

2018 World Para ALPINE SKIING

World Cup Finals



*Kimberley Alpine Resort / British Columbia
Canada*

Medical Plan



Event Dates

IPC Alpine February 7-11, 2018
Kimberley Alpine Resort, BC, Canada

Medical Contacts

Dr. Warren Thirsk	Chief of Medical	780-975-0221
Dr. Chris Beavington	Assistant Medical	780-729-2251
Dr. Kate McCubbin	Race Physician	778-628-7245
Dr. Shaun Van Zyl	Kimberley Physician	250-427-0725
Gordy Blake	Chief of Ski Patrol	250-427-0884
Kimberley Ski Patrol Dispatch		250-432-0303

Medical Station

The Ski Patrol Clinic (PC) is located on the mountain traverse skiers left of the main chairlift just above the bridge before the final pitch. The building is clearly labeled. Vehicles can access the PC clinic via Gary Sorenson Way passing Northstar Boulevard and going through the tunnel. This site will cover the Emergency medical needs of race spectators, race officials, coaches, workforce, media and general skiing public according to routine Kimberley Alpine Resort Ski Patrol protocols.

For the duration of the race there will be a dedicated stretcher in the PC to care for injured athletes. This room will be staffed during race hours with a race Physician and offers full ATLS/ACLS resuscitation services. The room is equipped with a Life Pack 15 monitor and all standard resuscitation drugs and equipment. The stand-by ambulance is also located at the PC clinic.

For after-hours injuries or medical advice, an on-call contact phone number will be made available at the race meetings for one of the race physicians. Given the limited resources available at Kimberley Alpine Resort, most routine, non-emergent medical care will be re-directed to Kimberley Medical Clinic (Dr. Van Zyl) during normal business hours or the 24-hour Emergency Department at the East Kootenay Regional Hospital in Cranbrook.

Medical Team Composition

The medical team is composed of Kimberley Alpine Resort professional ski patrol and the race physicians. All team members have extensive job specific training.

Identification

Ski Patrollers and Race Physicians will be identified by an Orange jacket with white crosses on back and shoulders.

Equipment



Each ski patroller is equipped with first aid supplies in their standard patrol packs. Each toboggan station will have C-Spine collars, Spine boards, Trauma packs for wounds and splinting, oxygen, and basic airway management supplies. Entonox is available if required for pain. There is an AED at the top of the mountain. In the field, the Race physicians will have an Advanced Trauma Pack with AED, narcotic medications, IV access and ACLS medications, and advanced airway supplies. The Ski Patrol Clinic is equipped with a Life Pack 15 monitor and all standard ACLS resuscitation drugs and equipment supplemented by the stand-by ambulance.

Field of Play

Ski patrollers will be stationed along the course with a team of 2 and toboggan at the start and a third patroller with a toboggan at Canada Way above the jump. A Race Physician(s) will be stationed at the top of course and will respond as needed. All injured athletes will be accompanied down the hill and taken to the Ski Patrol Clinic for assessment.

Racer Down Protocol

In the event an athlete falls, the Racer Down Protocol will be strictly adhered to by all personnel on course to ensure the safety of everyone. The ski patroller closest to the accident scene will be released **only** by the Chief of Medical or the Chief of Patrol once a course Stop-Start/course hold has been confirmed by the Jury.

Accident Scene Management

The ski patroller(s) responding to the scene will perform a rapid assessment of the athlete to rule out any life/ limb threatening injuries and confirm the chief complaint. They will radio their findings to Dispatch and call for the appropriate assistance including the race physician if required by the athlete's condition. If the athlete is able ski away under their own power they will be accompanied down by a patroller to the medical clinic. The second patroller, if they have responded with a toboggan, will exit the course with the toboggan and will cycle back up into position. At the discretion of the Chief of Patrol, additional ski patrol teams may be dispatched to the start of the race from the public mountain to maintain the flow of the race. Team physicians, therapists and coaches are asked not to interfere with the host medical team's evacuation and management of the athlete; however, they are most welcome to assist in comforting their athlete, interpreting as required and providing background medical information (medications and allergies in particular) to the Ski Patrol.

Evacuation and Transportation

Injured athletes who are unable to ski out will be evacuated from the race course by toboggan to the Ski Patrol Clinic where they will be assessed by a Race physician. One team member (coach, therapist or physician) is welcome in the medical clinic to assist the assessment by providing medical history and interpretation assistance. It would greatly assist the medical team if coaches, trainers and/or team physicians can provide a list of past medical history, medications and allergies for each athlete.



All athletes assessed in the Ski Patrol Clinic who require further care will be transported to the East Kootenay Regional Hospital (Cranbrook) by the most medically appropriate means available: Team or private vehicle or ground ambulance.

Depending on the nature of the injury, further transportation decisions from East Kootenay Regional Hospital (Cranbrook) to a higher level of care will be determined according to the nature and severity of the injury. Major traumas to the head, chest, abdomen or pelvis will be flown or driven by ground (weather and resource dependent) to Foothills Hospital, Calgary, Alberta (Level 1 Trauma Center). Isolated orthopedic trauma requiring surgery may be directed by ground to Banff Hospital in Banff, Alberta. All transfer decisions will be made by the East Kootenay Regional Hospital (Cranbrook) Emergency physician on duty according to BC. Provincial protocols with input from the Race physicians and injured athlete.

Air Ambulance (Helicopter) Criteria

Kimberley Alpine Resort is a remote mountain location with evacuation times typically over 4 hours. **All air and ground travel in these mountains is weather dependent** which makes all evacuation plans tentative---flexibility in planning is important. All efforts will be made to get critically injured racers to the Foothills Hospital in Calgary which is the closest Level 1 Trauma hospital as soon as safely possible. For information purposes, below are some general travel times out of East Kootenay Regional Hospital (Cranbrook). All patients will be assessed and have critical interventions (Airway management, IV access, Chest tubes, etc.) placed in the Ski Patrol clinic or at East Kootenay Regional Hospital (Cranbrook) prior to transport due to the prolonged transport times. The average total time from East Kootenay Regional Hospital (Cranbrook) to Calgary via STARS helicopter transport is 172 minutes. In the case of adverse weather a fixed wing transport out of Cranbrook may be the only option, which would increase the total travel time to Calgary upwards of 240 minutes. If weather at either Cranbrook or Calgary prevents flying, ground transportation will be approximately 5 hours. Other scenarios depending on weather include a rendezvous with STARS helicopter on the highway to Calgary.

For critical head or torso injuries, the Race Physicians may initiate an “Auto-Launch” protocol with the STARS helicopter (weather and resource dependent) which may allow the STARS helicopter to begin flying from Calgary while the injured athlete is being transferred to East Kootenay Regional Hospital (Cranbrook). If needed, one of the Race physicians who is also qualified as a flight physician may accompany the athlete.

Typical Travel Times for Emergency Vehicles

All travel times are estimates and do not factor in current road conditions, weather and traffic.

Estimated driving time (one way)

Kimberley to Kimberley Medical Clinic	5 minutes
Kimberley to East Kootenay Regional Hospital (Cranbrook)	30 minutes
Banff	3.25 hours
Kimberley to Calgary	4.5 hours

Estimated flying time (both ways)

East Kootenay Regional Hospital (Cranbrook) to Calgary	172 minutes
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Hospitals

East Kootenay Regional Hospital
13 24th Ave North, Cranbrook
Phone 1- 250-426-5281

Calgary Foothills Hospital (Level 1 Trauma Center)
Phone 1-403-944-1110

Banff Mineral Springs Hospital (Orthopedic Referral Center)
Phone 1-403-762-2222

Local Facilities & Resources

Medical Clinic (X-ray and Lab services)

Kimberley Medical Clinic (Dr. S. Van Zyl)
260 4th Avenue, Kimberley
Phone 250-427-4861
Hours of Operation: 08:30-17:00

Patients without Canadian provincial insurance coverage will be charged a clinic fee of \$150 CND. It is the visiting athlete's responsibility to seek re-imburement from their own insurance. Fee includes insurance form completion and receipt.

Dentists

Dr. Nelson
Kimberley Family Dental Clinic
465 Wallinger Ave, Kimberley, BC V1A 1Z6
Phone 250-427-5366

Weekday hours 8am-5pm. Initial assessment \$100 CND with additional charges per BC dental insurance guidelines for X-ray, fillings or other treatments.

Weekend Dental Emergency call East Kootenay Regional Hospital (Cranbrook) for on-call dentist.

Pharmacies

Shoppers Drug Mart
260 4th Avenue, Kimberley
Phone 250-427-2181

Shoppers Drug Mart
350 Ross St, Kimberley
Phone 250-427-2181



Gray's Compounding Pharmacy/RemedyRx
417B 304th St., Kimberley
Phone 250-427-0038

Physiotherapy

Creekside Physiotherapy
417 304th St., Kimberley
Phone 250-427-2202

