

# IN A NUTSHELL

The knowledge platform for general practitioners

## MELD Score (2016)

The MELD (Model for End-stage Liver Disease) score was originally developed to estimate survival of patients with chronic liver disease who were electively scheduled to receive a transjugular intrahepatic portosystemic shunt (TIPS) [1]. Meanwhile, the modified MELD score (used here) is used to predict 3-month mortality and prioritize liver transplantation. The MELD score is only suitable for patients  $\geq 12$  years of age.

Bilirubin

µmol/l ?

Creatinine

µmol/l ?

Sodium

mmol/l ?

INR

Dialysis

Dialysis at least twice in the past week or at least 24 hours of continuous veno-venous hemodialysis?

**MELD points**

3-month mortality:

**Interpretation**

MELD Score	$\geq 9$	10-19	20-29	30-39	40
3-month mortality [3]	1.9 %	6.0 %	19.6 %	52.6 %	71.3 %

**References**

1. Kamath PS, Wiesner RH, Malinchoc M et al. A model to predict survival in patients with end-stage liver disease. Hepatology 2001; 33: 464-470
2. Organ Procurement and Transplantation Network. Organ Procurement and Transplantation

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Network Policies. OPTN Policies 2019:

3. Wiesner R, Edwards E, Freeman R et al. Model for end-stage liver disease (MELD) and allocation of donor livers. *Gastroenterology* 2003; 124: 91-96