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LOW BACK PAIN



Health and Independence Report 2019

The Director-General of Health's Annual Report on the State of Public Health

Table 6: Leading specific causes of health loss, 2019

	Cause	Percent of total DALYs
1	Ischaemic heart disease	7.7
2	Low back pain	4.5
3	Chronic obstructive pulmonary disease	3.9
4	Falls	3.7
5	Stroke	3.5
6	Lung cancer	3.4
7	Colorectal cancer	2.6
8	Diabetes	2.6
9	Anxiety disorders	2.6
10	Depressive disorders	2.4

Source: Global Burden of Disease Collaborative Network (2020)

Table 7: Leading specific causes of morbidity, 2019

	Cause	Percent of total YLDs
1	Low back pain	8.9
2	Falls	6.0
3	Anxiety disorders	5.1
4	Depressive disorder	4.8
5	Headache disorder	4.4
6	Age-related hearing loss	4.2
7	Mechanical forces	4.0
8	Oral disorders	3.7
9	Osteoarthritis	3.7
10	Diabetes	3.3

Effects of Chronic Pain on the Patient

Physical Functioning

- Ability to perform activities of daily living
- Sleep disturbances

Psychological Morbidity

- Depression
- Anxiety
- Anger
- Loss of self-esteem

Social Consequences

- Relationships with family and friends
- Intimacy/sexual activity
- Social isolation

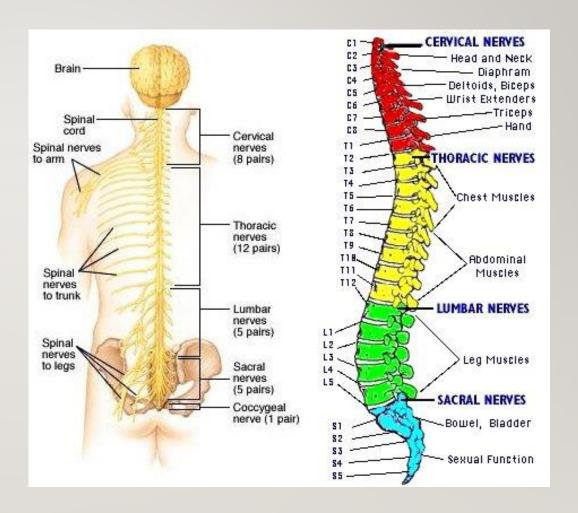
Societal Consequences

- · Healthcare costs
- Disability
- Lost workdays

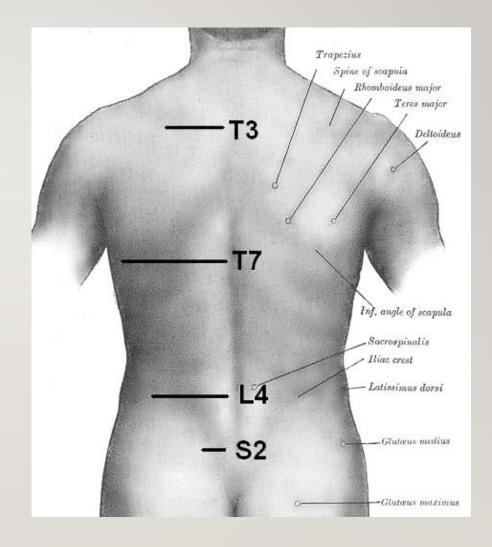
LOW BACK PAIN

- We all suffer from low back pain sometime in our lifetime
- 80-95% recover in 3 months
- 80% have no cause found
- Each year, around 5-10% workforce is off due to low back pain, most less than 7 days
- Around 2% workforce is disabled due to low back pain
- The problem seems to be getting worse

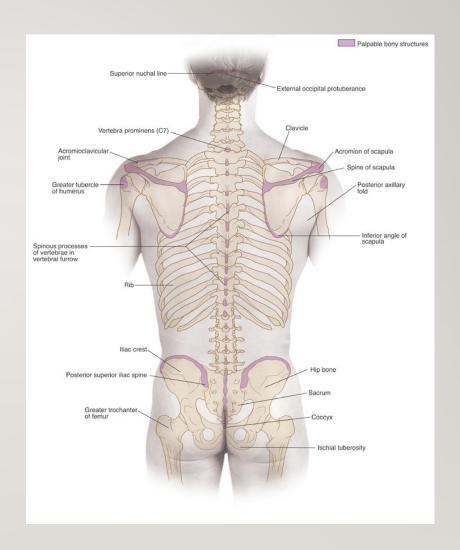
SPINE ANATOMY



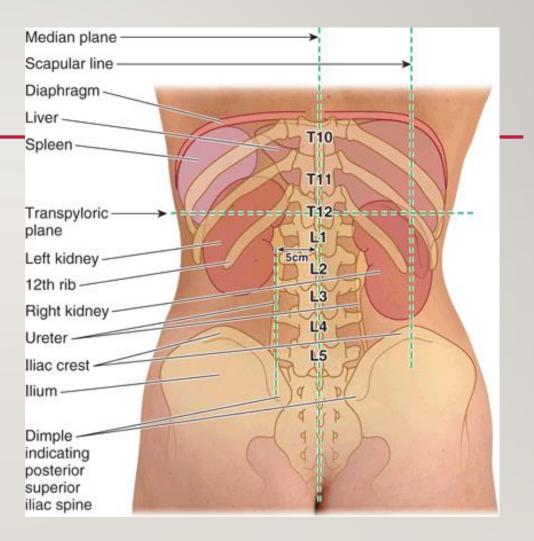
SURFACE ANATOMY



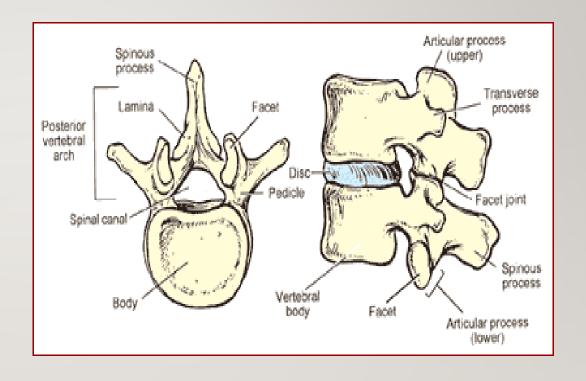
SURFACE ANATOMY



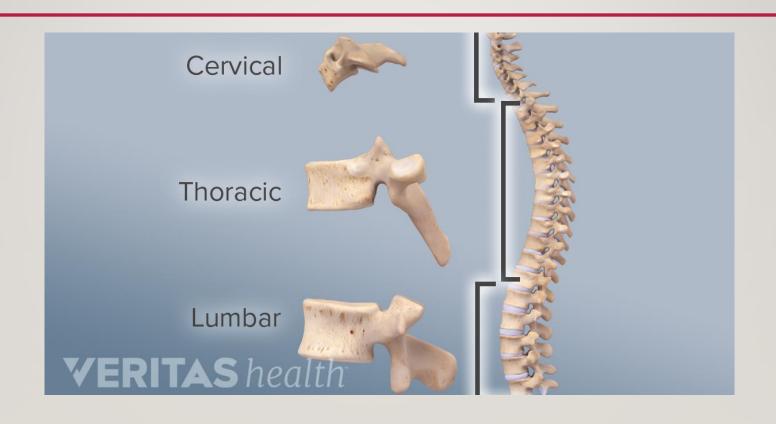
SURFACE ANATOMY



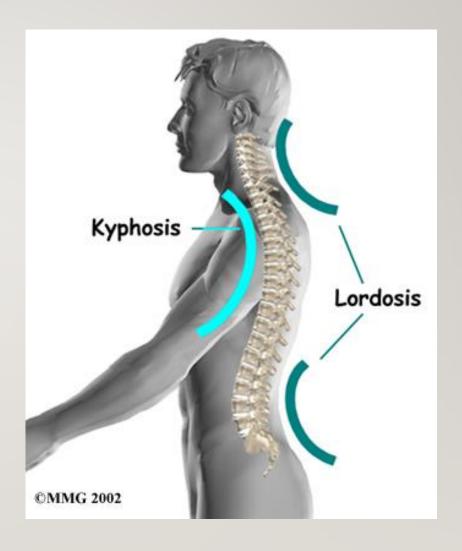
VERTEBRAL BODY



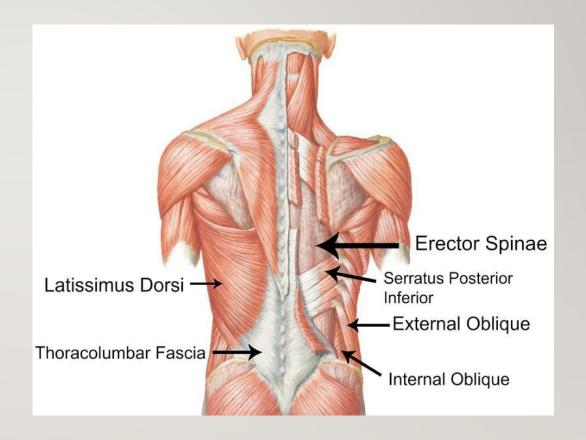
VERTEBRAL BODIES AT DIFFERENT LEVELS



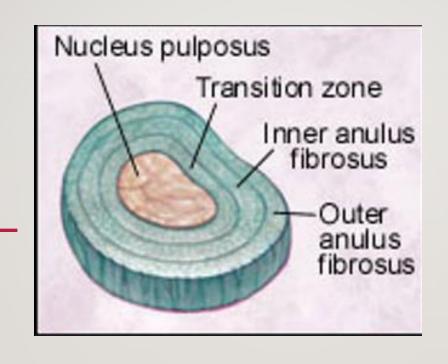
CURVE

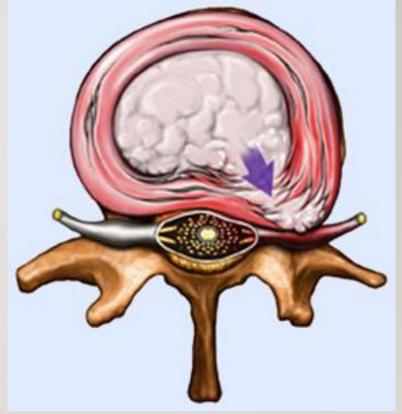


BACK MUSCLES

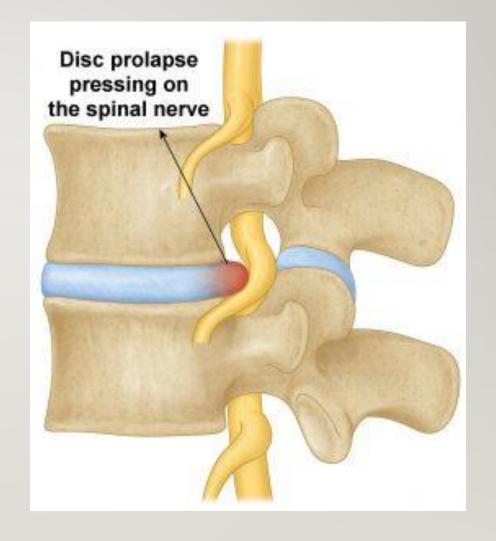


ANNULAR TEAR





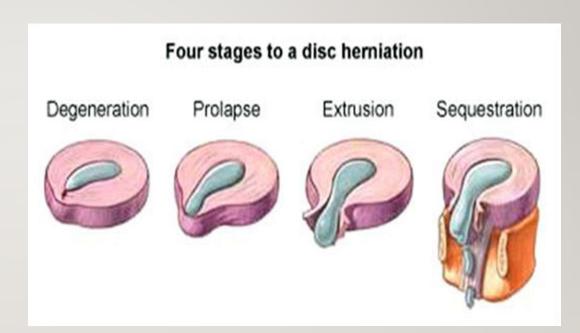
DISC PROLAPSE



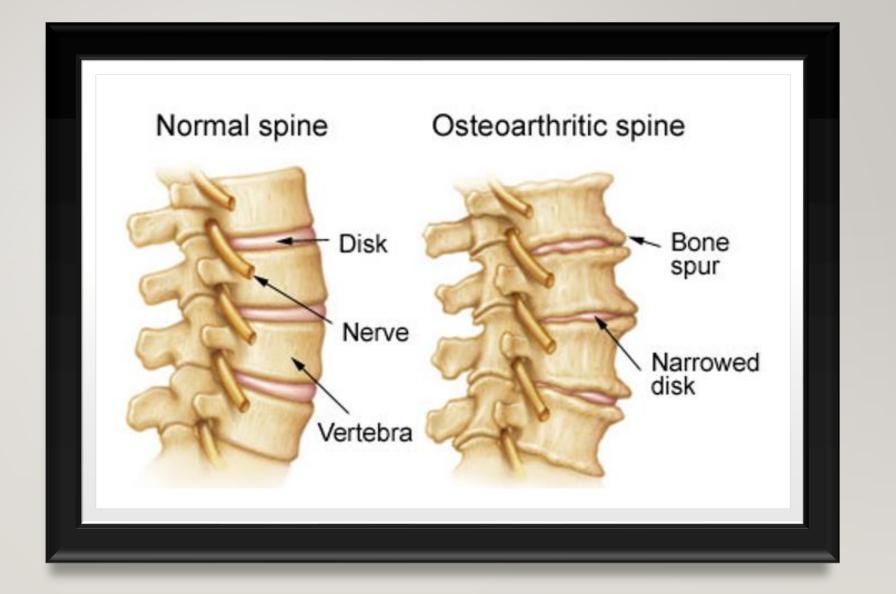
DISC PROLAPSE



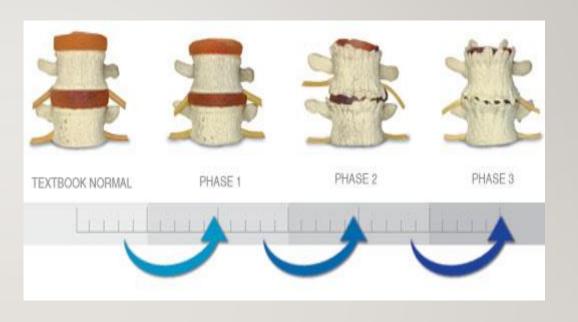
DISC HERNIATION



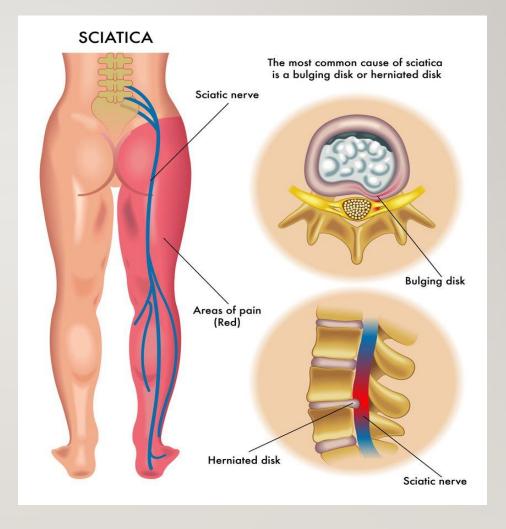
DISC DEGENERATION



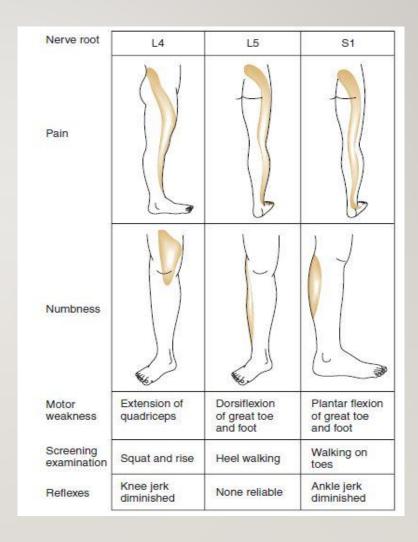
DISC DEGENERATION



SCIATICA



BACK PHYSICAL EXAMINATION



STRAIGHT LEG RAISING



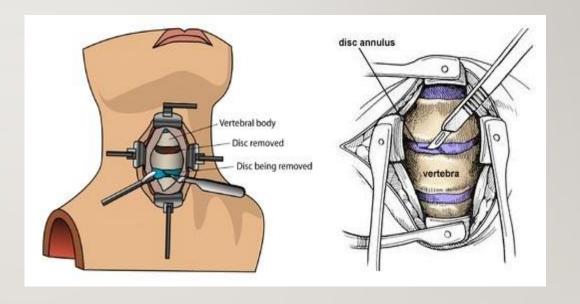
PHYSIO
ACUPUNCTURE
OT
CHIROPRACTIC
MASSAGE
EXERCISE.....



PAIN RELIEF

- Paracetamol
- Muscle relaxants
- Anti-inflammatories
- Panadeine
- Tramadol
- Pregabalin, duloxetine

DISCECTOMY



DISC REPLACEMENT

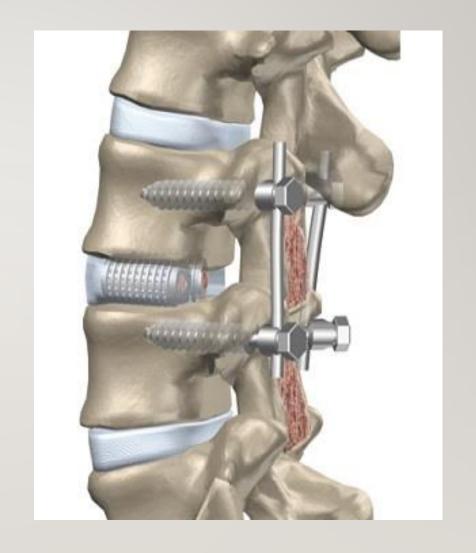




COMPLICATIONS



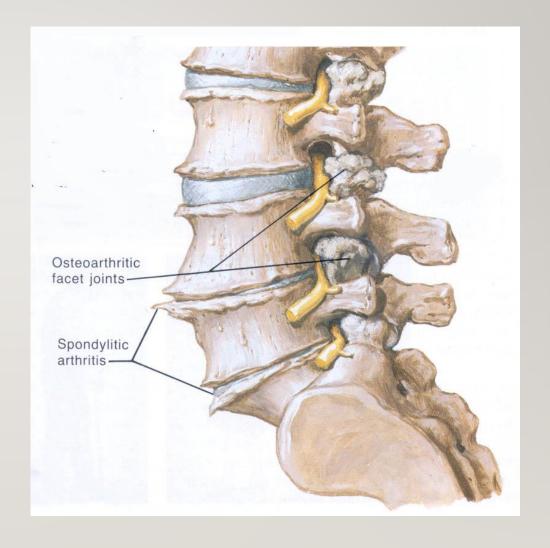
FUSION



RODS AND SCREWS



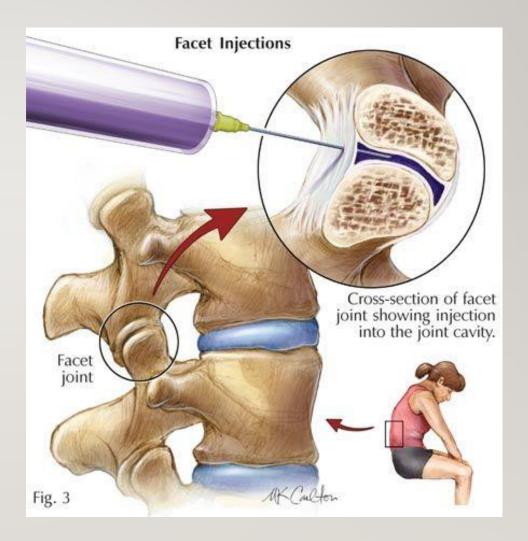
SPONDYLOSIS



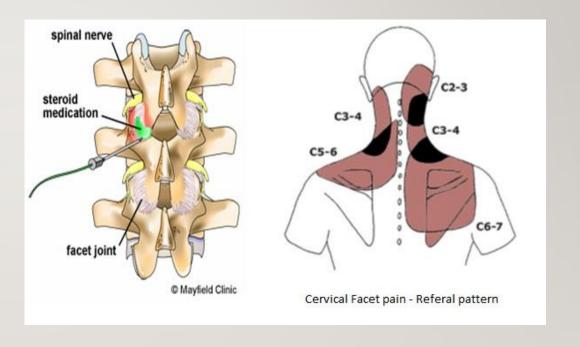
SPONDYLOSIS MRI SCAN



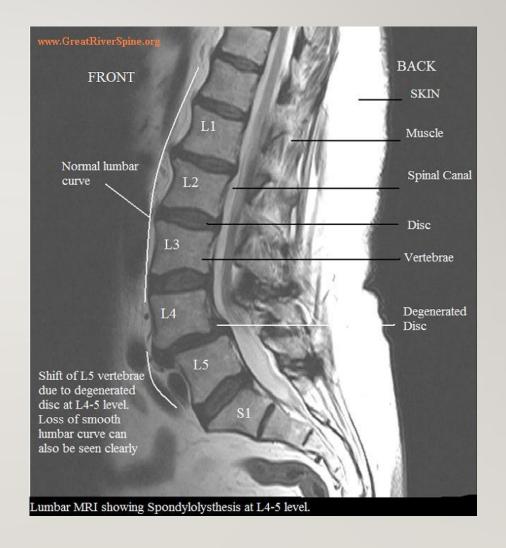
FACET JOINT



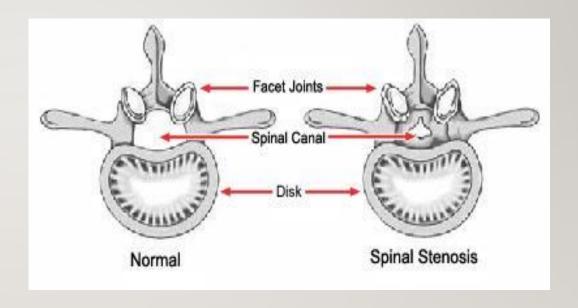
FACET JOINT INJECTION



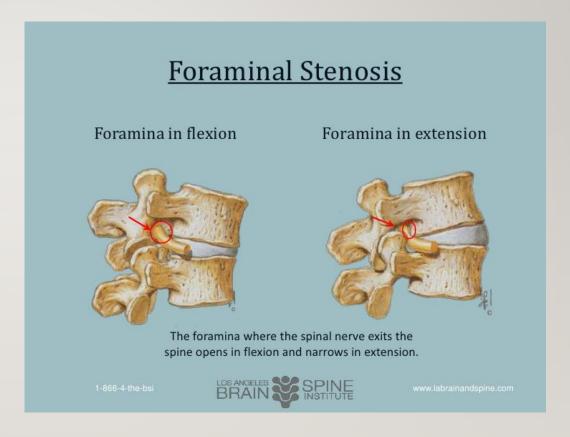
SPONDYLOLISTHESIS



CENTRAL STENOSIS



FORAMINAL STENOSIS



BACK PAIN



POSTURE



WEIGHT



OBESITY





DAILY ACTIVITIES



Ergonomics for desk work

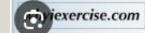
Rotate your screen back all the way so you don't have to look as far downward.

Place a stand under your laptop.

Nod slightly and look downward instead of bending your neck excessively.

Sit tall: Expand your chest and roll your hips forward.

Feet flat on the floor.



Top 7 Tips to Prevent Lower

Back Pain



GOOD POSTURE

The first step is to become aware of your body so when you're holding yourself stiff you instantly recognize the tension in your muscles. Standing or sitting, you should put minimal strain on the muscles of your lover back by pressuring the spine's halturol curve.



MAKE THE RIGHT MOVES

Lift using your leg muscles, not your orms and back. If you need to pick up something heavy like a gracery bag or a packed suitcase, bend at your knee and lift it, keeping your back straight.



LEVEL OF HEIGHT

Bring your work, food, or book to a position that allows you to keep your eyes straight chead and your head high, and that does not require you to crone your neck forward.



SLEEP RIGHT

Avoid sleeping on your stomach. When the stamach sags downward, it tends to arch your back, increasin the lumbar curve and your pain.



DROP THE LOAD

If you are overweight, try to lose the extra load on your back. Keep at bay the patielly that adds to the strain or your back.



TAKE A BREAK

Don't sit tight, and avoid sitting in a chair for langer than 30 minutes at a time, get up and move cround. Dan't sit with a flat wallet in your back packet.

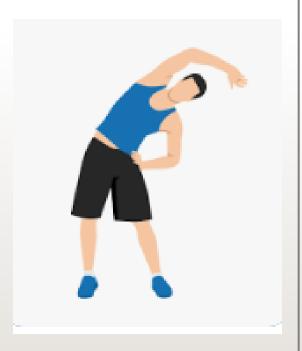


PERFORM BACK STRENGTHENING EXERCISES

If done religiously, these exercises can give your book muscles strength, feedstilly and range of motion. Beginners can make use of weightlitting batts to avaid straining their lower back.











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