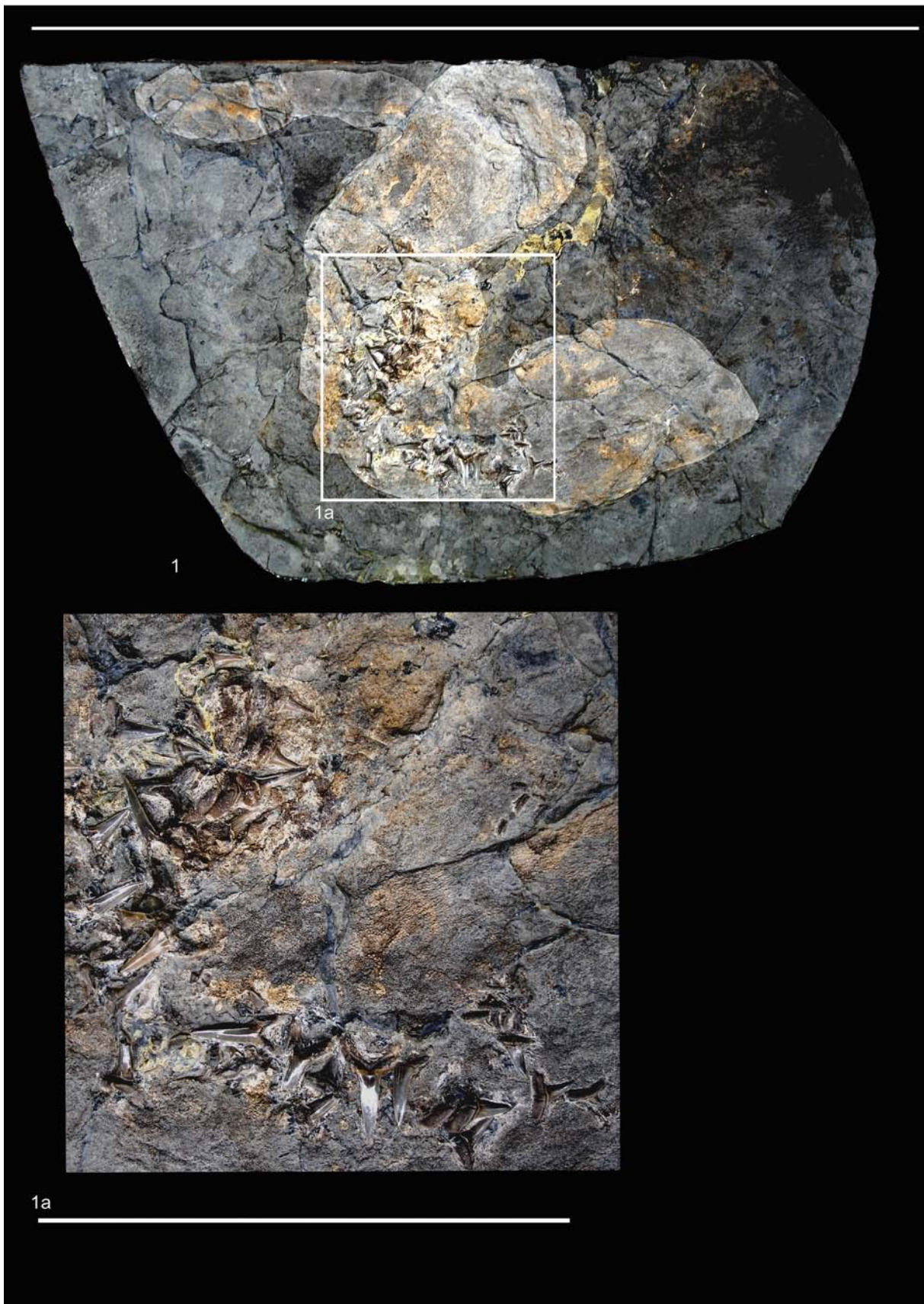


Plate 7. *Carcharias cuspidatus* (Agassiz, 1843). SMNK-PAL 6598.

1. **Counter slab.** cranium; 1a. detail of the lower dentition. Bar: 1000 mm in 1 & 300 mm in 1a.

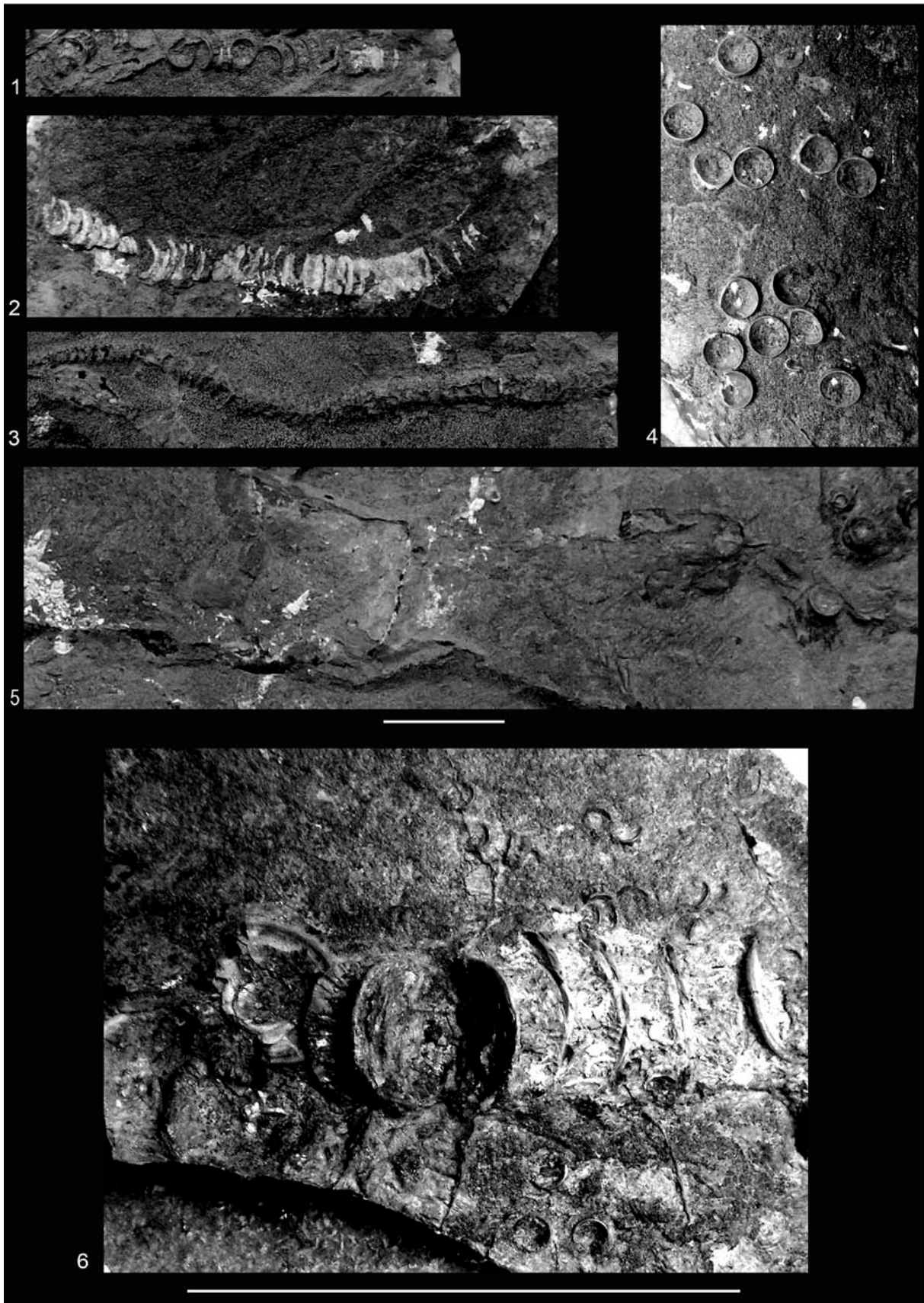


Plate 8. *Carcharias cuspidatus* (Agassiz, 1843). HLMD-WT 941.

Embryos. 1. cluster with 12 scattered associated embryonic vertebrae; 2. an embryonic vertebral column section; 3. an embryonic vertebral column section; 4. cluster of 13 scattered associated embryonic vertebrae; 5. cartilage remains and two embryonic vertebrae; 6. embryonic vertebrae remains near the main vertebral column of the adult specimen. Bar: 20 mm in 1-5; 100 mm in 6.

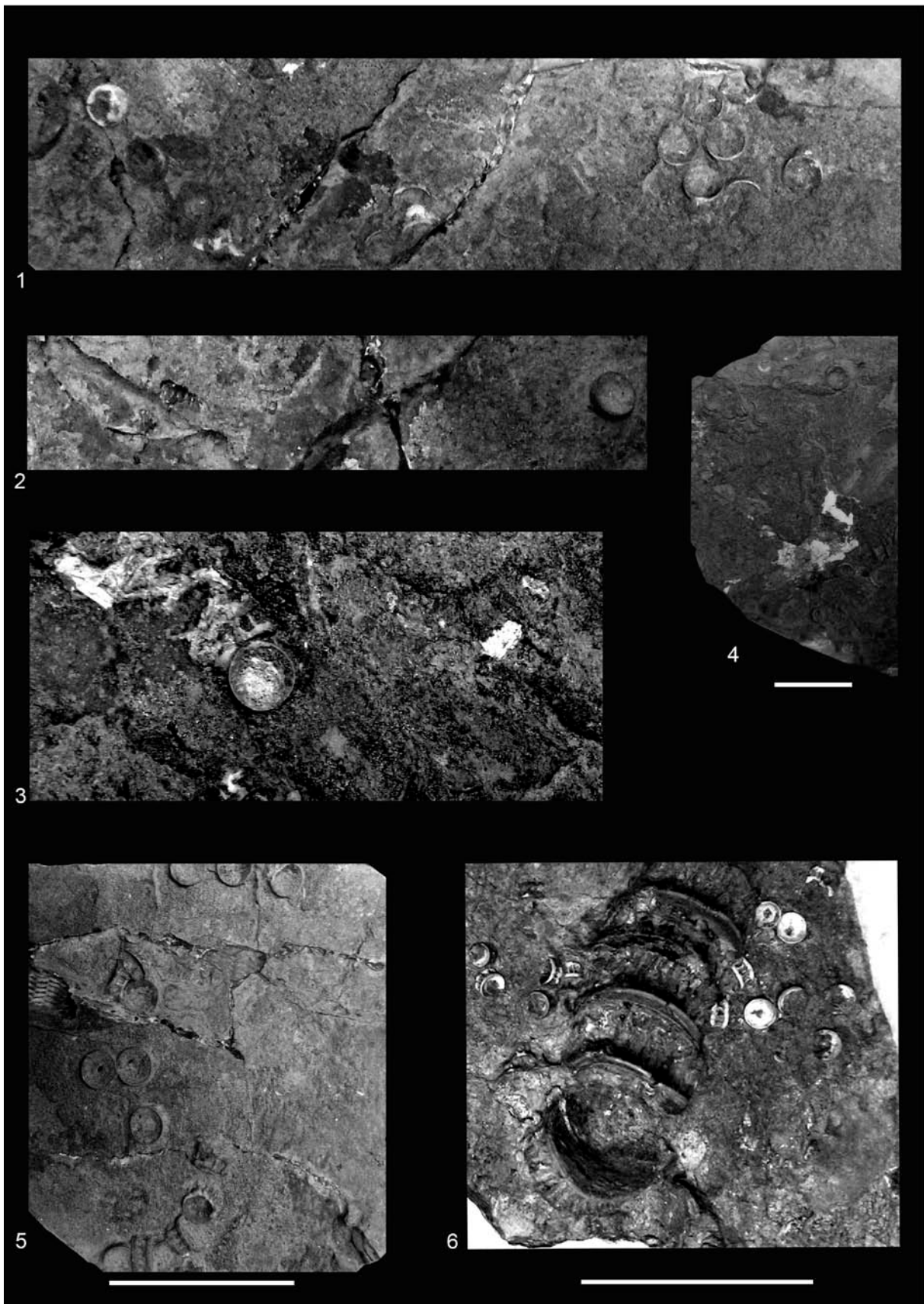


Plate 9. *Carcharias cuspidatus* (Agassiz, 1843). SMNK-PAL 6598.

Embryos. 1. cluster of 13 embryonic vertebrae; 2. cartilage with an embryonic vertebra; 3. cartilage with an embryonic vertebra; 4. cluster of 13 embryonic vertebrae; 5. cluster of 11 embryonic vertebrae; 6. embryonic vertebrae remains near the main vertebral column of the adult specimen. Bar: 20 mm in 1-5; 10 mm in 6.

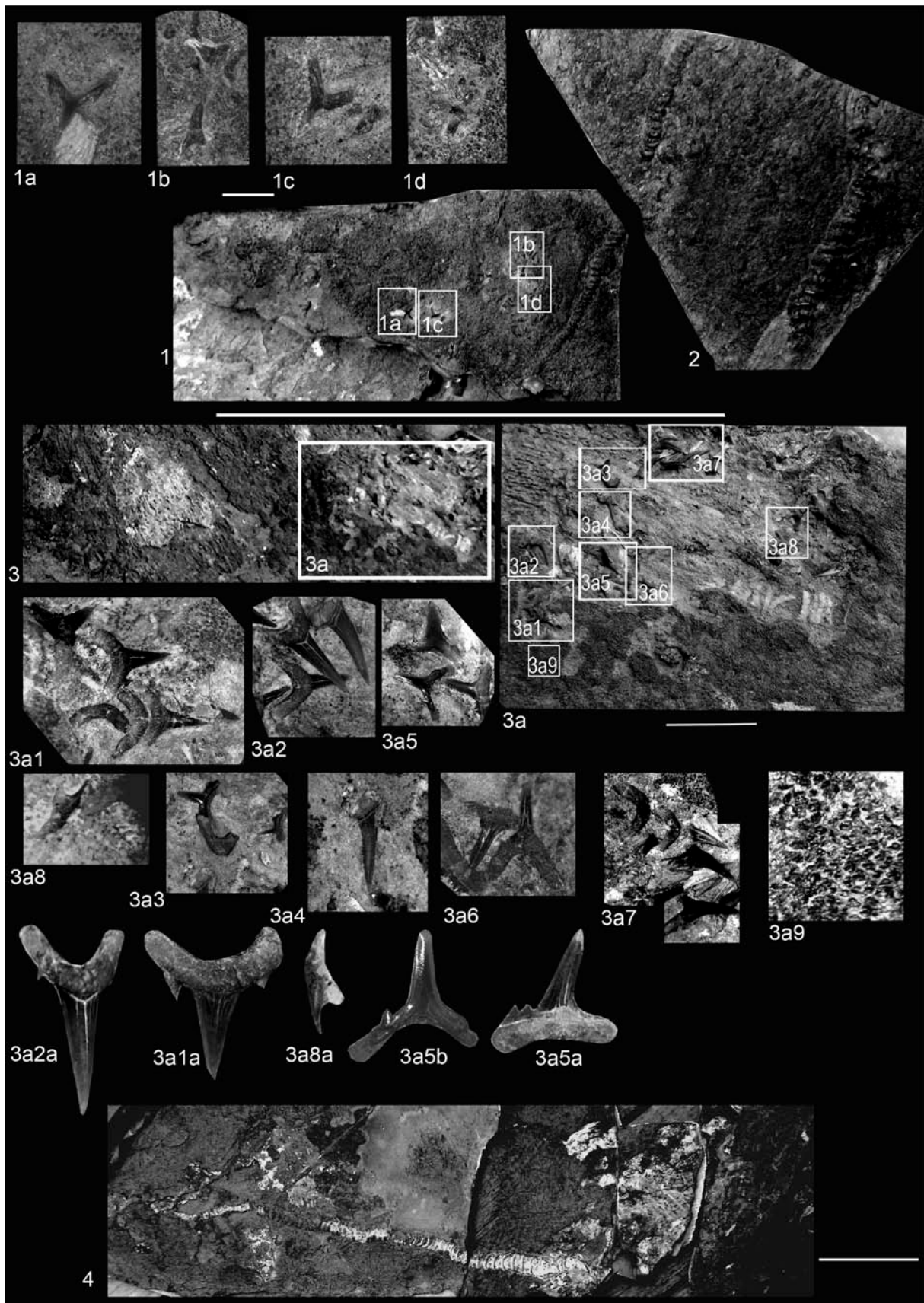


Plate 10. *Carcharias cuspidatus* (Agassiz, 1843). SMNK-PAL 6598.

Embryos. 1. Cartilage remains and twenty seven teeth; a. single upper lateral tooth (labial view), b. two upper lateral teeth (one in labial view, one in lingual view), c. single upper lateral tooth (lingual view), d. skin patch with dermal denticles; 2. two vertebral columns sections; 3. cartilage remains and twenty seven teeth, a. detail with tooth remains and skin patch, a1 detail with four teeth, a1a upper lateral tooth (lingual view), a2. detail with five teeth, a2a upper anterior tooth (lingual view), a3 detail with four teeth, a4 detail with a single tooth, a5. detail with three teeth, a5a. lower lateral tooth (lingual view), a5b. lower lateral tooth (labial view), a6. detail with five teeth, a7. detail with three teeth, a8. detail with a single tooth, a8a. upper lateral tooth (profile view), a9. detail with a skin patch; 4. vertebral column and cranium remains. Bar: 100 mm in 1 & 2; 20 mm in 1a-1d, 3a & 4; 10 mm in 3a1-3a9; 5 mm in 3a1a-3a5b & 3a8a.