The Ophthalmic Wound of Philip II of Macedonia (360–336 BCE)

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Abstract. The aim of this report is to present the ophthalmic wound of King Philip II of Macedonia, father of Alexander the Great. From a series of ancient literary and historical sources, a number of archaeological finds, and the paleopathological remains in the supposed tomb of Philip in Vergina, it can be deduced that the king was seriously wounded in his right eye during the siege of Methoni. The renowned physician Critobulos undertook the removal of the arrow that had injured the eye and the postoperative follow-up. He was already experienced and belonged to the official medical family of Asclepiades of Cos Island. It seems that an ugly scar remained in the area of Philip’s right eye, possibly causing him psychological problems. (Surv Ophthalmol 49:256–261, 2004. © 2004 Elsevier Inc. All rights reserved.)

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In 360 BCE Philip II, the father of Alexander the Great, succeeded to the throne of Macedonia after his elder brother, Perdicas III, who had reigned for a brief period. During his long reign of 24 years, Philip managed to achieve ambitious plans, overseeing the expansion of Macedonia and its sovereignty over all the Hellenic territory. Prior to his assassination by court intriguers, the greater part of the northern peninsula of Aegean had been absorbed into Macedonian control after 20 years of warfare and intervals of diplomatic negotiations. Most Hellenic states which had not been subdued in these wars allied themselves to Macedonia with peace treaties, and by the death of Philip (336 BCE), the Macedonian army was battle-trained and ready to undertake the struggle against the Persians. It is no exaggeration to say that Alexander would not have been a world ruler and “Great” if it had not been for Philip’s prescient military preparations.2,18

Philip had much in common with his son in character and behavior, as well as merits and defects. The father was an ambitious conqueror, a clear-sighted politician, a general of military genius, quick-tempered, and irritable. He was also accused, like his son, of overindulgence and drunkenness. The orator Demosthenes compared him to a sponge because of this latter tendency. His bravery on the battlefield and disregard of danger were similar to Alexander’s, with the result that the great frequency of his being wounded was comparable to his son’s experiences.2,18,21 Demosthenes5,7 and other historians21,26 maintained that Philip’s body was a mass of wounds, the most significant of which were a fracture of the collar-bone in the battle against the Illyrians, a leg...
wound in the battle with the Triballians, new wounds in his leg and arm in the battle against the Scythians which rendered him lame, and the loss of his right eye in the siege of Methoni.

Philip’s Eye Injury

Many later historians refer to the wound to Philip’s right eye during the siege of Methoni (355–354 BCE) based on the lost works of contemporary historians. Didymus the Chalcederus from Alexandria (1st century BCE), commenting on the work of Demosthenes, gives details of the wound. He writes that the Emperor, while inspecting military devices and mechanisms, was wounded by an arrow fired from a bow. This information was quoted from the lost works of the contemporary historians Theopompus from Chios and Marsys the Macedon. Another version is provided by the contemporary historian Douris from Mytelene who writes that a warrior called Astir (Star in Greek) hurled a javelin at Philip; Didymus does not agree with this version because numerous eyewitnesses insisted that he was wounded by an arrow. A plethora of historical sources follow the version of Didymus, some providing more, others fewer, details about the injury. The ancient geographer Strabo (1st century BCE) stresses the seriousness of the injury. Diodorus of Sicily (1st century BCE) notes that the injury from the arrow was so serious as to destroy vision. Plutarch (1st–2nd century CE), based on the history of the contemporary Callisthenes, writes that Philip was injured during the crossing of the river Sandanus, while going to besiege Methoni and Olynthos, by an arrow that was shot by the Olynthian, Astir. Despite the “fatal nature” of the wound, he was saved, losing only his sight in the injured eye. The same version is supported by the sophist Lucian (2nd century CE), who maintains that the episode took place during the siege of Olynthos.

Plutarch writes that some contemporaries attributed the wound to divine providence because Philip had secretly spied, through a gap in the door, the relations of his wife Olympias with a god who had appeared in the form of a dragon. History refers to the well-known myth that Alexander was son of the god Zeus Ammon and to his illegitimate birth, which later was the main topic of the famous “Romance of Alexander the Great.”

Philip’s Psychological Reaction to the Wound

The historians also give information about Philip’s psychological perception of his eye wound. Some say he must have been proud of his wound because he allowed the court artists to depict him with the ugly scar to the eye, believing it gave him the image of a brave, undefeated warrior. This was in complete contrast with the reaction of an eminent successor of Alexander the Great, King Antigonus I Monophthalmus (the One-eyed), who forbade his court artists (even the celebrated Lyssippus, personal court artist of Alexander the Great) to depict his scar after he had lost an eye in battle. For this reason no portrait of Antigonus survives, except one on the so-called sarcophagus of Alexander the Great, and that in profile from the uninjured side of the face.

Another historical source maintains that once, when Philip was asked who damaged his eye, he replied proudly “The love of Hellas.” The Roman historian Justin (2nd century CE) confirms that Philip accepted his injury without any negative influence on his bravery and ability in war; neither was he vengeful, showing clemency to the besieged when they surrendered. It seems that this leniency did not include the perpetrator himself; Philip knew him because the arrow had engraved on it the epigraph “Astir sends a fatal arrow to Philip.” After his injury, the king shot an arrow at the besieged town with the inscription “Philip will hang Astir when he conquers the town,” and he made good his threat.

Other sources maintain the opposite, namely that he was sensitive and extremely annoyed when reference was made to his disfigurement, and especially when his entourage uttered the word “eye” or when they called him “Cyclops,” which had become his nickname.

The reaction of his retinue was also characteristic. To console Philip and show his sympathy, a flatterer of his court, Cleisophus, even reached the point of wearing a bandage like an eye-patch on his healthy right eye every time he met the king. The historian Satyrsus, who conveys this event, writes that when Philip was injured in the leg and limped, the flatterer proceeded in front of the emperor, also limping!

The Treatment of the Wound

The treatment of Philip’s injury was undertaken by the celebrated physician Critobulos, who later became more famous when he successfully removed an arrow which had pierced the chest of Alexander the Great in the battle against the Mallians in India.

Pliny stresses that the reputation of Critobulos, who belonged to the prominent medical family of Asclepiades of Cos Island and to the Hippocratic School, was so great that when he “removed an arrow from Philip’s eye he could leave no disfigurement.” Although Pliny’s words appear exaggerated so as to emphasize the particular skill of Critobulos, it seems that the latter was indeed skillful in handling a special instrument for removal of arrows, called the “spoon
of Diokles” (Fig. 1), invented by the ancient physician of that name. This instrument assisted in the removal of the arrow without damaging the surrounding tissues. After careful cleaning of the trauma, Critoboulos must have applied various herbal drugs, fortunately having some anti-inflammatory properties, known from Homeric times and described in the Hippocratic book “On Wounds.” Obviously, with this treatment, Philip survived.

**Archaeological Finds**

The best known and most reliable depiction of Philip is that found in the Royal Tomb II at Vergina and identified by Professor M. Andronicos. This is an ivory statuette of the head of Philip (Fig. 2), found together with many others of royal family members, such as one of Alexander the Great, and constituted one of Andronicos’s strongest arguments that this is Philip’s tomb.

The wound of Philip is also depicted in other representations. The Head of Copenhagen (Fig. 3), a realistic marble copy of a prototype from the 4th century CE, made in the age of Trajan, also clearly shows a distinct nick in the upper corner of the right eyebrow and the characteristic raising of the eyebrow corners. A coin (c. 354–350 BCE) found in the Greek town of Capsa, depicting Philip in right profile, presents a scar like a crescent moon between the lower and upper eyelids, near the external canthus, supposed to be a deliberate indication of the injury by the engraver.

![Fig. 1. A sketch of the spoon of Diokles and its use. This was possibly used by Critobulus for the extraction of the arrow. The physician endeavored to insert the point of the arrow into the hole of this instrument and then pull it out without causing further damage to the tissues.](image1)

![Fig. 2. The ivory statuette of Philip found in his supposed Tomb II at Vergina by Prof. Andronicos. The nick in his right eyebrow and the vacant look are apparent. (The seeming defects of the left eye are due to erosion of the ivory.)](image2)
Some archaeologists have maintained that the Head of Philip of the Hellenistic period, preserved in the Field Museum of Chicago, depicts artistically the phthisis of the bulb as a complete vacuum of the right orbit and the wound with traces of injuries to the external canthus. More recent research, however, indicates that the probability is that damaged material in this area gives a false impression.

**Paleopathological Findings**

In the supposed tomb of Philip in Vergina were found remnants of a cremation which Prof. Andronicos and his collaborators identified as the bones of Philip because the burial resembled that of Homeric heroes of the *Iliad*, Achilles and Hector: the bones after cremation being wrapped in a purple piece of material, later placed in a gold larnax (a kind of urn). Alexander, as an admirer of those heroes, would have arranged such a burial for his father. However, Prof. Andronicos’ identification of Philip’s tomb was mainly based on the historically known eye injury to the king’s right eye.

According to the thorough studies carried out by the anatomist Jonathan Musgrave of Bristol University, the Manchester archaeologist John Prag, and medical artist Richard Neave, there is a marked nick in the middle of the supraorbital margin of the right orbit which was due to an injury during the lifetime of Philip, as can be deduced from a small but distinct poroma—like a pimple of the frontal bone—which can be palpated (Fig. 4). The gap on the right supraorbital margin in all likelihood was due to the injury and, on cremation, possibly extended. There are also indications of a more significant fracture with traces of healing. Musgrave and Neave suppose that a small piece of bone from both the right zygomatic bone and the maxilla, where they meet at zygomaticomaxillary suture, in all probability at the same time, suggest that the injury occurred a number of years before the death of the king and accords with the information about his injury, eighteen years before death, at Methoni.

According to the British researchers, the wound was caused by a “heavy Cretan missile” striking from above, and the historical sources describing it as very heavy thus appear reliable if Philip was wearing a helmet similar to the one discovered in the Tomb II of Vergina (Fig. 5). The arrow could have passed through the side of the helmet, but perhaps it glanced off it, being deflected so as to wound less violently. As a result, Philip’s death was avoided but not the loss of his right eye and the ugly scar to the
Fig. 5. Iron Macedonian helmet found in the Tomb at Vergina.

area. The blow caused the rupture to the eyeball, blindness, and the scarring of the area of the right eye due to delayed healing, despite all the efforts of his physician.27–29

The identification of the bones in Tomb II at Vergina as those of King Philip is held to be the most likely because no other Macedonian king fits the combination of circumstances of the burial of a male between 35 and 55 years old in the third quarter of the 4th century BCE, as defined by archaeologists.29

However, more recent paleopathologic reexamination of the bones3 using macrophotography with proper magnification did not provide evidence of wound injuries, leading to the conclusion that the bone lesions are simply normal anatomical features or were due to cremation. This report suggests that the bones belong to Alexander’s half-brother Philip III Arrhidaeus, who had ruled for six years after Alexander’s death and was murdered in 317 BCE, a hypothesis which puzzled some archaeologists immediately after the pronouncement of Andronicos’ theory.23,37

This opinion conflicts with the dating, and the astonishing richness, of the unique artifacts found in the tomb (gold larnax and crown, gold-ivory shield, iron thorax and helmet, etc.) which are not compatible with the unwarlike and mentally retarded Arrhidaeus. Bartsikas4 has maintained that these paraphernalia belong personally to Alexander the Great, being at some time transferred to Macedonia from his tomb in Alexandria. This hypothesis—although fascinating—is considered extreme and unproved by many archaeologists, and by Musgrave, who insists that his examination showed signs of healed wounds. He supports the view that in the period between his and Bartsikas’ examination the condition of the bones may have degraded.19

This controversial clash between anthropologists and archaeologists leaves its solution to be found in the future. Until then, Andronicos’ theory seems to have value and predominance in the arguments.

In conclusion, the fact is that Philip II of Macedonia, a generous king and military leader, was seriously wounded in his right eye during the siege of Methoni. Literary sources confirm this wound and his psychological reactions, and archaeological, and perhaps paleopathological, evidence provides a clear picture of this.

References

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