125 infants admitted at GA ≤ 30 weeks

74 infants randomized

37 high-dose caffeine

9 infants excluded
7 died
2 withdrew

28 infants underwent term equivalent age MRI and neurobehavioral testing

4 infants excluded
2 unable to contact
2 noncompliant

24 infants underwent 2 year developmental assessment

2 infants reengaged
1 unable to contact
1 noncompliant

21 infants underwent 5 year developmental assessment

37 standard-dose caffeine

7 infants excluded
5 died
1 transferred
1 parent refused MRI

30 infants underwent term equivalent age MRI and 31 neurobehavioral testing

8 infants excluded
4 unable to contact
2 noncompliant
2 withdrew

23 infants underwent 2 year developmental assessment

2 infants reengaged
1 unable to contact
1 noncompliant

25 infants underwent 5 year developmental assessment

51 not randomized
25 met exclusion criteria
13 not approached
13 declined participation

25 met exclusion criteria
13 not approached
13 declined participation

2 infants reengaged
1 unable to contact
1 noncompliant

9 infants excluded
7 died
2 withdrew

28 infants underwent term equivalent age MRI and neurobehavioral testing

4 infants excluded
2 unable to contact
2 noncompliant

24 infants underwent 2 year developmental assessment

2 infants reengaged
1 unable to contact
1 noncompliant

21 infants underwent 5 year developmental assessment

5 died
1 transferred
1 parent refused MRI

8 infants excluded
4 unable to contact
2 noncompliant
2 withdrew

23 infants underwent 2 year developmental assessment

2 infants reengaged
1 unable to contact
1 noncompliant

25 infants underwent 5 year developmental assessment

4 infants excluded
2 unable to contact
2 noncompliant

9 infants excluded
7 died
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28 infants underwent term equivalent age MRI and neurobehavioral testing

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5 died
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8 infants excluded
4 unable to contact
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23 infants underwent 2 year developmental assessment

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25 infants underwent 5 year developmental assessment