

Turkey's Leading University Hospital Adopts Masimo SpHb



Masimo has announced that [Turgut Ozal Medical Centre Liver Hospital](#) in Malatya, Turkey, has installed Masimo's noninvasive, continuous haemoglobin (SpHb®) technology to monitor surgical patients.

SpHb is a breakthrough measurement that noninvasively and continuously measures total haemoglobin in the blood, and offers real-time visibility to changes – or lack of changes – in haemoglobin between invasive blood sampling. Laboratory haemoglobin values are only available intermittently and are often delayed. Clinicians can estimate blood loss, but this can both overstate and understate actual blood loss.^{1,2}

"In many cases with severe bleeding during liver transplantation, we had to do the blood transfusion on the patient without having the opportunity to send a sample or the time required to obtain the results," said Professor Dr. Hüseyin İlksen Toprak, anaesthesiologist at Turgut Ozal Medical Centre.

SpHb monitoring may provide additional insight between invasive blood sampling when:

- The SpHb trend is stable and the clinician may otherwise think haemoglobin is dropping
- The SpHb trend is rising and the clinician may otherwise think haemoglobin is not rising fast enough
- The SpHb trend is dropping and the clinician may otherwise think haemoglobin is stable

"In the area of liver transplantation, Turgut Ozal Medical Centre is recognised as one of the top five hospitals in the world," stated Joe Kiani, Founder and CEO of Masimo. "Their hospital was designed to be one of the most modern in the country. They had already been using our SET® Measure-Through Motion and Low Perfusion pulse oximetry. We are happy to see them adopt SpHb technology through Masimo's Root® patient monitoring and connectivity platform."

The Turgut Ozal Medical Centre is in the campus of the Inonu University. The hospital has 16 floors, 1024 beds, 31 services, 12 intensive care units and 26 operating rooms. In addition to liver transplants, the medical centre also handles kidney transplants, bone marrow transplants and burn injuries.

In the U.S., Masimo rainbow® SET pulse co-oximeter instruments and sensors are indicated to provide noninvasive monitoring of arterial oxygen saturation (SpO2) and pulse rate (PR), carboxyhaemoglobin saturation (SpCO®), methaemoglobin saturation (SpMet®), total Haemoglobin concentration (g/dl SpHb), and/or respiration rate (RRa®). SpHb monitoring is intended to supplement, not replace, laboratory measurements. Blood samples should be analysed by laboratory instruments when possible prior to clinical decision making.

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1 Eipe N et al. Indian Journal of Anesthesia. 2006; 50(1): 35-38.

2 Ram GG et al. Chin J Traumatol. 2014;17(4):225-8.

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