



Concussion Action Plan (CAP) - extended

For patients with a complex concussion requiring specialist treatment

FAMILY NAME	MRN
GIVEN NAME	MALE FEMALE
D.O.B//	М.О.
ADDRESS	
LOCATION/WARD	

Doctor to complete

Your child has a concussion. Their symptoms include:									
Physical Headache Sensitivity to light Nausea Sensitivity to noise Fatigue Numbness/tingling Vomiting Visual problems Dizziness Balance problems Over the next few days, symptoms may worlf they occur, seek urgent medical attention		Emotional Irritability Sadness Feeling more emotional than usual Nervousness pear. Watch out for HEAD BU	Sleep Drowsiness Sleeping more than usual Sleeping less than usual Trouble falling asleep						
 H Headache, seizure, unconscious. E Eye problems (blurred/double vision). A Abnormal behaviour change. D Dizziness, persistent vomiting. 	U UnsteM MemoP Poor of	ce dysfunction with weakness ady on feet, slurred speech. ory impaired, confused, disorie concentration, drowsy, sleepy. thing's not right (concerned at	ented.						
Doctor's name: Direct parents to follow the CAP, overlea	0								

are available for download at kidshealth.org.au/concussion

Activity Prescription Guidelines:

The following activity prescription has been developed to help your child manage their concussion safely and effectively. Exercise levels are derived from your child's performance during graded exercise testing and deviating from these guidelines may put your child at risk of prolonged recovery. It is advised that if you have any questions or concerns you should consult your doctor or exercise physiologist.

Key:

RPE = rating of perceived exertion, your child's subjective rating of how intense the exercise is out of 10. HRt = heart rate threshold, the heart rate at which your child experiences overwhelming symptom exacerbation during exercise testing.

For parents

Have your child complete the following zone and stepwise program. Aim to keep activity within the <u>rating of perceived exertion (RPE)</u> or heart rate guide (if your child has a heart rate monitoring device). Seek urgent medical attention if your child's symptoms worsen or if other symptoms appear (see the HEAD BUMPS symptoms list overleaf).

REST PERIOD: Days 1 and 2 following injury:	(Date started:)	Activity Dose
Rest your child from any physical or cognitive activity.		RPE
 Supportive care Encourage good sleep patterns. Rest your child with no TV, phone or disru Provide regular meals and a minimum of 2L of water per day. Use over the counter headache medication as needed. 	uptions.	0 - 1 /10 Nothing at all - very, very light
 Complete the Symptoms Log Sheet, monitoring your child's symptoms an without symptoms. Encourage your child to have a positive mental attitude towards their records. 		Heart rate < 120 bpm

After 2 days of acute rest, you may move on to the next zone.

Use the Symptoms Log Sheet to record any symptoms that your child develops. If your child develops symptoms during an activity, stop the activity and let your child rest. When the symptoms are gone, have your child try the activity again.

RELATIVE REST PERIOD: Until cleared to return to light activity (Date started:)	Activity Dose
Recommendations: • Start low level physical and cognitive activity. Your child can now move around more freely. Activities may include: Iss than 20 minutes daily walking balance exercises e.g. single leg stands and heel-toe walking cognitive tasks e.g. reading	RPE 2 - 4 /10 Very light - light-moderate
 Supportive care Try to reduce and/or stop headache medication once your child is more physically/mentally active. Should sleep pattern remain a problem, then further assessment and possible treatment with Melatonin may be considered. This will require medical supervision and is best discussed with your local GP. 	Heart rate 120 - 140 bpm

See your GP to check that your child may progress to the next zone. Your child must be symptom tolerant before moving on to Step 1. Use the Symptoms Log Sheet to record any symptoms that your child develops. If your child develops symptoms during an activity, stop the activity and let your child rest. When the symptoms are gone, have your child try the activity again.

GRADED RETURN TO ACTIVITY	(Date started:)	Activity Dose
 Progress to the next step if your child is symptom free for 24 hours Step 2 – Moderate cognitive and physical activity Part time school with accommodations (rest breaks, minimal hours Specific skills and moderate aerobic activity for 20-30 minutes Progress to the next step if your child is symptom free for 24 hours Step 3 – Extended activity Progress towards full time school with minimal accommodation More intense aerobic and skill-based activity on a more regula 	mework, no exams) until able to handle 60 minutes or more of cognitive exertion. 5. urs. ons. ar basis.	RPE 5 - 7 /10 Moderate - hard HRt: Heart rate 80% HRt +10% each week
Progress to the next step if your child is symptom free for 24 hou	urs.	

Use the Symptoms Log Sheet to record any symptoms that your child develops. If your child develops symptoms during an activity, stop the activity and let your child rest. When the symptoms are gone, have your child try the activity again.

RETURNING TO PRE-INJURY ACTIVITY	(Date started:	Activity Dose
Once your child has been cleared to commence a re Step 4 – Pre-injury activity (without contact)	turn to activity protocol, they are ready to progress as follows:	RPE 8 - 10 /10
	rogressing when able to handle all classroom activities.	Very hard - maximal
 Attend sport practice, however with no contact or 	r collision activities.	maximar
• Prepare for return to play with extra aerobic and (returning to contact sport.	he next few weeks (e.g. 10 minutes \rightarrow half game \rightarrow full game). (if relevant) resistance training. Your child must have 14 days symptom free before e moving on to Step 6. If clearance is needed for your child's school or sporting club, se	HRt: Heart rate 80 - 100% HRt ee
Doctor's name:	Signature: Date:	_
 Step 6 – Full activity (with contact) Once your child has been symptom free for 14 day 	ys, return to all activities without restriction, including contact and collision sports.	

range zon

Green zone

Symptoms Log Sheet

Use the checklist below to keep track of your child's signs and symptoms. Take this log sheet with you to your appointments.

Physical	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10
Headache/s										
Nausea										
Vomiting										
Feeling tired										
Dizziness or balance problems										
Vision problems										
Bothered by light or noise										
Tingling feeling or numbness										
Thinking or remembering										
Difficulty thinking clearly										
Problems concentrating										
Problems remembering										
Feeling slowed down										
Feeling hazy, foggy or groggy										
Social or emotional										
Irritability										
Nervousness										
Sadness										
Feeling more emotional than usual										
Sleep										
Drowsiness										
Sleeping more than usual										
Sleeping less than usual										
Trouble falling asleep										
Signs observed by parent										
Dazed or confused										
Slower to answer or react										
Difficulty remembering										
Personality changes										
Sleep problems										

Symptoms Log Sheet

Use the checklist below to keep track of your child's signs and symptoms. Take this log sheet with you to your appointments.

Physical	Day 11	Day 12	Day 13	Day 14	Day 15	Day 16	Day 17	Day 18	Day 19	Day 20
Headache/s										
Nausea										
Vomiting										
Feeling tired										
Dizziness or balance problems										
Vision problems										
Bothered by light or noise										
Tingling feeling or numbness										
Thinking or remembering										
Difficulty thinking clearly										
Problems concentrating										
Problems remembering										
Feeling slowed down										
Feeling hazy, foggy or groggy										
Social or emotional										
Irritability										
Nervousness										
Sadness										
Feeling more emotional than usual										
Sleep										
Drowsiness										
Sleeping more than usual										
Sleeping less than usual										
Trouble falling asleep										
Signs observed by parent										
Dazed or confused										
Slower to answer or react										
Difficulty remembering										
Personality changes										
Sleep problems										