The GRTP Protocol is six-stage rehabilitation programme that returns players to rugby following a concussion or suspected concussion.

For more information on concussion and GRTP, including video guides, click here.



Get medical advice if:

such as pain killers.

You have 2 or more

concussions in a

12-month period.

You have symptoms

beyond Day 10-14 of

the GRTP Protocol.

You have symptoms

the GRTP Protocol.

continuing to occur with

a specific activity within

• You're failing to improve or

progress through the GRTP.

You're on medications

anti-depressants and /

or sleeping medication.



Graduated Return to Play (GRTP)

Protocol



2023

Benefits of GRTP



Returns players

and performance

to rugby participation

efficiently and safely



Important part

guidelines to

of the management

treat concussion







Low intensity

persisting

exercise in first

symptoms and promotes recovery

48 hours prevents



Detects symptoms

require additional

medical treatment

early that may





Minimises risk of injury recurrence or subsequent injury

Symptom-free and assessed by a

5

healthcare professional to progress

Date competencies achieved

Date of injury:

Stage

1 2

3

Return to play takes minimum 21 days adults & 23 days for U20s

10

Severe

Symptoms

(as bad as possibly can be

IRFU GRTP

Symptom Scale (Visual Analogue Scale)

Pre-activity (at rest) **During/Post-Activity**



Protocol

Stage 1 to 3

Focus on physical activity as a treatment to aid recovery.

Stage 1

(1) 0-48 hours

Activity Guidelines

- · Stop playing immediately after sustaining a concussion
- · Seek medical advice early
- Early light physical and mental activity helps treat symptoms
- · Avoid STRICT absolute physical and mental rest this delays recovery
- Avoid HIGH intensity exercise in first 48 hours

Lifestyle Guidelines

- · Maintain regular sleeping pattern
- Maintain your normal eating regime
- · Remain socially interactive
- · Reduce screentime in the first 48 hours

Stage 2

(1) Days 2-6

Light to moderate activity recommended, see Activity Chart overleaf.

Players can increase activity only when:

- Symptoms at rest are <7/10
- · Only mild symptom exacerbation occurs (<2 point increase)
- · Any symptom exacerbation resolves in <60 minutes

If the above criteria are not met. **STOP** new activity and try again the following day.

Stage 3

(1) Days 7-9

Continue with light to moderate activity recommended, see Activity Chart overleaf.

Players can increase activity only when:

- Symptoms at rest are <7/10
- Only mild symptom exacerbation occurs (<2 point increase)
- Any symptom exacerbation resolves in <60 minutes

If the above criteria are not met. **STOP** new activity and try again the following day.

Stage 4

(1) Days 10-13 (adults)

Stage 4 and 5

for full return to play.

(1) Days 10-15 (U20s)

Controlled contact activities with no or minimal risk of head impacts, see Activity Chart overleaf

To progress to Stage 4: You MUST:

- Be symptom-free at rest and after activity
- Mave returned to school/ college/work

You SHOULD:

Be assessed by a healthcare professional

If any symptoms arise **STOP** and RETURN to Stage 3 until symptom-free.

Stage 5

Focus on specific rugby activities to prepare players

- (1) Days 14-21 (adults)
- (I) Days 16-23 (U20s)

Return to full contact training. including activities that may put you at risk of a head impact in i.e., uncontrolled contact. tackles, collisions and falls. see Activity Chart.

If any symptoms arise **STOP** and RETURN to Stage 3 until symptom-free.

Players should **NOT** return to play until they:

- Mave returned to learn / work
- Are symptom-free
- Mave been assessed by a healthcare practitioner
- Mave completed the GRTP Protocol

Stage 6 Full return to

match play.

Stage 6

- (1) Days 21+ (adults)
- (1) Days 23+ (U20s)

Return to full contact play.

Timelines:

Under 20vrs: 23 days minimum

Over 20yrs: 21 days minimum

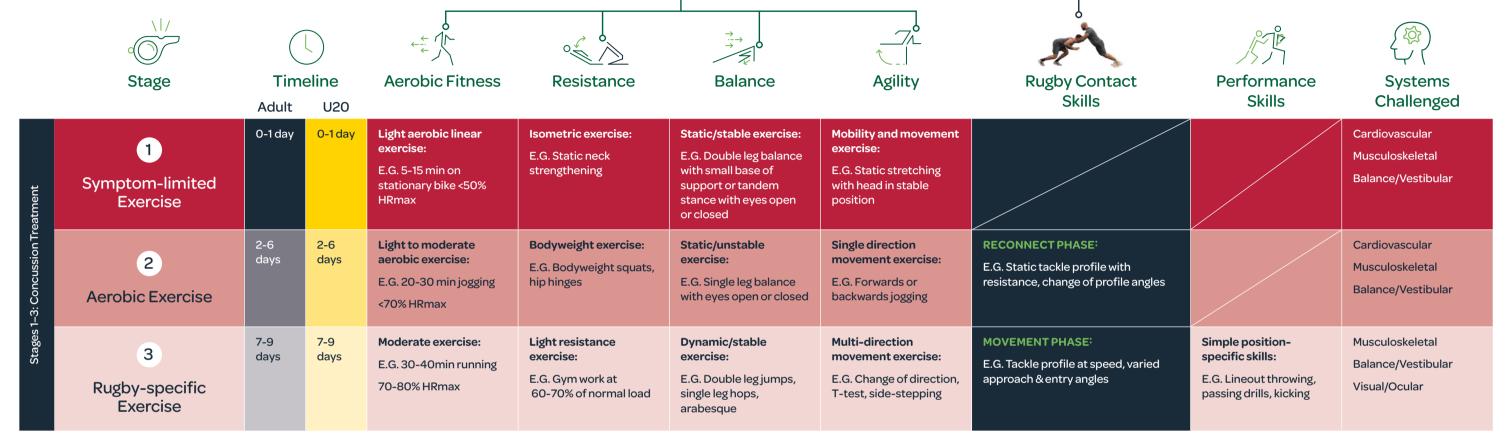
Timings are a guide only. GRTP protocol should not replace advice given to an individual by their healthcare practitioner.

GRTP Activity Chart









Player MUST be symptom-free and should have an assessment by a healthcare professional before entering Stage 4

mance	4 Non-contact Drills	10-13 days	10-15 days	Intense exercise: E.G. Interval training 90% HRmax, acceleration & deceleration drills	Moderate resistance training: E.G. Gym work at 70- 80%% of normal load	Dynamic/unstable exercise: E.G. Hopping drills, ladder drills, bear crawls	Complex movement exercise: E.G. T-test to coloured or numbered cones, down ups, cariocas	CHALLENGE PHASE: E.G. Tackle profile at speed, open chain decision-making & entries	Dynamic position- specific skills: E.G. Passing drills, partner pummel & mat wrestling	Balance/Vestibular Visual/Ocular Cognition
Stages 4–6: Rugby Perfor	5 Full-contact Practice	14 days	16 days	Intense exercise & conditioning: E.G. Full training session	Dynamic/complex exercise: E.G. Gym work up to pre-injury strength & power loads	Dynamic/complex exercise: E.G. Plank press-up wrestling, mat wrestling	Dynamic/complex positions-specific: E.G. Down-ups, sprint drills with varying starting positions	PERFORMANCE PHASE: E.G. Linear approach to entry Vs tackle shield, angled approach to entry Vs tackle shield	Dynamic/complex skills: E.G. Full contact training session, ball fend, back- to-back wrestling	Cognition Decision-making
	6 Return to Play	21 days	23 days	Full aerobic fitness	Full strength & power	Full balance ability & control	Full co-ordination & decision-making	FULL TACKLE PERFORMANCE COMPETENCE: E.G. Tackle at speed with intent & confidence	Full performance competence	Psychological (fear avoidance, confidence)