

“플라즈마 의학” 관련 간행물

최근의 과학의 큰 흐름 중의 하나가 융합학문이라는 것이다. 기존의 고유의 학문영역을 넘어 서로 다른 학문이 어떤 한 지향점에서 만나 상호보완하면서 한 영역에서는 도출할 수 없었던 새로운 영역을 도출해내는 학문을 융합학문이라 할 수 있다. 이러한 융합학문의 하나로 ‘플라즈마 의학(plasma medicine)’를 들 수 있다. 오늘날 전 세계적으로 의생명분야 연구에서는 엄청난 노력이 이루어지고 있으며, 그로 인해 새로운 의료기술이 나날이 개발되고 소개되고 있다. 플라즈마를 이용한 의료기술은 현재 의학적 문제점을 보완하거나 치료기술을 발전시켜, 미래에 많은 질병들을 치료하고 삶의 질을 향상시킬 수 있는 첨단 의료 기술로서 평가되고 있다. 플라즈마에서 발생하는 활성종들은 살균, 상처치유, 암세포 사멸, 혈액응고와 치아미백 등에서 뛰어난 효과가 입증되었다. 직진성을 가지는 다른 광원들에 플라즈마의 회절성, 저온성, 장비 제작의 용이성 등은 세포나 불규칙한 구조의 조직에 손상 없이 적용할 수 있는 큰 장점이 된다. 현재 플라즈마가 갖고 있는 몇몇 단점을 보완하게 된다면, 임상에서 플라즈마는 차세대 의료기술의 중요한 역할을 할 수 있을 것으로 판단된다. 아래는 플라즈마 의학과 관련된 자료들이다.

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