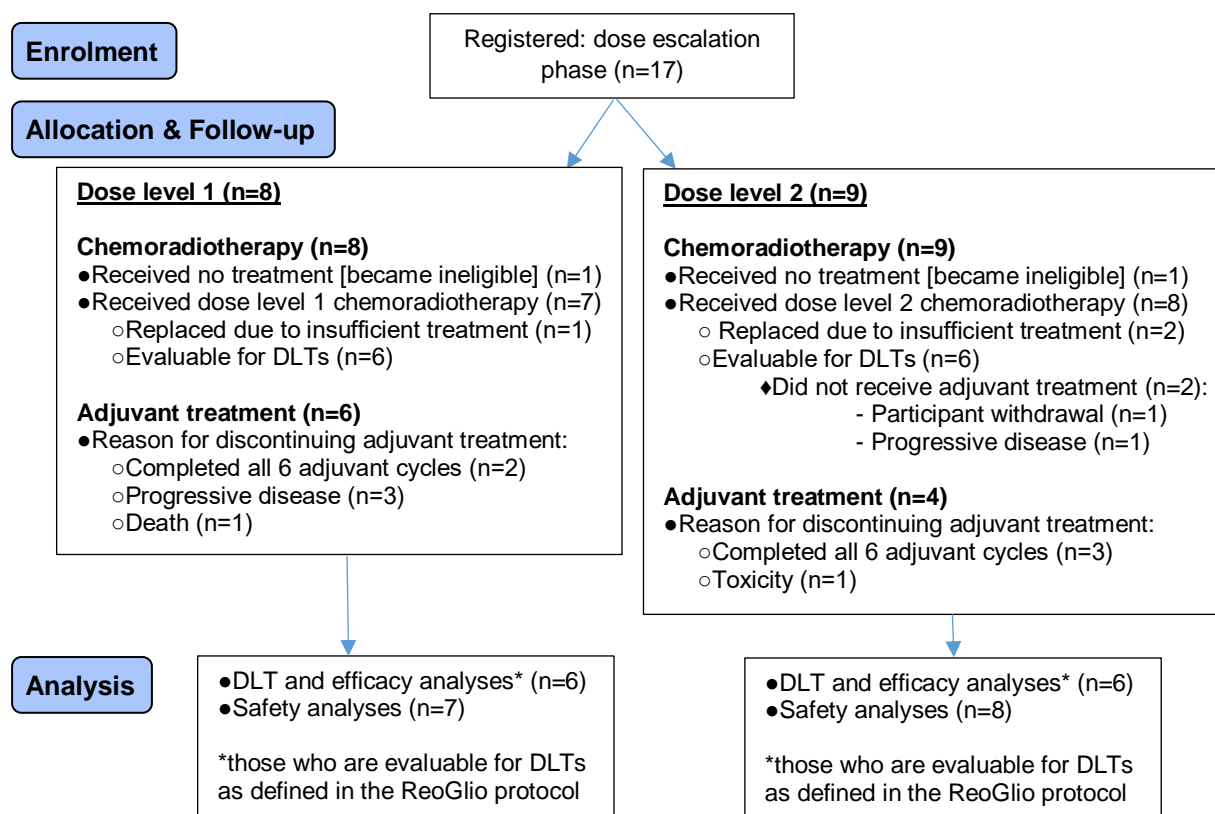


## ISRCTN basic results report – ReoGlio ISRCTN70044565

ReoGlio closed to recruitment after the dose escalation phase and results are reported below.

### Participant flow



### Baseline Characteristics of safety population

	Dose level 1 (n=7)	Dose level 2 (n=8)	Total (n=15)
<b>Participant sex</b>			
Male	5 (71.4%)	4 (50.0%)	9 (60.0%)
Female	2 (28.6%)	4 (50.0%)	6 (40.0%)
<b>Age (years)</b>			
Mean (s.d.)	43.9 (12.2)	52.9 (12.6)	48.7 (12.9)
Median (range)	47 (27, 60)	57 (24, 66)	53 (24, 66)
<b>ECOG performance status</b>			
0	5 (71.4%)	5 (62.5%)	10 (66.7%)
1	2 (28.6%)	3 (37.5%)	5 (33.3%)

	Dose level 1 (n=7)	Dose level 2 (n=8)	Total (n=15)
<b>Concurrent or previous malignancies at other sites</b>			
No	7 (100.0%)	8 (100.0%)	15 (100.0%)
<b>Number of non-measurable lesions</b>			
0	5 (71.4%)	4 (50.0%)	9 (60.0%)
1	2 (28.6%)	3 (37.5%)	5 (33.3%)
2	0 (0.0%)	1 (12.5%)	1 (6.7%)
<b>Number of measurable lesions</b>			
0	2 (28.6%)	3 (37.5%)	5 (33.3%)
1	4 (57.1%)	3 (37.5%)	7 (46.7%)
2	1 (14.3%)	2 (25.0%)	3 (20.0%)
<b>ECG result (msec)</b>			
Normal	3 (42.9%)	5 (62.5%)	8 (53.3%)
Abnormal	0 (0.0%)	1 (12.5%)	1 (6.7%)
N/A (Not clinically indicated)	4 (57.1%)	2 (25.0%)	6 (40.0%)

### Outcome Measures

Primary outcome=dose limiting toxicities (DLTs) assessed between day 1 of chemoradiotherapy treatment and up to (but not including) day 1 of planned adjuvant chemotherapy.

Dose level	DLT Type	Description	Treatment received
Dose level 2	Non-haematological toxicity	Hypotension (grade 3)	Received 1 cycle of chemoradiotherapy

Secondary outcome=progression free survival (PFS) calculated from the date of registration to first documented evidence of disease progression or death whichever is sooner. Analysis population, n=12

	Dose level 1 (n=6)	Dose level 2 (n=6)	Total (n=12)
Progression event	5 (83.3%)	5 (83.3%)	10 (83.3%)
No event	1 (16.7%)	1 (16.7%)	2 (16.7%)
Median PFS estimate in months (95% confidence intervals)	6.1 (4.9-9.2)	9.4 (4.2-10.6)	7.8 (4.9-9.7)

Secondary outcome=for participants with measurable disease, response assessed using RANO criteria and defined as the proportion of participants achieving each response category at the time of each follow-up MRI (every 84 days). . Analysis population, n=12

<b>Maximum response</b>	<b>Dose level 1 (n=6)</b>	<b>Dose level 2 (n=6)</b>	<b>Total (n=12)</b>
Complete Response	0 (0.0%)	0 (0.0%)	0 (0.0%)
Partial Response	0 (0.0%)	3 (50.0%)	3 (25.0%)
Stable Disease	3 (50.0%)	1 (16.7%)	4 (33.3%)
Progressive Disease	2 (33.3%)	2 (33.3%)	4 (33.3%)
Missing	1 (16.7%)	0 (0.0%)	1 (8.3%)

Secondary outcome=overall survival (OS) calculated from the date of registration to death. . Analysis population, n=12

	<b>Dose level 1 (n=6)</b>	<b>Dose level 2 (n=6)</b>	<b>Total (n=12)</b>
Died	5 (83.3%)	2 (33.3%)	7 (58.3%)
Alive at analysis	1 (16.7%)	4 (66.7%)	5 (41.7%)
Median OS estimate in months (95% confidence intervals)	12.6 (8.7-14.4)	12.1 (10.2-12.1)	12.1 (10.2-14.4)

Secondary outcome=treatment compliance (dose reductions, delays, omissions and withdrawals). Safety population, n=15

*Treatment compliance – during chemoradiotherapy treatment*

<b>During chemoradiotherapy treatment has the participant...</b>	<b>Dose level 1 (n=7)</b>	<b>Dose level 2 (n=8)</b>	<b>Total (n=15)</b>
<b>Had a treatment delay?</b>			
Yes	1 (14.3%)	1 (12.5%)	2 (13.3%)
No	6 (85.7%)	7 (87.5%)	13 (86.7%)
<b>Omitted radiotherapy?</b>			
Yes	1 (14.3%)	0 (0%)	1 (6.7%)
No	6 (85.7%)	8 (100%)	14 (93.3%)
<b>Omitted a dose of temozolomide?</b>			
Yes	6 (85.7%)	3 (37.5%)	9 (60.0%)
No	1 (14.3%)	5 (62.5%)	6 (40.0%)
<b>Omitted a dose of GM-CSF?</b>			
Yes	2 (28.6%)	0 (0.0%)	2 (13.3%)

During chemoradiotherapy treatment has the participant...	Dose level 1 (n=7)	Dose level 2 (n=8)	Total (n=15)
No	5 (71.4%)	8 (100.0%)	13 (86.7%)
<b>Omitted a dose of Reolysin?</b>			
Yes	2 (28.6%)	2 (25.0%)	4 (26.7%)
No	5 (71.4%)	6 (75.0%)	11 (73.3%)

*Treatment compliance – during adjuvant treatment (n=10)*

During adjuvant treatment has the participant...	Dose level 1 (n=6)	Dose level 2 (n=4)	Total (n=10)
<b>Had a cycle delay?</b>			
Yes	3 (50.0%)	2 (50.0%)	5 (50.0%)
No	3 (50.0%)	2 (50.0%)	5 (50.0%)
<b>Omitted a dose of temozolomide?</b>			
Yes	0 (0.0%)	1 (25.0%)	1 (10.0%)
No	6 (100.0%)	3 (75.0%)	9 (90.0%)
<b>Omitted a dose of GM-CSF?</b>			
Yes	1 (16.7%)	1 (25.0%)	2 (20.0%)
No	5 (83.3%)	3 (75.0%)	8 (80.0%)
<b>Omitted a dose of Reolysin?</b>			
Yes	2 (33.3%)	1 (25.0%)	3 (30.0%)
No	4 (66.7%)	3 (75.0%)	7 (70.0%)
<b>Had a dose of temozolomide modified?</b>			
Yes	1 (16.7%)	0 (0.0%)	1 (10.0%)
No	5 (83.3%)	4 (100.0%)	9 (90.0%)

**Adverse Events** Safety population, n=15*Serious adverse events (SAEs) – summary statistics*

	Dose level 1	Dose level 2	Total
<b>Number of patients with one or more SAE</b>	6	4	10
<b>Number of suspected unexpected serious adverse reactions (SUSARs)</b>	0	2	2
<b>Number of SAEs reported (including SUSARs)</b>	12	8	20
<b>Number of SAEs per patient</b>			
Mean (Standard Deviation)	2.0 (0.89)	2.0 (0.82)	2.0 (0.82)
Median (Interquartile Range)	2.0 (1, 3)	2.0 (2, 3)	2.0 (1, 3)
Range	(1, 3)	(1, 3)	(1, 3)

*Serious adverse events – number of events by MedDRA code (not mutually exclusive)*

MedDRA System Organ Class	Dose level 1 N (%)	Dose level 2 N (%)	Total N (%)
Blood and lymphatic system disorders	1 (6.3)	0 (0.0)	1 (4.2)
Musculoskeletal and connective tissue disorders	1 (6.3)	1 (12.5)	2 (8.3)
Neoplasms benign, malignant and unspecified (including cysts and polyps)	1 (6.3)	0 (0.0)	1 (4.2)
Nervous system disorders	7 (43.8)	1 (12.5)	8 (33.3)
Gastrointestinal disorders	2 (12.5)	0 (0.0)	2 (8.3)
General disorders and administration site conditions	1 (6.3)	0 (0.0)	1 (4.2)
Immune system disorders	0 (0.0)	2 (25.0)	2 (8.3)
Infections and infestations	1 (6.3)	2 (25.0)	3 (12.5)
Vascular disorders	2 (12.5)	2* (25.0)	4 (16.7)
<b>Total</b>	<b>16 (100.0)</b>	<b>8 (100.0)</b>	<b>24 (100.0)</b>

\*2 SUSARs occurred in dose level 2, both with MedDRA system organ class=vascular disorders

*Adverse events – maximum CTCAE grade experienced for events occurring in more than 20% of patients*

Adverse Event Name	Duration of trial		
	Dose level 1 (n=7)	Dose level 2 (n=8)	Total (n=15)
<b>Fatigue</b>			
0	1 (14.3%)	2 (25.0%)	3 (20.0%)
1	3 (42.9%)	2 (25.0%)	5 (33.3%)
2	1 (14.3%)	2 (25.0%)	3 (20.0%)
3	1 (14.3%)	1 (12.5%)	2 (13.3%)
4	1 (14.3%)	1 (12.5%)	2 (13.3%)
<b>Nausea</b>			
0	1 (14.3%)	2 (25.0%)	3 (20.0%)
1	3 (42.9%)	2 (25.0%)	5 (33.3%)
2	1 (14.3%)	3 (37.5%)	4 (26.7%)
3	1 (14.3%)	1 (12.5%)	2 (13.3%)
4	1 (14.3%)	0 (0.0%)	1 (6.7%)
<b>Fever</b>			
0	4 (57.1%)	1 (12.5%)	5 (33.3%)
1	2 (28.6%)	2 (25.0%)	4 (26.7%)
2	0 (0.0%)	3 (37.5%)	3 (20.0%)
3	1 (14.3%)	1 (12.5%)	2 (13.3%)
4	0 (0.0%)	1 (12.5%)	1 (6.7%)
<b>Headache</b>			
0	1 (14.3%)	4 (50.0%)	5 (33.3%)
1	4 (57.1%)	3 (37.5%)	7 (46.7%)
2	1 (14.3%)	0 (0.0%)	1 (6.7%)
4	1 (14.3%)	1 (12.5%)	2 (13.3%)
<b>Lymphocyte count decreased</b>			
0	3 (42.9%)	3 (37.5%)	6 (40.0%)
1	1 (14.3%)	1 (12.5%)	2 (13.3%)
2	1 (14.3%)	2 (25.0%)	3 (20.0%)
3	1 (14.3%)	1 (12.5%)	2 (13.3%)
4	1 (14.3%)	1 (12.5%)	2 (13.3%)
<b>Alopecia</b>			
0	3 (42.9%)	4 (50.0%)	7 (46.7%)

Adverse Event Name	Duration of trial		
	Dose level 1 (n=7)	Dose level 2 (n=8)	Total (n=15)
1	2 (28.6%)	1 (12.5%)	3 (20.0%)
2	0 (0.0%)	1 (12.5%)	1 (6.7%)
3	1 (14.3%)	1 (12.5%)	2 (13.3%)
4	1 (14.3%)	1 (12.5%)	2 (13.3%)
<b>Seizure</b>			
0	2 (28.6%)	5 (62.5%)	7 (46.7%)
1	3 (42.9%)	0 (0.0%)	3 (20.0%)
2	1 (14.3%)	2 (25.0%)	3 (20.0%)
3	1 (14.3%)	1 (12.5%)	2 (13.3%)
<b>Vomiting</b>			
0	2 (28.6%)	5 (62.5%)	7 (46.7%)
1	3 (42.9%)	1 (12.5%)	4 (26.7%)
2	1 (14.3%)	1 (12.5%)	2 (13.3%)
3	0 (0.0%)	1 (12.5%)	1 (6.7%)
4	1 (14.3%)	0 (0.0%)	1 (6.7%)
<b>Flu like symptoms</b>			
0	4 (57.1%)	4 (50.0%)	8 (53.3%)
1	2 (28.6%)	2 (25.0%)	4 (26.7%)
2	1 (14.3%)	1 (12.5%)	2 (13.3%)
3	0 (0.0%)	1 (12.5%)	1 (6.7%)
<b>Skin and subcutaneous tissue disorders</b>			
0	4 (57.1%)	4 (50.0%)	8 (53.3%)
1	2 (28.6%)	2 (25.0%)	4 (26.7%)
2	1 (14.3%)	1 (12.5%)	2 (13.3%)
4	0 (0.0%)	1 (12.5%)	1 (6.7%)
<b>White blood cell decreased</b>			
0	3 (42.9%)	5 (62.5%)	8 (53.3%)
1	1 (14.3%)	0 (0.0%)	1 (6.7%)
2	1 (14.3%)	1 (12.5%)	2 (13.3%)
3	1 (14.3%)	1 (12.5%)	2 (13.3%)
4	1 (14.3%)	1 (12.5%)	2 (13.3%)
<b>Constipation</b>			
0	5 (71.4%)	4 (50.0%)	9 (60.0%)

Adverse Event Name	Duration of trial		
	Dose level 1 (n=7)	Dose level 2 (n=8)	Total (n=15)
1	1 (14.3%)	0 (0.0%)	1 (6.7%)
2	1 (14.3%)	2 (25.0%)	3 (20.0%)
3	0 (0.0%)	1 (12.5%)	1 (6.7%)
4	0 (0.0%)	1 (12.5%)	1 (6.7%)
<b>Neutrophil count decreased</b>			
0	4 (57.1%)	5 (62.5%)	9 (60.0%)
1	1 (14.3%)	0 (0.0%)	1 (6.7%)
2	0 (0.0%)	1 (12.5%)	1 (6.7%)
3	1 (14.3%)	1 (12.5%)	2 (13.3%)
4	1 (14.3%)	1 (12.5%)	2 (13.3%)
<b>Alanine aminotransferase increased</b>			
0	7 (100.0%)	4 (50.0%)	11 (73.3%)
2	0 (0.0%)	2 (25.0%)	2 (13.3%)
3	0 (0.0%)	1 (12.5%)	1 (6.7%)
4	0 (0.0%)	1 (12.5%)	1 (6.7%)
<b>Anemia</b>			
0	4 (57.1%)	7 (87.5%)	11 (73.3%)
1	1 (14.3%)	0 (0.0%)	1 (6.7%)
2	1 (14.3%)	0 (0.0%)	1 (6.7%)
3	0 (0.0%)	1 (12.5%)	1 (6.7%)
4	1 (14.3%)	0 (0.0%)	1 (6.7%)
<b>Platelet count decreased</b>			
0	6 (85.7%)	5 (62.5%)	11 (73.3%)
2	0 (0.0%)	1 (12.5%)	1 (6.7%)
3	0 (0.0%)	1 (12.5%)	1 (6.7%)
4	1 (14.3%)	1 (12.5%)	2 (13.3%)
<b>Rash maculo-papular</b>			
0	5 (71.4%)	6 (75.0%)	11 (73.3%)
1	1 (14.3%)	0 (0.0%)	1 (6.7%)
2	0 (0.0%)	1 (12.5%)	1 (6.7%)
3	1 (14.3%)	0 (0.0%)	1 (6.7%)
4	0 (0.0%)	1 (12.5%)	1 (6.7%)
<b>Abdominal pain</b>			



Adverse Event Name	Duration of trial		
	Dose level 1 (n=7)	Dose level 2 (n=8)	Total (n=15)
0	7 (100.0%)	5 (62.5%)	12 (80.0%)
1	0 (0.0%)	2 (25.0%)	2 (13.3%)
3	0 (0.0%)	1 (12.5%)	1 (6.7%)
<b>Anorexia</b>			
0	6 (85.7%)	6 (75.0%)	12 (80.0%)
2	1 (14.3%)	1 (12.5%)	2 (13.3%)
3	0 (0.0%)	1 (12.5%)	1 (6.7%)
<b>Arthralgia</b>			
0	6 (85.7%)	6 (75.0%)	12 (80.0%)
2	0 (0.0%)	2 (25.0%)	2 (13.3%)
4	1 (14.3%)	0 (0.0%)	1 (6.7%)
<b>Aspartate aminotransferase increased</b>			
0	7 (100.0%)	5 (62.5%)	12 (80.0%)
2	0 (0.0%)	2 (25.0%)	2 (13.3%)
3	0 (0.0%)	1 (12.5%)	1 (6.7%)
<b>Bone pain</b>			
0	5 (71.4%)	7 (87.5%)	12 (80.0%)
1	1 (14.3%)	1 (12.5%)	2 (13.3%)
4	1 (14.3%)	0 (0.0%)	1 (6.7%)
<b>Confusion</b>			
0	5 (71.4%)	7 (87.5%)	12 (80.0%)
1	1 (14.3%)	0 (0.0%)	1 (6.7%)
2	0 (0.0%)	1 (12.5%)	1 (6.7%)
3	1 (14.3%)	0 (0.0%)	1 (6.7%)
<b>Cough</b>			
0	6 (85.7%)	6 (75.0%)	12 (80.0%)
1	1 (14.3%)	1 (12.5%)	2 (13.3%)
4	0 (0.0%)	1 (12.5%)	1 (6.7%)
<b>Depression</b>			
0	6 (85.7%)	6 (75.0%)	12 (80.0%)
2	1 (14.3%)	1 (12.5%)	2 (13.3%)
4	0 (0.0%)	1 (12.5%)	1 (6.7%)
<b>Dyspepsia</b>			

Adverse Event Name	Duration of trial		
	Dose level 1 (n=7)	Dose level 2 (n=8)	Total (n=15)
0	6 (85.7%)	6 (75.0%)	12 (80.0%)
1	1 (14.3%)	1 (12.5%)	2 (13.3%)
4	0 (0.0%)	1 (12.5%)	1 (6.7%)
<b>Hypocalcemia</b>			
0	6 (85.7%)	6 (75.0%)	12 (80.0%)
1	1 (14.3%)	0 (0.0%)	1 (6.7%)
2	0 (0.0%)	1 (12.5%)	1 (6.7%)
3	0 (0.0%)	1 (12.5%)	1 (6.7%)
<b>Myalgia</b>			
0	6 (85.7%)	6 (75.0%)	12 (80.0%)
1	1 (14.3%)	1 (12.5%)	2 (13.3%)
4	0 (0.0%)	1 (12.5%)	1 (6.7%)
<b>Paresthesia</b>			
0	6 (85.7%)	6 (75.0%)	12 (80.0%)
1	0 (0.0%)	1 (12.5%)	1 (6.7%)
4	1 (14.3%)	1 (12.5%)	2 (13.3%)
<b>Skin infection</b>			
0	7 (100.0%)	5 (62.5%)	12 (80.0%)
2	0 (0.0%)	2 (25.0%)	2 (13.3%)
4	0 (0.0%)	1 (12.5%)	1 (6.7%)