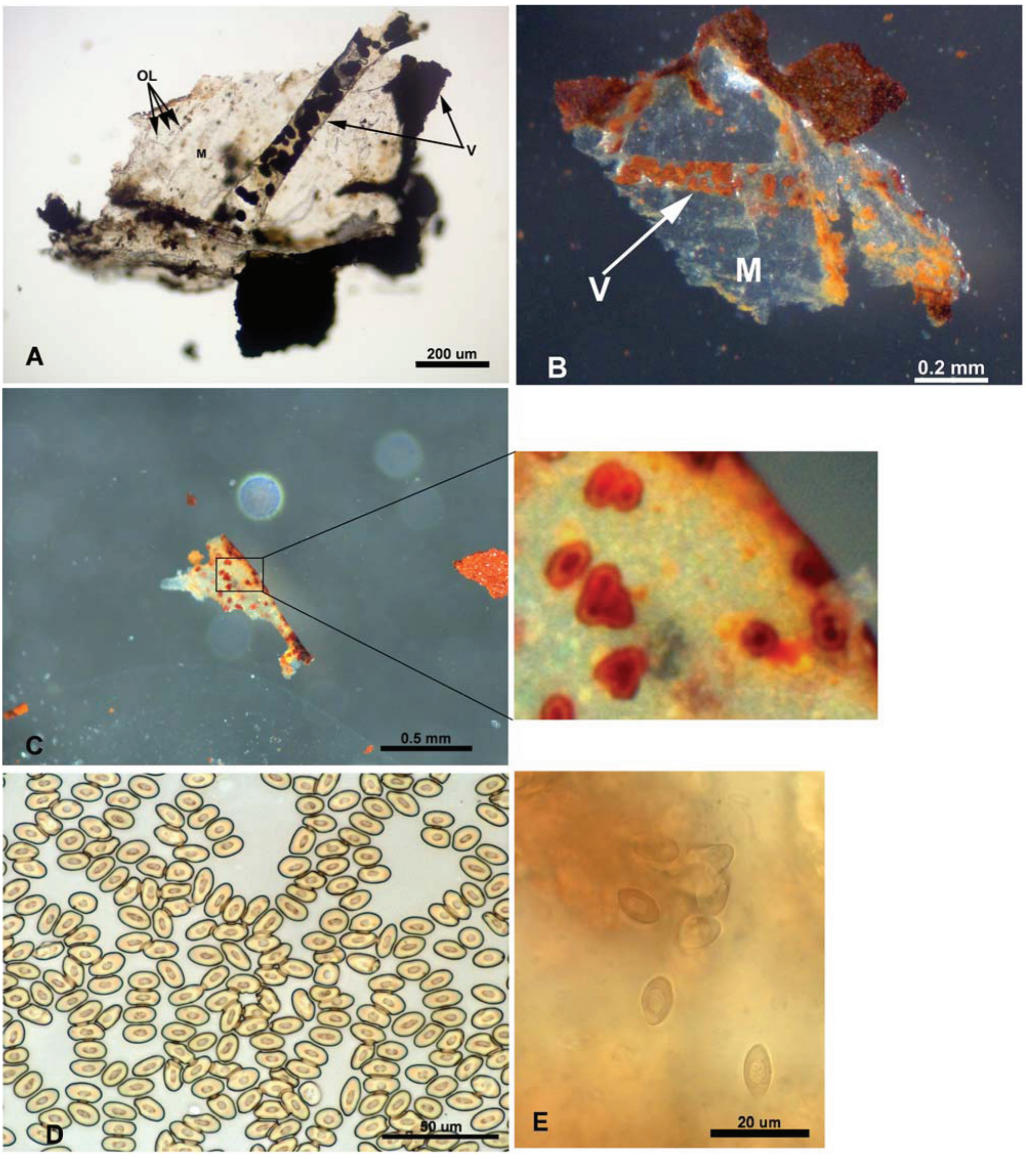

Рис. 2 к статье А.Н. Лунного. Молекулярно-клеточная палеонтология на 2007 год: свидетельства о малом возрасте Земли. Оригинальный фотоматериал по исследованию мягких тканей, клеток и биоструктур в кости тираннозавра FMNH-PR-2081. (From Mary H.Schweitzer et al., SCIENCE 307: 1952–1955 (25 March 2005). Reprinted with permission from AAAS).

Soft tissue preservation of *Tyrannosaurus rex* FMNH-PR-2081. (A) Light micrograph of demineralized cortical bone fragment. Transparent and pliable matrix (M) surrounds two vessel fragments (V, arrows), each demonstrating varied preservation. Osteocyte lacunae (OL, arrows) can be seen within the transparent matrix surrounding the vessels. **(B)** A second fragment of demineralized bone again shows vessel suspended in transparent and flexible matrix (M). An unusual red 'crust' (top right of tissue fragment) was often seen in association with the more flexible tissues in this specimen. **(C)** A third vessel shows small microstructures either within or attached to the vessel wall. The structures are ovoid and possess an inner opaque core. They are completely consistent in size and shape with nucleated circulating blood cells taken from mature ostrich **(D)** and extant chicken **(E)**.

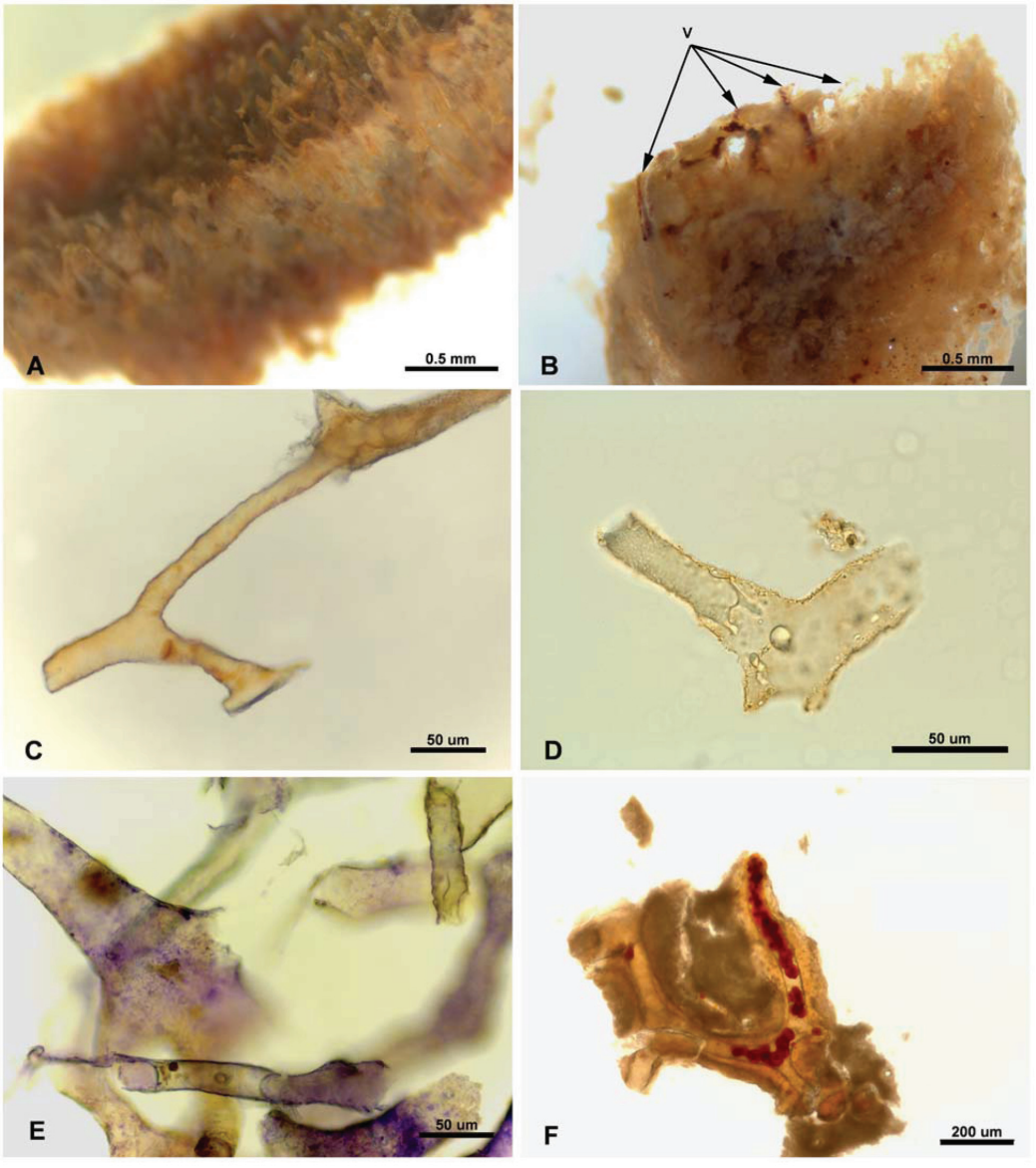

Рис. 3 к статье А.Н. Лунного. Молекулярно-клеточная палеонтология на 2007 год: свидетельства о малом возрасте Земли. Оригинальный фотоматериал по исследованию мягких тканей, клеток и биоструктур в кости тираннозавра MOR-555. (From Mary H.Schweitzer et al., SCIENCE 307: 1952-1955 (25 March 2005). Reprinted with permission from AAAS).

Soft tissue preservation in demineralized fragments of cortical bone from *Tyrannosaurus rex* MOR 555. (A) Vessels emerging as a network from demineralizing bone matrix. **(B)** A second fragment shows vessels and bone matrix during demineralization. In some transparent regions, vessels contain small, round microstructures (arrows). **(C)** Soft, pliable and transparent branching vessel recovered from demineralized bone. **(D)** Second branching vessel, showing meniscus of fluid. **(E)** Some vessels recovered from this specimen take up histochemical stains. This characteristic is not normally seen in dinosaur specimens. **(F)** Vessel and contents surrounded by region of demineralized bone matrix. Microstructures within vessel are shown to be transparent, with a dense opaque central region.