

Trauma

Khirurgiia (Mosk). 1998;(5):40-2.

[Intravascular laser irradiation of blood in treatment of traumatic abdominal organs injuries]

[Article in Russian]

Koshelev VN, Chalyk IuV.

The application of intravascular laser irradiation of the blood (ILIB) in combined postoperative intensive care in 28 patients with traumatic injuries of parenchymal organs and severe intraabdominal bleeding (more than 20% CBV) contributed to substantial improvement of the results of treatment and reduction of complications rate. ILIB boosts functional activity of leucocytes, normalizes the system of hemostasis and antioxidant defence.

[Laser radiation to correct disorders of blood albumin transport in severe mechanical trauma]

[Article in Russian]

Kravchenko-Berezhnaia NR, Moroz VV, Kozhura VL.

The paper provides evidence for that it is expedient to perform multi-stage intravascular low-intensity laser blood radiation in patients with severe mechanical trauma and massive blood loss in the early posttraumatic period. The use of laser radiation at a wavelength of 632.0 nm by inserting a disposable light guide (its end power was 1.5-2.0 mW, and the duration of a session--30 min) as part of complex therapy in this group of patients promotes the increase of plasma albumin transport ability and the general stimulation of natural detoxification mechanisms.