

Advanced organ support (ADVOS) in the critically ill: first clinical experience in patients with multiple organ failure

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V. Fuhrmann, T. Weber, K. Roedl, J. Motaabbed, A. Tariaparast, D. Jarczак, A. Perez, J. Kluwe, O. Boenisch, H. Herkner, J. Kellum, S. Kluge

Comparison of the albumin dialysis devices Molecular Adsorbent Recirculating System and ADVanced Organ Support in critically ill patients with liver failure - a retrospective analysis

Ther Apher Dial, 2020. Accepted Author Manuscript. doi:10.1111/1744-9987.13533

C. Falkensteiner, A. Kortgen, J. Leonhardt, M. Bauer, C. Sponholz

P254 A non-interventional, multicenter, non-randomized patient registry for multiple organ dialysis with the advos system: 2-year interim analysis in 118 patients

Crit Care, 2020 Mar 24; 24 (Suppl 1): 87

V. Fuhrmann, A. Perez, A. Faltlhauser, B. Tyczynski, D. Jarczак, J. Lutz, J. Weinmann-Menke, W. Huber, A. Kribben, S. Kluge

Options in extracorporeal support of multiple organ failure

Medizinische Klinik - Intensivmedizin und Notfallmedizin (2020)

W. Huber, A. Perez

A case report about ADVanced Organ Support (ADVOS) in hypoxic hepatitis

Journal für Anästhesie und Intensivbehandlung (2020-2)

T. König, S. Böhm, A. Perez, K. Bressemer, C. Spies, S. Weber-Carstens

Ein nicht-interventionelles, multizentrisches, nicht-randomisiertes Patientenregister zur Anwendungsbeobachtung bei Multiorgan-Dialyse mit ADVOS: 2-jährige Zwischenanalyse bei 118 Patienten

DIVI 2019 – Abstractbuch

V. Fuhrmann, A. Perez, A. Faltlhauser, B. Tyczynski, D. Jarczак, J. Lutz, J. Weinmann-Menke, W. Huber, A. Kribben, S. Kluge

Extrakorporale Leberunterstützung mit ADVanced Organ Support (ADVOS) in Patienten mit Akut-auf-chronischem Leberversagen (ACLV) und Hepatorenalem Syndrom - Erste Ergebnisse aus einer Single Center Studie

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L. Kaps, C.J. Ahlbrand, R. Gadban, W.M. Kremer, C. Labenz, M. Nagel, P. Ploch, J.U. Marquardt, P.R. Galle, J.M. Schattenberg J., Weinmann-Menke

ADVOS - Advanced Organ Support - Evaluierung eines neuartigen Extrakorporalverfahrens zum schnellen natriumbilanzneutralen Ausgleich metabolischer Azidosen

DIVI 2019 – Abstractbuch

A. Faltlhauser, D. Codl, F. Kullmann

Respiratory and metabolic acidosis correction with the ADVanced Organ Support system

Intensive Care Medicine Experimental volume 7, Article number: 56 (2019). doi: 10.1186/s40635-019-0269-7

Perez Ruiz de Garibay A, Kellum J. A , Honigschnabel J, Kreyman B

24h-treatment for high-volume ultrafiltration and/or CO₂-elimination with the ADVOS/HepaWash-device (HAEMADVOS IV)

Intensive Care Medicine Experimental 2019 7(Suppl 3):55

Huber W, Busch D, Mayr U, Herner A, Batres-Baires G, Rasch S, Schreiber S, Schmid R, Lahmer T

ADVOS removes CO₂ and corrects acidosis: Mechanism of action following a H⁺ and HCO₃⁻ gradient (physiological approach) or pCO₂ and SID variations (quantitative approach)

Intensive Care Medicine Experimental 2019 7(Suppl 3):55

Perez Ruiz de Garibay A, Kreymann B

Successful therapy of massive risperidone-induced rhabdomyolysis using different dialysis and adsorber devices: A case report

Artif Organs. 2019 May 28. doi: 10.1111/aor.13479

Jarczak D, Kluge S, Fuhrmann V

Feasibility of ultrafiltration in patients treated with the ADVOS/HepaWash-device under haemodynamic monitoring with transpulmonary thermodilution (TPTD) and pulse contour analysis (PCA): The HAEMADVOS-III-study

Crit Care. 2019 Mar 19;23(Suppl 2):72

Huber W, Leinfelder M, Lahmer T, Batres-Baires G, Rasch S, Schreiber S, Schmid R

Haemodynamic effects of disconnection from the „advanced organ support“ (ADVOS): the HAEMADVOS-II-study evaluating the „retransfusion volume challenge option“ (REVOLUTION)

Intensive Care Medicine Experimental 20186 (Suppl 2) :40

Huber W, Leinfelder M, Lahmer T, Herner A, Mayr U, Batres-Baires G, Schreiber S, Häberlein M, Habenicht L, Schmid R

The impact of connection to the extracorporeal circuit on haemodynamics (transpulmonary thermodilution (TPTD) and pulse contour analysis (PCA)) in patients treated with the ADVOS/ HepaWash-device: the HAEMADVOS-I-study

Intensive Care Medicine Experimental 20186 (Suppl 2) :40

Huber W, Leinfelder M, Lahmer T, Herner A, Mayr U, Batres-Baires G, Hartter I, Wiesner J, Schmid R

Erfahrungen mit Advanced organ support (ADVOS) bei Patienten mit Multiorganversagen

DIVI 2018 - Abstractbuch

Fuhrmann V, Weber T, Roedel K, Tariparast A, Jarckzack D, Kluwe J, Boenisch O, Kluge S

ADVOS ahmt die Nierenkompensation des Körpers für die Behandlung der respiratorischen Azidose nach: In-vitro-Demonstration

DIVI 2018 - Abstractbuch

Ruiz de Garibay A, Honigschnabel J, Kreymann B

Das ADVOS-System: Albumin-Dialyse-basierter Ansatz zur signifikanten und kontinuierlichen Entfernung von wasserlöslichen und proteingebundenen Toxinen auch bei geringen Blutflüssen

DIVI 2018 - Abstractbuch

Ruiz de Garibay A, Honigschnabel J, Kreymann B

The ADVOS Device: Albumin Dialysis Based Approach for Significant and Continuous Removal of Water Soluble and Protein Bound Toxins Even at Low Blood Flows

Blood Purif 2018;46:163–186

Perez Ruiz de Garibay A, Honigschnabel J, Kreymann B

ADVOS Reverses Metabolic Acidosis Without Elevating pCO₂: Proof of Concept In Vitro

Blood Purif 2018;46:163–186

Perez Ruiz de Garibay A, Ende-Schneider B, Kreymann B

ADVOS Corrects Respiratory Acidosis Mimicking the Body's Renal Compensation: In Vitro Demonstration

Blood Purif 2018; 46:163–186

Perez Ruiz de Garibay A, Ende-Schneider B, Kreymann B

**ADVOS reduces liver and kidney disease markers and corrects acidosis:
the Hamburg experience**

Critical Care 2018 22(Suppl 1):82

Fuhrmann V, Jarczak D, Boenisch O, Kluge S

**Evaluation of an ADVanced Organ Support (ADVOS) system in a two-hit porcine
model of liver failure plus endotoxemia**

Intensive Care Med Exp. 2017; 5(1):31

Al-Chalabi A, Matevossian E, von Thaden A, Schreiber C, Radermacher P et al.

**First clinical experience in 14 patients treated with ADVOS:
a study on feasibility, safety and efficacy of a new type of albumin dialysis**

BMC Gastroenterol. 2017; 17: 32

Huber W, Henschel B, Schmid R, Al-Chalabi A

**Advanced Organ Support (ADVOS) based on albumin dialysis, a new method
for CO₂ removal and pH stabilization**

Critical Care 2017 21(Suppl 1):57

Perez Ruiz de Garibay A, Ende-Schneider B, Schreiber C, Kreymann B

**Combined removal of 4.5 mol/day of protons and protein bound and water soluble
substances in an ex vivo model for metabolic acidosis using an Advanced Organ
Support (ADVOS) system based on albumin dialysis**

Critical Care 2017 21(Suppl 1):58

Perez Ruiz de Garibay A, Ende-Schneider B, Schreiber C, Kreymann B

**ADVOS kehrt die metabolische Azidose um, ohne pCO₂ zu erhöhen:
Proof of Concept in vitro**

DIVI 2016 - Abstractbuch

A. Ruiz de Garibay, B. Ende-Schneider, B. Kreymann

**Das Advanced Organ Support (ADVOS) Verfahren in der Therapie
des Multiorganversagens**

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Sollinger D, Dörken M, Lutz J

**Erste Erfahrungen mit einem neuen erweiterten Dialyseverfahren
bei kritisch kranken Patienten mit Multiorganversagen**

DIVI 2016 - Abstractbuch

Fuhrmann V, Drolz A, Horvatits T, Roedl K, Horvatits K, Benten D et al.

**Erfolgreiche Therapie einer schwerwiegenden Rhabdomyolyse
nach Einnahme von Risperidon durch den Einsatz verschiedener Dialyse-
und Adsorptionsverfahren (ADVOS, CVVHD, CytoSorb)**

DIVI 2016 - Abstractbuch

Jarczak D, Wehmeyer MH, Roedl K, Tariparast P, Horvatits T, Drolz A et al.

**Erste Erfahrungen mit dem ADVOS Verfahren (Advanced Organ Support)
bei Patienten mit alkoholischer Steatohepatitis (ASH)**

DIVI 2016 - Abstractbuch

Huber W, Henschel B, Lahmer T, Braun M, Mayr U, Schmid R, Al-Chalabi A

**Anwendung eines neuartigen Hämodialyseverfahrens bei einem
septischen Patienten mit hyperkapnischem Lungenversagen**

DIVI 2016 - Abstractbuch

Tariparast P, Roedl K, Horvatits T, Drolz A, Rutter K, Jarczak D, Siedler S et al.

First clinical experience with a new type of albumin dialysis: the Hepa Wash system

Critical Care. 2015; 19 (Suppl 1): P383 (16 March 2015)

Henschel B, Schmid R, Huber W

Leberunterstützungstherapien

Fachpflege Nephrologie und Dialyse. 2014; 5. Auflage: 471-479
Kreymann B, Riedelsdorf G, Schreiber C

Evaluation of the Hepa Wash treatment in pigs with acute liver failure

BMC Gastroenterology. 2013; 13:83 doi: 10.1186/1471-230X-13-83
Al-Chalabi A, Matevossian E, v Thaden AK, Luppä P, Neiss A, Schuster T et al.

Improvement of survival in a swine model of acute liver failure by a new liver support system (Hepa Wash)

Journal of Hepatology. 2010; 52: 319-S320
Al-Chalabi A, Matevossian E, Preissel AK, Yang Z, Schreiber C, Schimmel P et al.

Survival improvement in pigs with liver failure and superimposed sepsis by a new liver support system (Hepa Wash)

Critical Care. 2010; 14: 508
Al-Chalabi A, Matevossian E, Preissel AK, Yan H, Geiger A, Nairz E, Schimmel P et al.

A model of ischemic isolated acute liver failure in pigs: standardizing monitoring and treatment

European Surgical Research. 2010; 45: 86-97
Al-Chalabi A, Matevossian E, Preißel A, Perren A, Yang Z, Schuster T, Schreiber C et al.

Leberunterstützungstherapien 2010: Mehr Fragen als Antworten

Intensivmedizin und Notfallmedizin. 2010; 47: 576-581
Al-Chalabi A, Kreymann B, Huber W

Möglichkeiten und Zukunftsperspektiven der Leberersatztherapie

Intensivmedizin und Notfallmedizin. 2009; 46: 347-354
Al-Chalabi A, Kreymann B, Langgartner J, Brännler T

Citrate pharmacokinetics and calcium levels during high-flux dialysis with regional citrate anticoagulation

Nephrology Dialysis Transplantation. 2009;24(7): 2244-51
Kozik-Jaromin J, Nier V, Heemann U, Kreymann B, Böhler J

Treatment of septic patients with an arginine-based endotoxin adsorber column improves hemodynamics and reduces oxidative stress: results of a feasibility study

Blood Purification. 2008; 26(4): 333-9
Umgelter A, Reindl W, Lutz J, Kreymann B, Ronco C, Huber W, Frank H et al.

Grundlagen der Nieren- und Leberdialyse

In: Wintermantel E, Ha S, Medizintechnik. Springer, Berlin/Heidelberg; 2007: 1191-125
Schreiber C, Al-Chalabi A, Tanase O, Kreymann B

Haemodialysis for the prevention of contrast-induced nephropathy: outcome of 31 patients with severely impaired renal function, comparison with patients at similar risk and review

Investigative Radiology. 2002; 37(9): 471-81
Huber W, Jeschke B, Kreymann B, Hennig M, Page M, Salmhofer H, Eckel F et al.

Albumin dialysis: effective removal of copper in a patient with fulminant Wilson disease and successful bridging to liver transplantation: a new possibility for the elimination of protein-bound toxins

Journal of Hepatology. 1999; 31(6): 1080-5
Kreymann B, Seige M, Schweigart U, Kopp KF, Classen M

Long-term treatment of patients with acute exacerbation of chronic liver failure by albumin dialysis

Transplantation Proceedings. 1999; 31(1-2): 1371-5
Seige M, Kreymann B, Jeschke B, Schweigart U, Kopp KF, Classen M

