Supplementary material 1a. COD speed and technique modification 6-week training intervention

Week	COD Emphasis	Drills	Intensity (perceived speed)	Total Distance (m)	Number of Decelerations and CODs
Week 1	<ul> <li>Drills specific to deceleration phase, before adding turn and reacceleration</li> <li>Submaximal/</li> </ul>	<ol> <li>10 × 5-m acceleration to deceleration (2 reps a go)</li> <li>12 × 5-m acceleration to side-steps (20-60°) - 5-m exit to deceleration - 2 reps at 20°, 40°, 60°</li> <li>8 × 5-m acceleration to 135° turns - 5-m exit to deceleration</li> <li>2 × Max effort 135° pivot each leg, max effort 60° cut each leg</li> </ol>	50-75%	290	29 and 24
Week 2	<ul> <li>Submaximal/ pre-planned emphasising key aspects of technique</li> <li>Progressive increase in COD angle and approach velocity</li> </ul>	<ol> <li>4 × 5-m acceleration to deceleration</li> <li>4 × 10-m acceleration to deceleration</li> <li>12 × 5-m acceleration to side-steps (45°, 60°, and 80°) – 5-m exit to deceleration</li> <li>8 × 5-m acceleration to 135° turns – 5-m exit to deceleration</li> <li>2 × Combination: 5-m 60° cut, to 180° turn, to 60° cut, to Dec</li> </ol>	75%+	300	30 and 26
Week 3	<ul> <li>Pre-planned drill performed maximally</li> <li>Introduction of unanticipated generic stimuli</li> </ul>	<ol> <li>4 × 5- and 10-m acceleration to deceleration</li> <li>4 × 2.5-10-m acceleration to deceleration- react to coach shout</li> <li>16 × 5-m acceleration to side-steps (45° and 90°) – 5-m exit to deceleration</li> <li>4 × 5-m combined 180° - 2 x 180° per rep</li> <li>3 × 20-m tunnel drill – side-stepping past 4 opponents every 5-m</li> </ol>	75-100%	320-350	28 and 36
Week 4	<ul><li>(auditory or visual)</li><li>Unanticipated performed submaximally</li></ul>	<ol> <li>4 × 5-15 m unanticipated decelerations – partner stimuli*</li> <li>3 × zig-zag runs (two 45° cuts) – 5-m exit to deceleration (15-m total) – one partner chase</li> <li>3 × zig-zag runs (two 90° cuts) – 5-m exit to deceleration (15 m total) – one partner chase</li> <li>6 × unanticipated 70° cuts (coach body position) – 5-m entry and exit</li> <li>3 × pro-agility (5-m approach to 180°, 5-m reaccelerate to 180°, to 10-m deceleration)</li> </ol>	100%	260-300	19 and 24
Week 5	<ul> <li>Unanticipated drills performed maximally</li> <li>Introduction of sport specific stimuli – opponent</li> </ul>	<ol> <li>4 × 5-15 m unanticipated decelerations – partner stimuli*</li> <li>3 × zig-zag runs (two 45° cuts) – 5-m exit to deceleration (15-m total) – one partner chase</li> <li>3 × zig-zag runs (two 90° cuts) – 5-m exit to deceleration (15-m total) – one partner chase</li> <li>4 × unanticipated 70° cuts (coach body position) – 5-m entry and exit</li> <li>4 × unanticipated 70° cuts (follow opponent) – 5-m entry and exit*</li> <li>2 × 180° races – two turns every 5-m to 5-m deceleration</li> </ol>	100%	260-300	26 and 28
Week 6		<ol> <li>4 x 5-15-m unanticipated decelerations – partner stimuli- two decelerations per rep*</li> <li>8 x 5-m acceleration to side steps (45°) – 5-m exit to deceleration</li> <li>4 × Modified L runs – anticipated - (5-m acceleration to 90° cut, 5-m acceleration to 180° turn – 5-m acceleration to 90° cut – to 5-m deceleration</li> <li>6 × X-drill – two cuts/turns in a square – partner follow*</li> </ol>	100%	270-330	28 and 36

<ol> <li>2 × 180° races – two turns at any point across 10-m distance – partner lead*</li> </ol>		
l between 100% effort reps. 2 minutes' rest provide between e	I	

 All CODs and decelerations to be performed with the aim of modified braking and COD strategy
 Feedback to be provided to each player after each rep regarding braking strategy/ COD technique
 Key: \* = Alternate between leading and reacting / attacking and defending; COD = Change of direction; PFC = Penultimate foot contact; Dec: Deceleration

## Supplementary material 1b. Jump-landing warm-up drills performed during COD speed and technique modification training intervention

Week	Warm-up jump-landing plyometric drills
Week 1	Jump-landing: 10-m of:         1.       Bilateral broad jump         2.       Bilateral broad jump – zig-zag         3.       Bilateral broad jump - lateral         4.       Single-leg hop and hold – forwards         5.       Single-leg hop and hold – zig-zag         6.       Single-leg cutting push off action and hold
Week 2	Jump-landing: 10-m of: 1. Bilateral broad jump 2. Bilateral broad jump – zig-zag 3. Bilateral broad jump - lateral 4. Single-leg hop and hold – forwards 5. Single-leg hop and hold – zig-zag 6. Single-leg cutting push off action and hold
Week 3	Jump-landing: 12-m of:         1. Bilateral broad jump (reactive in pairs)         2. Bilateral broad jump – zig-zag         3. Bilateral broad jump – lateral         4. Single-leg hop and hold – forwards         5. Single-leg hop and hold – zig-zag         6. Single-leg cutting push off action and hold
Week 4	Jump-landing: 12-m of: 1. Bilateral broad jump (reactive in pairs) 2. Forward tuck-jumps 3. Zig-zag tuck-jumps 4. Single-leg hop and hold – forwards 5. Single-leg hop and hold – zig-zag 6. Single-leg cutting push off action continuous
Week 5	Jump-landing: 12-m of:         1.       Bilateral broad jump (reactive in pairs)         2.       Forward tuck-jumps         3.       Zig-zag tuck-jumps         4.       Single-leg hop and hold – forwards – double hop         5.       Single-leg hop and hold – zig-zag         6.       Single-leg cutting push off action continuous         7.       Crossover hop and hold
Week 6	Jump-landing: 12-m of:         1.       Bilateral broad jump (reactive in pairs)         2.       Forward tuck-jumps         3.       Zig-zag tuck-jumps         4.       Single-leg hop and hold – forwards – double hop         5.       Single-leg hop and hold – zig-zag         6.       Single-leg cutting push off action continuous         7.       Crossover hop and hold