

STRESS-L: STudy into the REversal of Septic Shock with Landiolol (Beta Blockade)



Conversion table for continuous intravenous infusion: micrograms/kg/min to ml/h (Landiolol Hydrochloride 300 mg/50 ml = 6 mg/ml strength):

Body weight (kg)	1	2	3	4	5	6	7	8	9	10	
	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	
40	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0	ml/h
45	0.5	0.9	1.4	1.8	2.3	2.7	3.2	3.6	4.1	4.5	ml/h
50	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	ml/h
55	0.6	1.1	1.7	2.2	2.8	3.3	3.9	4.4	5.0	5.5	ml/h
60	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	6.0	ml/h
65	0.7	1.3	2.0	2.6	3.3	3.9	4.6	5.2	5.9	6.5	ml/h
70	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.3	7.0	ml/h
75	0.8	1.5	2.3	3.0	3.8	4.5	5.3	6.0	6.8	7.5	ml/h
80	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.4	7.2	8.0	ml/h
85	0.9	1.7	2.6	3.4	4.3	5.1	6.0	6.8	7.7	8.5	ml/h
90	0.9	1.8	2.7	3.6	4.5	5.4	6.3	7.2	8.1	9.0	ml/h
95	1.0	1.9	2.9	3.8	4.8	5.7	6.7	7.6	8.6	9.5	ml/h
100	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	ml/h

The maximum recommended daily dosage of Landiolol for this patient population is **40 mcg/kg/min** as per STRESS-L Protocol. Please always note the drug unit of measurement given to the patient when administering Landiolol.

EudraCT Number: 2017-001785-14

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Conversion table for continuous intravenous infusion: micrograms/kg/min to ml/h (Landiolol Hydrochloride 300 mg/50 ml = 6 mg/ml strength):

Body weight (kg)	11	12	13	14	15	16	17	18	19	20	
	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	
40	4.4	4.8	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.0	ml/h
45	5.0	5.4	5.9	6.3	6.8	7.2	7.7	8.1	8.6	9.0	ml/h
50	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	ml/h
55	6.1	6.6	7.2	7.7	8.3	8.8	9.4	9.9	10.5	11.0	ml/h
60	6.6	7.2	7.8	8.4	9.0	9.6	10.2	10.8	11.4	12.0	ml/h
65	7.2	7.8	8.5	9.1	9.8	10.4	11.1	11.7	12.4	13.0	ml/h
70	7.7	8.4	9.1	9.8	10.5	11.2	11.9	12.6	13.3	14.0	ml/h
75	8.3	9.0	9.8	10.5	11.3	12.0	12.8	13.5	14.3	15.0	ml/h
80	8.8	9.6	10.4	11.2	12.0	12.8	13.6	14.4	15.2	16.0	ml/h
85	9.4	10.2	11.1	11.9	12.8	13.6	14.5	15.3	16.2	17.0	ml/h
90	9.9	10.8	11.7	12.6	13.5	14.4	15.3	16.2	17.1	18.0	ml/h
95	10.5	11.4	12.4	13.3	14.3	15.2	16.2	17.1	18.1	19.0	ml/h
100	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	ml/h

The maximum recommended daily dosage of Landiolol for this patient population is **40 mcg/kg/min** in a 24 hour infusion as per STRESS-L Protocol. Please always note the drug unit of measurement given to the patient when administering Landiolol.

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Conversion table for continuous intravenous infusion: micrograms/kg/min to ml/h (Landiolol Hydrochloride 300 mg/50 ml = 6 mg/ml strength):

Body weight (kg)	21	22	23	24	25	26	27	28	29	30	
	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	
40	8.4	8.8	9.2	9.6	10.0	10.4	10.8	11.2	11.6	12.0	ml/h
45	9.5	9.9	10.4	10.8	11.3	11.7	12.2	12.6	13.1	13.5	ml/h
50	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	ml/h
55	11.6	12.1	12.7	13.2	13.8	14.3	14.9	15.4	16.0	16.5	ml/h
60	12.6	13.2	13.8	14.4	15.0	15.6	16.2	16.8	17.4	18.0	ml/h
65	13.7	14.3	15.0	15.6	16.3	16.9	17.6	18.2	18.9	19.5	ml/h
70	14.7	15.4	16.1	16.8	17.5	18.2	18.9	19.6	20.3	21.0	ml/h
75	15.8	16.5	17.3	18.0	18.8	19.5	20.3	21.0	21.8	22.5	ml/h
80	16.8	17.6	18.4	19.2	20.0	20.8	21.6	22.4	23.2	24.0	ml/h
85	17.9	18.7	19.6	20.4	21.3	22.1	23.0	23.8	24.7	25.5	ml/h
90	18.9	19.8	20.7	21.6	22.5	23.4	24.3	25.2	26.1	27.0	ml/h
95	20.0	20.9	21.9	22.8	23.8	24.7	25.7	26.6	27.6	28.5	ml/h
100	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	30.0	ml/h

The maximum recommended daily dosage of Landiolol for this patient population is **40 mcg/kg/min** in a 24 hour infusion as per STRESS-L Protocol. Please always note the drug unit of measurement given to the patient when administering Landiolol.

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Conversion table for continuous intravenous infusion: micrograms/kg/min to ml/h (Landiolol Hydrochloride 300 mg/50 ml = 6 mg/ml strength):

Body weight (kg)	31	32	33	34	35	36	37	38	39	40	
	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	mcg/kg/min	
40	12.4	12.8	13.2	13.6	14.0	14.4	14.8	15.2	15.6	16.0	ml/h
45	14.0	14.4	14.9	15.3	15.8	16.2	16.7	17.1	17.6	18.0	ml/h
50	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	ml/h
55	17.1	17.6	18.2	18.7	19.3	19.8	20.4	20.9	21.5	22.0	ml/h
60	18.6	19.2	19.8	20.4	21.0	21.6	22.2	22.8	23.4	24.0	ml/h
65	20.2	20.8	21.5	22.1	22.8	23.4	24.1	24.7	25.4	26.0	ml/h
70	21.7	22.4	23.1	23.8	24.5	25.2	25.9	26.6	27.3	28.0	ml/h
75	23.3	24.0	24.8	25.5	26.3	27.0	27.8	28.5	29.3	30.0	ml/h
80	24.8	25.6	26.4	27.2	28.0	28.8	29.6	30.4	31.2	32.0	ml/h
85	26.4	27.2	28.1	28.9	29.8	30.6	31.5	32.3	33.2	34.0	ml/h
90	27.9	28.8	29.7	30.6	31.5	32.4	33.3	34.2	35.1	36.0	ml/h
95	29.5	30.4	31.4	32.3	33.3	34.2	35.2	36.1	37.1	38.0	ml/h
100	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0	40.0	ml/h

The maximum recommended daily dosage of Landiolol for this patient population is **40 mcg/kg/min** in a 24 hour infusion as per STRESS-L Protocol. Please always note the drug unit of measurement given to the patient when administering Landiolol.

Landioliol Infusion Flowchart

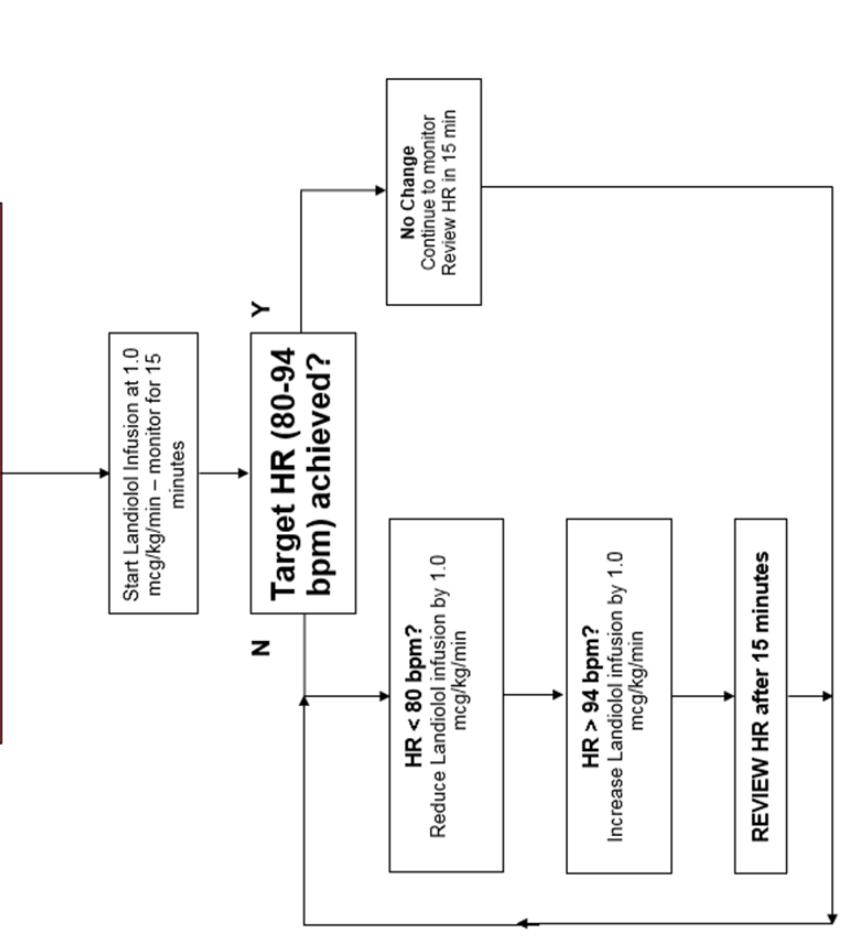
For Patients Randomised to Receive Study Drug only

Bradycardia Definition

- SEVERE BRADYCARDIA: HR <45
- BRADYCARDIA: HR <60

Please contact the study team if a Bradycardia is associated with hypotension

Landioliol should be used solely for Heart Rate control.
Changes in Blood Pressure should be managed according to the Blood Pressure Protocol



DO NOT TITRATE LANDIOLIOL WHEN PERFORMING STIMULATING PROCEDURES SUCH AS ROLLING OR ENDOTRACHEAL SUCTIONING
If there are any doubts, please contact your local research team

Landiolol and Noradrenaline interaction flowchart

For Patients Randomised to Receive Study Drug Only

Landiolol should be used solely for Heart Rate control. Changes in Blood Pressure should be managed according to the Blood Pressure Protocol.

