# Evaluation of Dynamic Arterial Elastance Efficacy and Safety during Vasopressor Support Weaning in Septic Shock Patients: A Randomized Controlled Trial Protocol: Case report form

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1. **Identification of the patient in the study**

2. **Group assigned by randomization**

*Mark only one oval.*

- ◯ EaDyn (intervention)
- ◯ MAP (control)

3. **Inclusion criteria (check all those applying)**

*Check all that apply.*

- ☐ Patient over 18 years old
- ☐ Septic shock patients defined according to the third international consensus of sepsis as patients who clinically present vasopressor support requirement to maintain a MAP ≥ 65 mmHg or a lactate level ≥ 2 mmol/L in the absence of hypovolemia
- ☐ SOFA score of ≥ 4 points
- ☐ Patients requiring vasopressor support for a period of 4 hours or more

4. **Exclusion criteria (check all applicable)**

*Check all that apply.*

- [ ] Pregnant women
- [ ] Hemodynamically unstable cardiac arrhythmias
- [ ] Treatment with another vasopressor other than noradrenaline or ionotropic support requirement
- [ ] Patients with right heart failure
- [ ] Patients diagnosed with cirrhosis of the liver
- [ ] Patients who have received renal and/or hepatic transplantation
- [ ] Patients with a high probability of mortality in 24 hours defined according to medical criteria

5. **Age (years)**

_____

6. **Weight (Kg)**

_____

7. **Diagnosis according to ICD-10**

_____

_____

_____

_____

_____

8. **Intensive inpatient care unit**

*Mark only one oval.*

- ◯ Surgical unit
- ◯ Neurological unit
- ◯ Sepsis / respiratory unit
- ◯ Cardiovascular
- ◯ Burn unit

9. **SOFA score at start of vasopressor support**

_____

10. **Dose of noradrenaline at study inclusion (mcg/kg/min)**

_____

11. **Total, noradrenaline infusion duration (hours)**

_____

12. **Total, of noradrenaline administered (mg)**

_____

13. **Total, of liquids administered (mL/kg/h)**

_____

14. **Hypotension during weaning (MAP < 50 mmHg)**

*Mark only one oval.*

- ◯ Yes
- ◯ No

15. **Death**

*Mark only one oval.*

- ◯ Yes
- ◯ No

16. **Stay in ICU (time when the patient is without vasopressor and ventilatory support, days)**

_____

17. **Stay in hospital (time at which doctor gives the order in the medical history of discharge, days)**

_____

***Variables to be taken daily***

*DAY 1*

18. **Duration of NE (h)**

_____

19. **Dose of NE (mg)**

_____

20. **Administered liquids (mL)**

21. **Diuresis (mL)**

22. **Balance of liquids (mL)**

23. **Blood products**

***Variables to be taken daily***

*DAY 2*

24. **Duration of NE (h)**

25. **Dose of NE (mg)**

26. **Administered liquids (mL)**

27. **Diuresis (mL)**

28. **Balance of liquids (mL)**

29. **Blood products**

***Variables to be taken daily***

*DAY 3*

30. **Duration of NE (h)**

31. **Dose of NE (mg)**

32. **Administered liquids (mL)**

33. **Diuresis (mL)**

34. **Balance of liquids (mL)**

35. **Blood products**

***Variables to be taken daily***

*DAY 4*

36. **Duration of NE (h)**

37. **Dose of NE (mg)**

38. **Administered liquids (mL)**

39. **Diuresis (mL)**

40. **Balance of liquids (mL)**

41. **Blood products**

***Variables to be taken daily***

*DAY 5*

42. **Duration of NE (h)**

43. **Dose of NE (mg)**

44. **Administered liquids (mL)**

45. **Diuresis (mL)**

46. **Balance of liquids (mL)**

47. **Blood products**

***Variables to be taken daily***

*DAY 6*

48. **Duration of NE (h)**

49. **Dose of NE (mg)**

50. **Administered liquids (mL)**

51. **Diuresis (mL)**

52. **Balance of liquids (mL)**

53. **Blood products**

***Variables to be taken daily***

*DAY 7*

54. **Duration of NE (h)**

55. **Dose of NE (mg)**

56. **Administered liquids (mL)**

57. **Diuresis (mL)**

58. **Balance of liquids (mL)**

59. **Blood products**

***Variables to be taken daily***

*DAY 8*

60. **Duration of NE (h)**

61. **Dose of NE (mg)**

62. **Administered liquids (mL)**

63. **Diuresis (mL)**

64. **Balance of liquids (mL)**

65. **Blood products**

***Variables to be taken daily***

*DAY 9*

66. **Duration of NE (h)**

67. **Dose of NE (mg)**

68. **Administered liquids (mL)**

69. **Diuresis (mL)**

70. **Balance of liquids (mL)**

71. **Blood products**

***Variables to be taken daily***

*DAY 10*

72. **Duration of NE (h)**

73. **Dose of NE (mg)**

74. **Administered liquids (mL)**

75. **Diuresis (mL)**

76. **Balance of liquids (mL)**

77. **Blood products**

*Mark only one oval.*

- Yes
- No

***Variables that change in the three points of measurment***

*At the beginning of administration of Noradrenaline*

78. **SOFA score**

79. **Heart rate**

80. **MAP**

81. **Central venous pressure**

82. **Cardiac index (CI)**

83. **Saline solution administered (mL)**

84. **Albumin (mL)**

85. **Blood products**

*Mark only one oval.*

- Yes
- No

86. **Albumin (mL)**

87. **Dose of noradrenaline (mg)**

88. **Lactate (mmol/L)**

89. **Venous saturation**

90. **Diuresis (mL)**

***Variables that change in the three points of measurment***

*At the beginning of the weaning of vasopressor support*

91. **SOFA score**

92. **Heart rate**

93. **MAP**

94. **Central venous pressure**

95. **Cardiac index (CI)**

96. **Saline solution administered (mL)**

97. **Albumin (mL)**

98. **Blood products**

*Mark only one oval.*

- Yes
- No

99. **Albumin (mL)**

100. **Dose of noradrenaline (mg)**

101. **Lactate (mmol/L)**

102. **Venous saturation**

103. **Diuresis (mL)**

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***Variables that change in the three points of measurment***

*At the end of weaning vasopressor support*

104. **SOFA score**

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105. **Heart rate**

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106. **MAP**

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107. **Central venous pressure**

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108. **Cardiac index (CI)**

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109. **Saline solution administered (mL)**

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110. **Albumin (mL)**

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111. **Blood products**

*Mark only one oval.*

- Yes
- No

112. **Albumin (mL)**

113. **Dose of noradrenaline (mg)**

114. **Lactate (mmol/L)**

115. **Venous saturation**

116. **Diuresis (mL)**

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