Calf suffering from neonatal diarrhea
n = 116 (121)#

Calf standing securely, no enophthalmos
n = 30

Calf drinks 1 liter ORS completely?

Yes
n = 20

No
n = 10

Calf standing securely, enophthalmos:
250 mmol NaHCO₃*

Calf standing insecurely:
500 mmol NaHCO₃*

Calf standing insecurely:
500 mmol NaHCO₃*

Calf recumbent/unable to stand:
750 mmol NaHCO₃*

Calf recumbent/unable to stand:
750 mmol NaHCO₃*

Enophthalmos and/or need for dextrose?

No
n = 9

Yes
n = 29

Yes
n = 10

Yes
n = 1

1 liter 4.2% NaHCO₃

1 liter 2.1% NaHCO₃

1 liter 4.2% NaHCO₃

1.5 liter 4.2% NaHCO₃

5 liters 0.9% NaCl + 0.25 litres 8.4% NaHCO₃ + supplementation of dextrose if necessary

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Oral rehydration solution (SID 61 mEq/l)

* represents the intended amount of sodium bicarbonate [9]

# 5 calves were treated alternatively for reasons of expected treatment failure