Assessment & Exercise for Back Injury Recovery



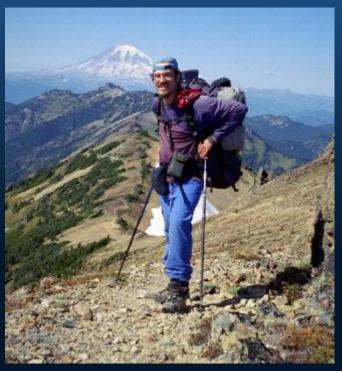
with Rick Kaselj, MS



My Story

Rick Kaselj

- Exercises and injuries
- BSc 1997
- MS 2008 / RC
- Work physio, studio,
 gym, rec centre, rehab
- Courses live, video presentations, webinars
- Writing books, manuals
- Blog ExercisesForInjuries.com



Rick Hiking 4300 km / 5 months from Mexico to Canada



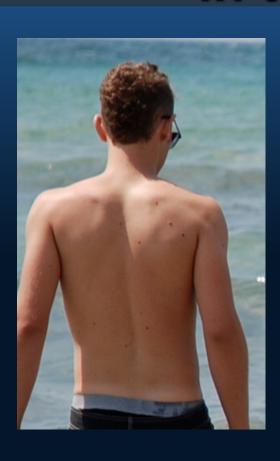
Objectives



- Part 1 Key Structures of the Back
- Part 2 Assessing the Back
- Part 3 Important Back Injury Recovery Exercises

Part 1 - Key Structures of the Back





- Overall Structure
 - Back





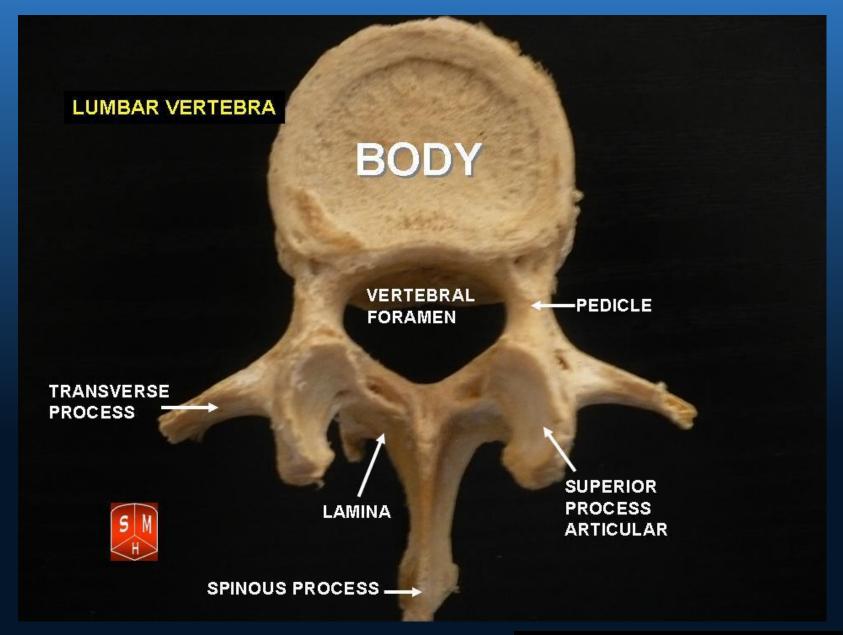
- Key Joint
 - Lumbar spine
- Key Back Joint
 Structures
 - Vertebrae
 - IntervertebralDisc



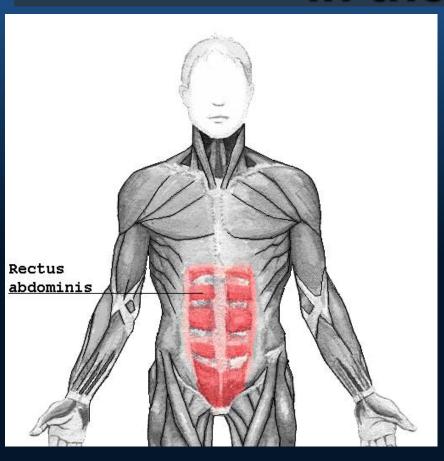
- Key Structures
 - Vertebrae
 - Intervertebral discs
 - Pelvis
 - Sacroiliac joint (SI joint)





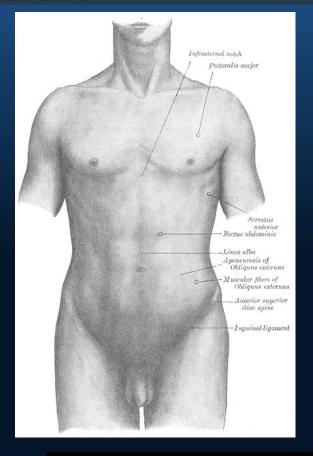


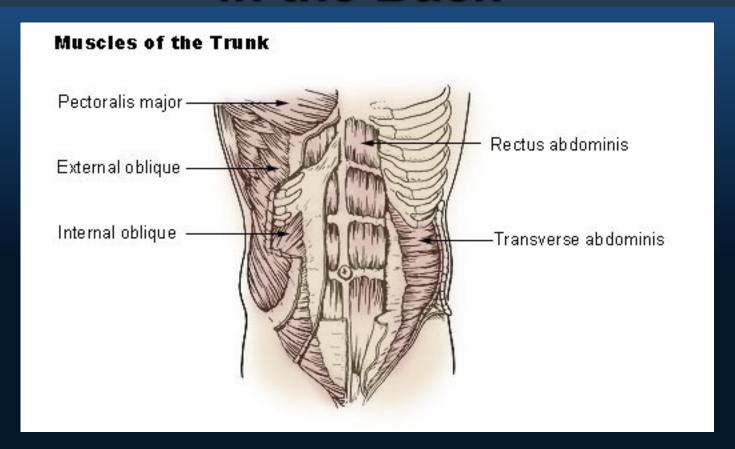


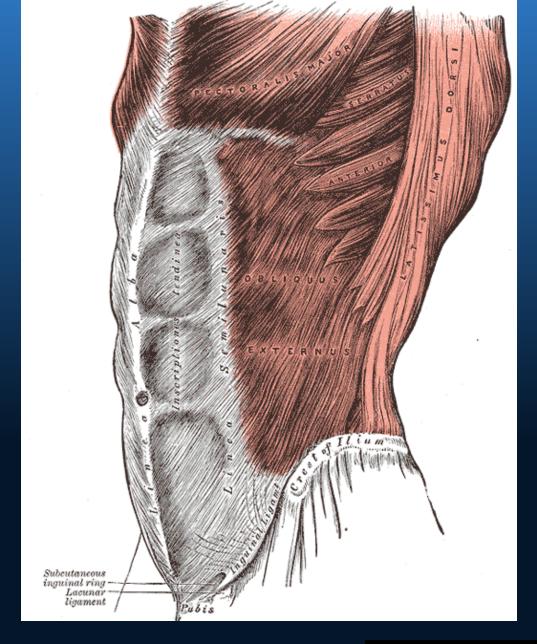


- Key Muscles
 - Rectus Abdominus

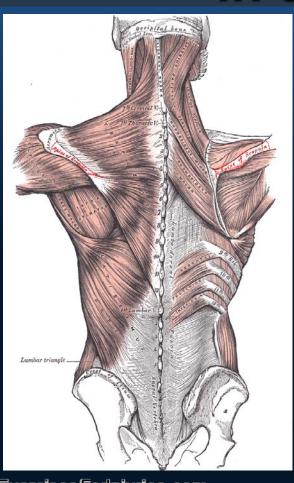
- Key Muscles
 - External obliques
 - Rectus abdominus





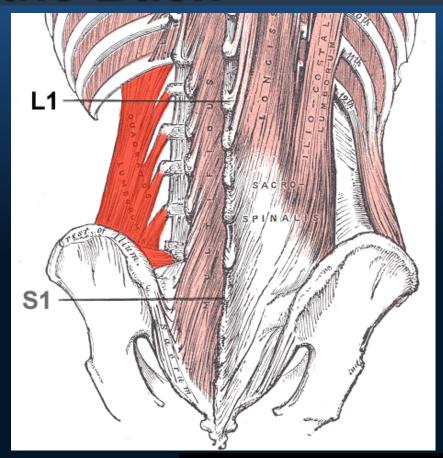




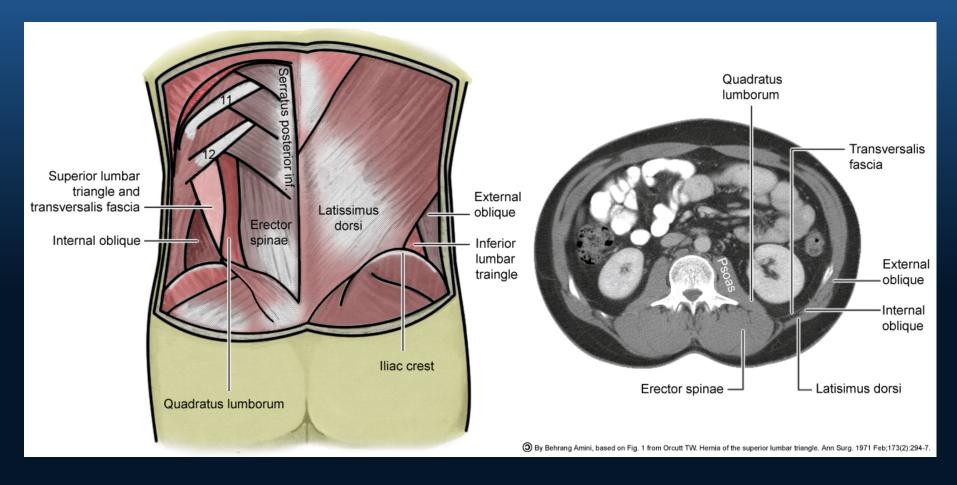


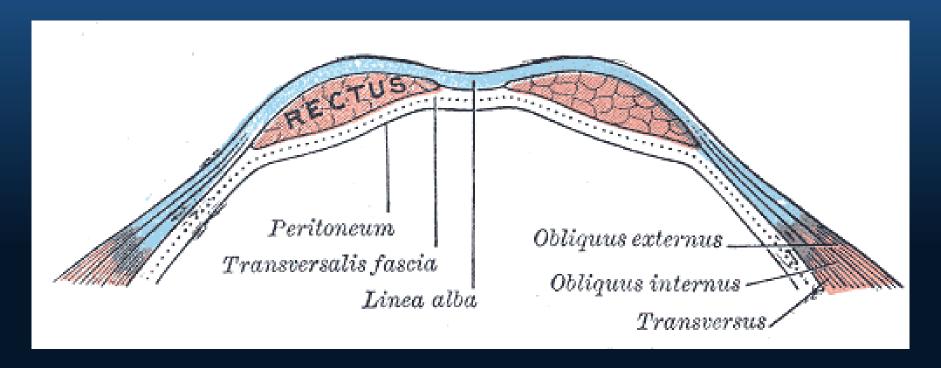
- Key Muscles
 - Trapezius
 - Latissimus Dorsi

- Key Muscles
 - QuadratusLumborum
 - Multifidus

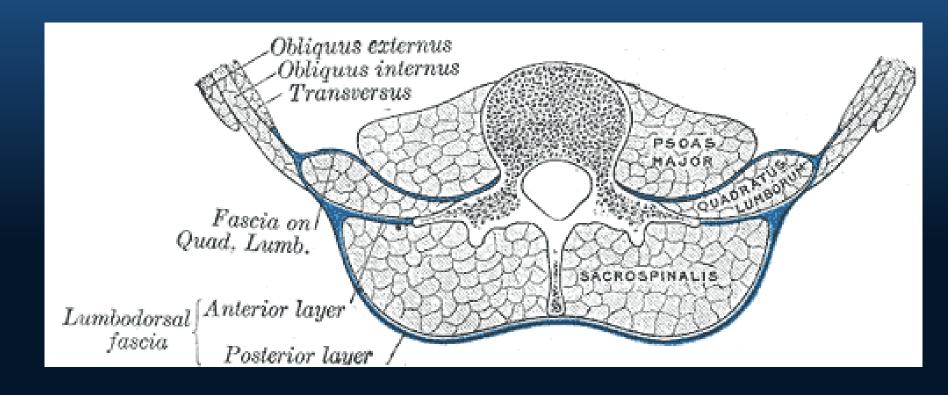
















- Key Muscles
 - Gluteus maximus
 - Hamstring



Where to Get More Information

Spinal Health & CoreTraining

An Interdisciplinary Approach for Health, Fitness, Rehabilitation and Performance



Part 2 - Assessing the Back



Assessing the Back

- Assessing
 - Setting (444)





Assessing the Back

- Assessing
 - Squatting (205)





Assessing the Back

- Assessing Flexion
 - Single Knee to Chest (403)





Part 3 - Important Back Injury Recovery Exercises



Components

- 1. Warm up
- Hip Range of Motion – passive, Active, mobility
- 3. Stretching
- 4. SMR
- 5. Balance



Components

- 7. Leg Patterns squatting, lunging, stepping
- 8. Upper Body
 Patterns push,
 pull, press
- 9. Gluteus Medius
- 10. Gluteus Maximus

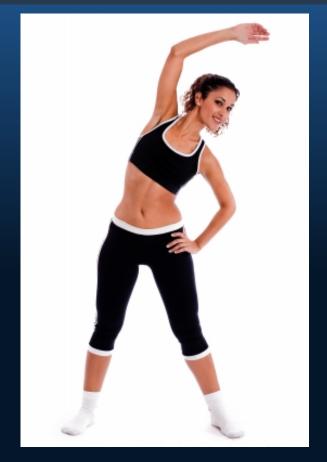




Components

12. Core Stability –
bilateral, unilateral,
endurance,
resisting rotation,
anti-movement

13. Activity Specific





Where to Get More Information

Muscle Imbalances
 Revealed – Upper
 Body

 Component #2 – Avoiding Common Programming Bloops and Blunders with Tony Gentilcore



- Wall Hand Positions
 - 1. Palms Down
 - 2. Forearms









Wall Hand Positions

- 3. Triangle
- 4. Genie

- Wall Hand Positions
 - 5. Open Hands (Push-up Position)
 - 6. Closed Fist









- Wall Hand Positions
 - 7. Finger Tips
 - 8. Foam Roller

Where to Get More Information

- Muscle Imbalances
 Revealed Upper
 Body
 - Component #4 Advanced Core
 Training & Conditioning with Dean
 Somerset





Core Wall Routine

- Triangle Front Wall Plank(184)
 - 1 set of 5 repetitions and progress to 10
 - For a hold and progressing to 10 seconds
 - Increase the body angle
 - Daily





- Core Wall Routine
 - Small Lean Side
 Wall Plank (185)





- Core Wall Program
 - Bilateral Corner Retractions (345)





- Core Wall Program
 - Front Plank to PushUp (186)





- Core Wall Program
 - Front to Side Wall Plank (187)



- Core Wall Program
 - Bilateral Corner Shoulder Extension (346)





- Core Wall Program
 - Front Plank with High Knees (188)



- Core Wall Program
 - Side Plank with Leg to Side (189)





- Core Wall Program
 - Unilateral Corner Retractions (348)



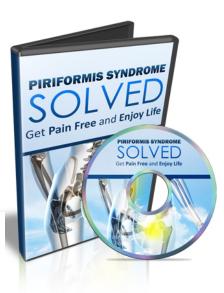
- Core Wall Program
 - Triangle Plank with Hip Out (347)



Other Injuries

- Shin Splints
- Meniscus Tear
- Patellofemoral Pain Syndrome
- Sacroiliac Pain
- Plantar Fasciitis
- Piriformis Syndrome
- Lumbar Fusion
- Achilles Tendinitis
- Jumper's Knee
- Tennis Elbow





Objectives



- Part 1 Key Structures of the Back
- Part 2 Assessing the Back
- Part 3 Important Back Injury Recovery Exercises

More FREE Information on Exercise & Injuries

- \$299 Fitness Education
 - Returning the Shoulder Back to Optimal Function Seminar
 - Exercise Modification for the Sensitive Shoulder Seminar
 - Visit www.ExercisesForInjuries.com



Thank You

- Send me your questions!
- Rick Kaselj
 - support@ExercisesForInjuries.com
 - www.ExercisesForInjuries.com



End

