



AAS

Association for
Academic Surgery

Global Surgery Research: 5W1H

Mamta Swaroop, MD FACS
Associate Professor of Surgery
Director, Center for Global Surgery
Global Surgery Program Director
Division of Trauma & Critical Care
Northwestern University

Sanjay Krishnaswami MD FACS FAAP
Professor of Surgery and Pediatrics
Vice Chair- Surgical Quality & Operations
Program Director, Pediatric Surgery Fellowship
Doernbecher Children's Hospital
Oregon Health and Science University

Disclosures

- We have no relevant financial relationships to disclose as it pertains to the content of my presentation.

Outline

- What is AGS?
- When to start?
- How to find resources?
- With whom to set up collaborations?
- Where to present & publish?
- Why?



What is AGS?







Academic Promotion for Global Surgeons

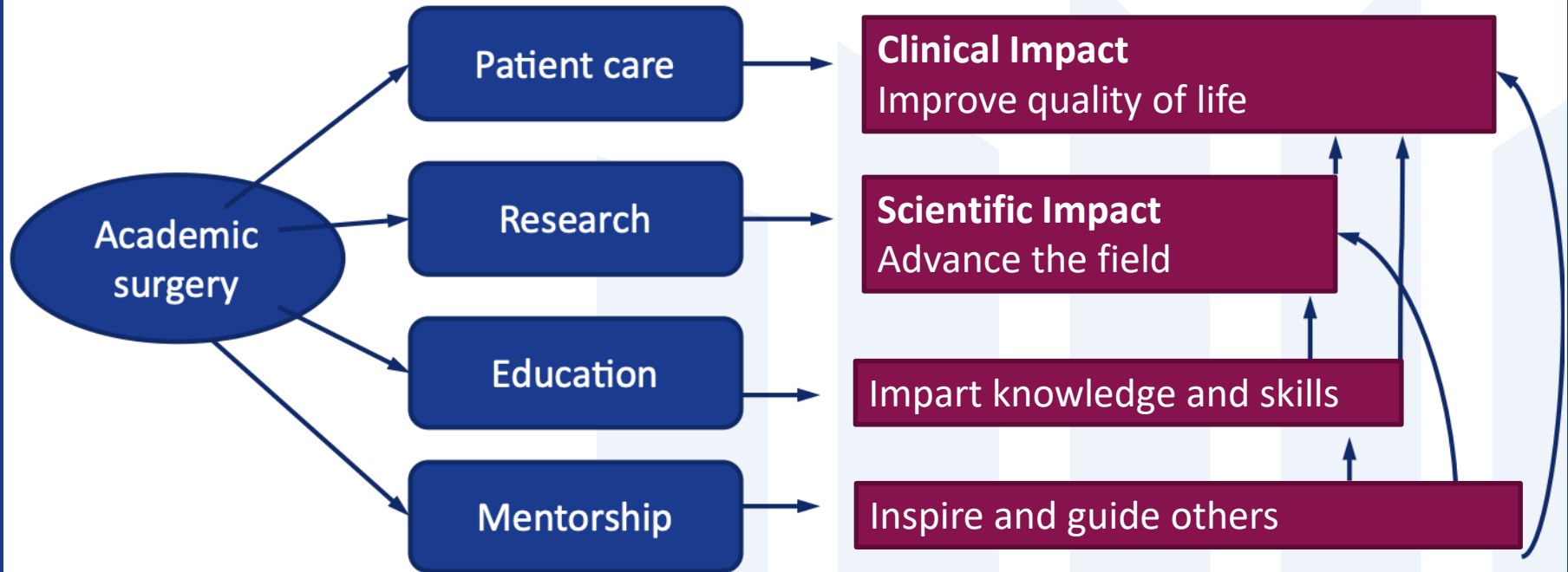
Surgery: Definition?

- *n.* the branch of medicine concerned with the treatment of bodily injuries or disorders by incision or manipulation.



The Oxford Dictionary

Academic Surgery



Proposed dictionary definition

n. involves the application of research, education and evidence-based advocacy toward clinical, surgical care in regions of health inequities.



When to start?



THE FUTURE
DEPENDS
ON WHAT YOU DO
TODAY

-Mahatma Gandhi

FEARLESS MOTIVATION - ITUNES, SPOTIFY

Can I get promoted in AGS?

YES

What is the key? Where is it hidden?

Virtually identical as other pathways

TABLE 1. Criteria for Promotion in Global Surgery

Criteria Similar to Usual Promotion Criteria

	Education	Training students, residents, or other trainees from the HIC institution on site in LMIC partner institution.
	Research publications	Publications in global surgery would be equally valued as other publications.
	Administration	Administering/directing the HIC institution's side of formal exchange programs or other global surgery activities (eg, global surgery track in a residency).
Criteria undervalued in current promotion criteria	Clinical care	Clinical care at LMIC partner institution should be considered; if it is part of partnerships upon which other global surgery activities (eg, training of HIC country trainees, or research) depend.
	Education	Training of LMIC trainees, if it contributes to partnerships.
	Research-funding	Given currently minimal funding and given how effective even small amounts can be in low-resource settings, small grants are more likely to advance the field and hence should be more highly valued.
Criteria that should not be considered	Administration	If part of building partnerships.
	Clinical care	Mission trips or other clinical work that are not otherwise linked to funding, training, research, or building partnerships.



HIC indicates high-income country. HIC institution would usually be the institutional home of the faculty member being considered for promotion.

Path to Promotion: Telling a Story

- Develop expertise
- Aim for impact
- Leave a trail



Developing Expertise

- **Get connected**
 - Individual Global Surgeons
 - Societies
- **Develop an interest...Find YOUR Why**
- **Read cardinal literature & consider further education**
 - Lancet Commission/DCP3/WHA Resolutions
 - M.P.H./Masters Global Health/M.Ed.



ed

WHA Resolutions & Surgical Care

- May 24, 2014, the 67th WHA adopted **Resolution 67.15**: Strengthening the role of the health system in addressing violence, in particular against women and girls, and against children



EXECUTIVE BOARD
136th session
Agenda item 10.1

EB136/CONF./1
26 January 2015

Strengthening emergency and essential surgical care and anaesthesia as a component of universal health coverage

**Draft resolution proposed by Australia, Kenya, Monaco, Nigeria,
Rwanda, Senegal, Ukraine, United States of America and Zambia**



WHA Resolutions & Surgical Care

- May 27, 2019: the 72nd WHA adopted, **Resolution 72.31: Emergency and trauma care: Emergency care systems for universal health coverage: ensuring timely care for the acute ill and injured.**

Official Side Event of the 72nd World Health Assembly

**Emergency care systems for universal health coverage:
ensuring timely care for the acutely ill and injured**



Aiming for Impact



Broad

Focused

Specific

Descriptive

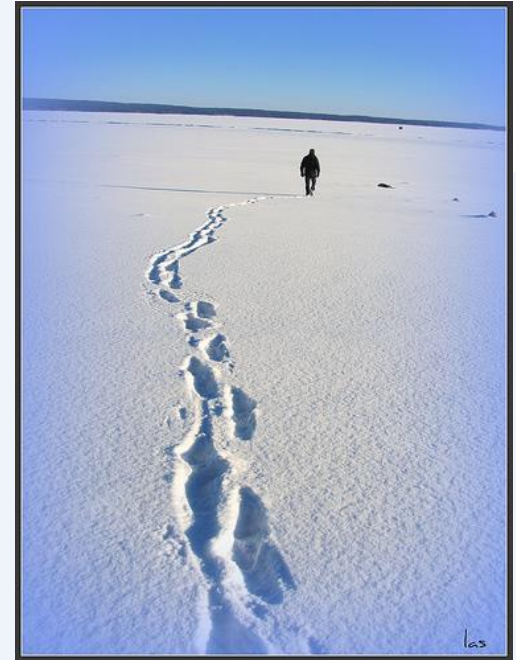


Analytic/Comparative

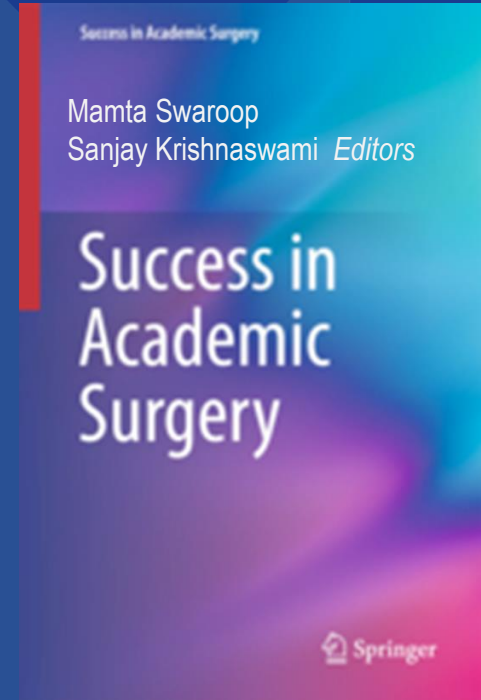


Interventional

- **Leave a Trail: Develop Longitudinal Relationships**
 - Clinical: return to same place(s), develop programs
 - Education: facilitate peer-to peer teaching, exchange faculty
 - Research: Publish **COLLABORATIVELY** (WJS/JSR/Surgery/Lancet) and promote bilateral exchange

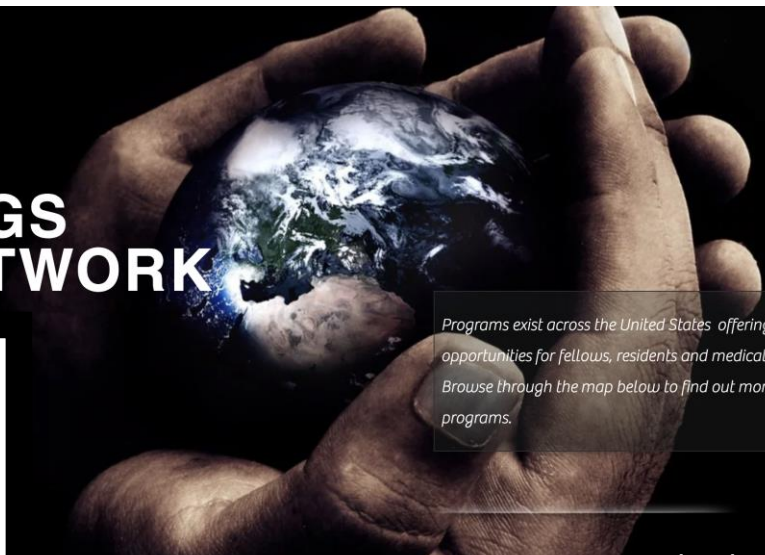


How to find resources?



Training

CAGS NETWORK



Programs exist across the United States offering Global Surgery opportunities for fellows, residents and medical students. Browse through the map below to find out more about these programs.



www.incisionnetwork.org

[global-surgery.org](http://www.global-surgery.org)

RASACS Global Surgery Workgroup

Young surgeons passionate
about global surgery



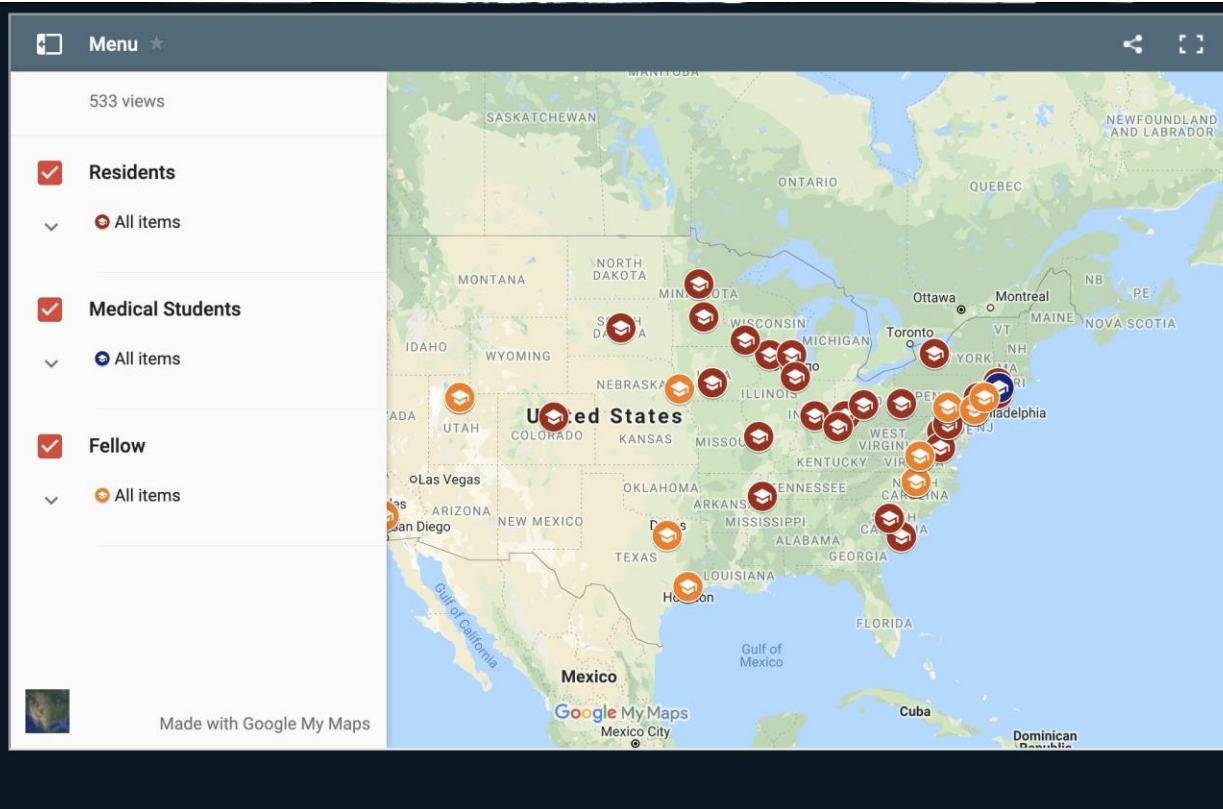
facs.org/member-services/ras

Training

CAGS MAP

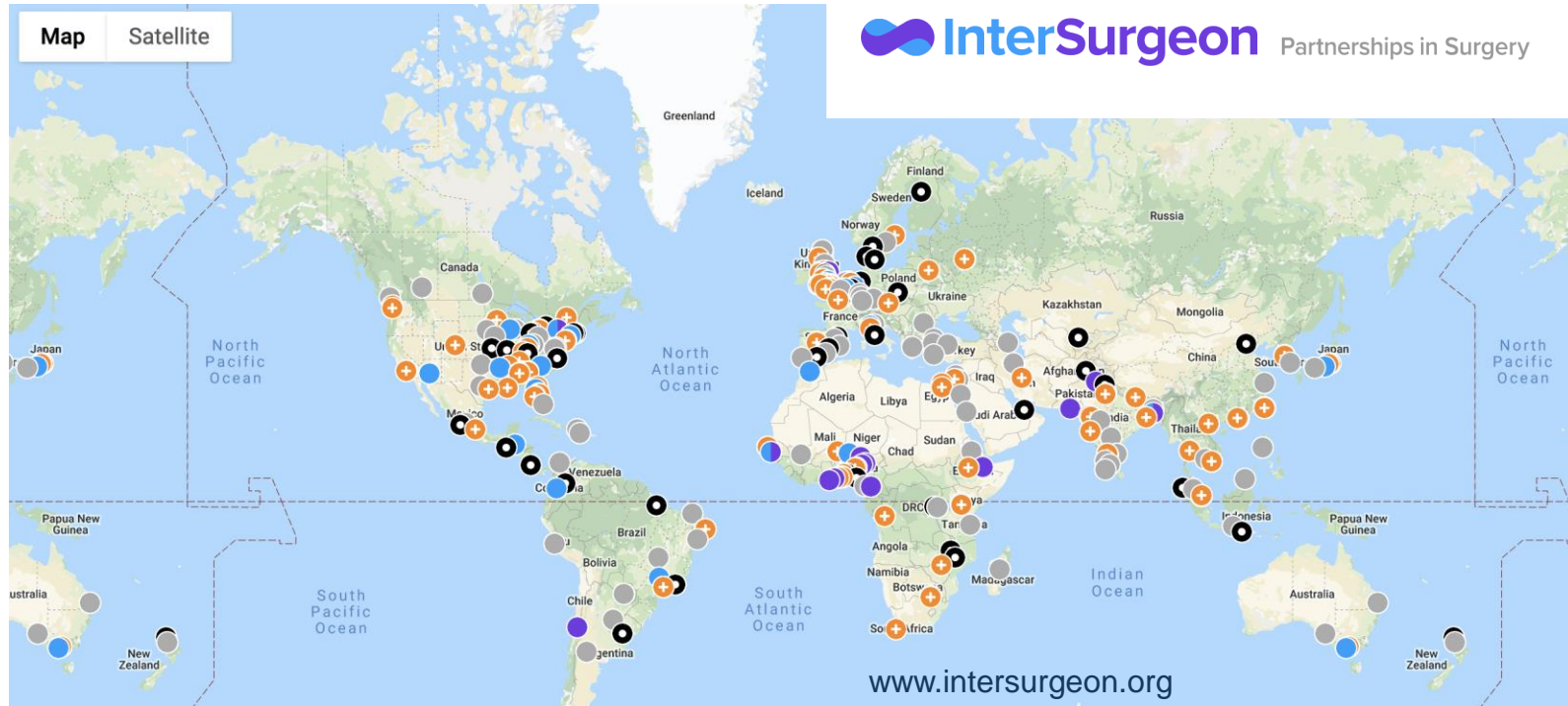
Click on the button next to menu to view available options for fellows, residents and medical students.

The map will populate as more programs establish themselves and institutions join the CAGS

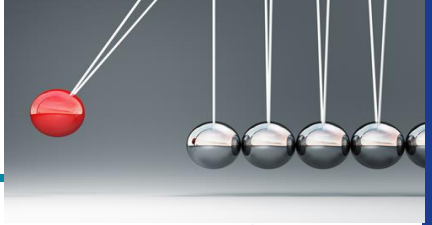


The screenshot displays the CAGS MAP interface. On the left, a 'Menu' sidebar shows three categories: 'Residents' (checked), 'Medical Students' (checked), and 'Fellow' (checked). Each category has a dropdown arrow and a radio button labeled 'All items'. The main map area shows the United States with numerous orange and red circular markers containing a graduation cap icon, representing CAGS programs. The map is titled 'United States' and includes labels for various states and provinces. At the bottom, it says 'Made with Google My Maps'.

Training



Measuring Impact



Funding is an indication

- Traditionally hard to find but expanding
 - (MEPI/Fogarty Center/NCI/intramural/Gates Foundation?)
- Intramural Sources count-especially early on
- Secure funding for trainees
- Society Grants

Make it locally relevant-parallel projects

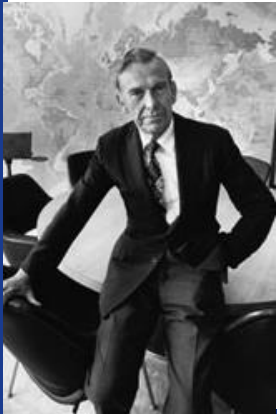
- Education of foreign/domestic trainees
- Quality Assurance in resource-poor settings



With whom to set up collaborations?



"Surgery clearly has an important role to play in primary health care...these are high priority matters for everybody (yet), the vast majority of the world's population has no access whatsoever to skilled surgical care and little is being done to find a solution."



-Dr. Halfdan Mahler, Director-General, WHO,
"Surgery and Health for All", 1980

**IGNITE YOUR
PASSION AND
FIND YOUR
CALLING**

PICTUREQUOTES.com

What burns you? What ignites you?

Defining Yourself



Where to present & publish?

Present, PRESENT, PRESENT!



AMERICAN COLLEGE OF SURGEONS
*Inspiring Quality:
Highest Standards, Better Outcomes*

100+years



THE AMERICAN ASSOCIATION FOR THE
SURGERY OF TRAUMA
*ADVANCING TRAUMA AND ACUTE CARE SURGERY THROUGH
COMPASSION, DISCOVERY, AND DEDICATION*



INTERNATIONAL SOCIETY OF SURGERY (ISS)
SOCIÉTÉ INTERNATIONALE DE CHIRURGIE (SIC)

WCS 2019

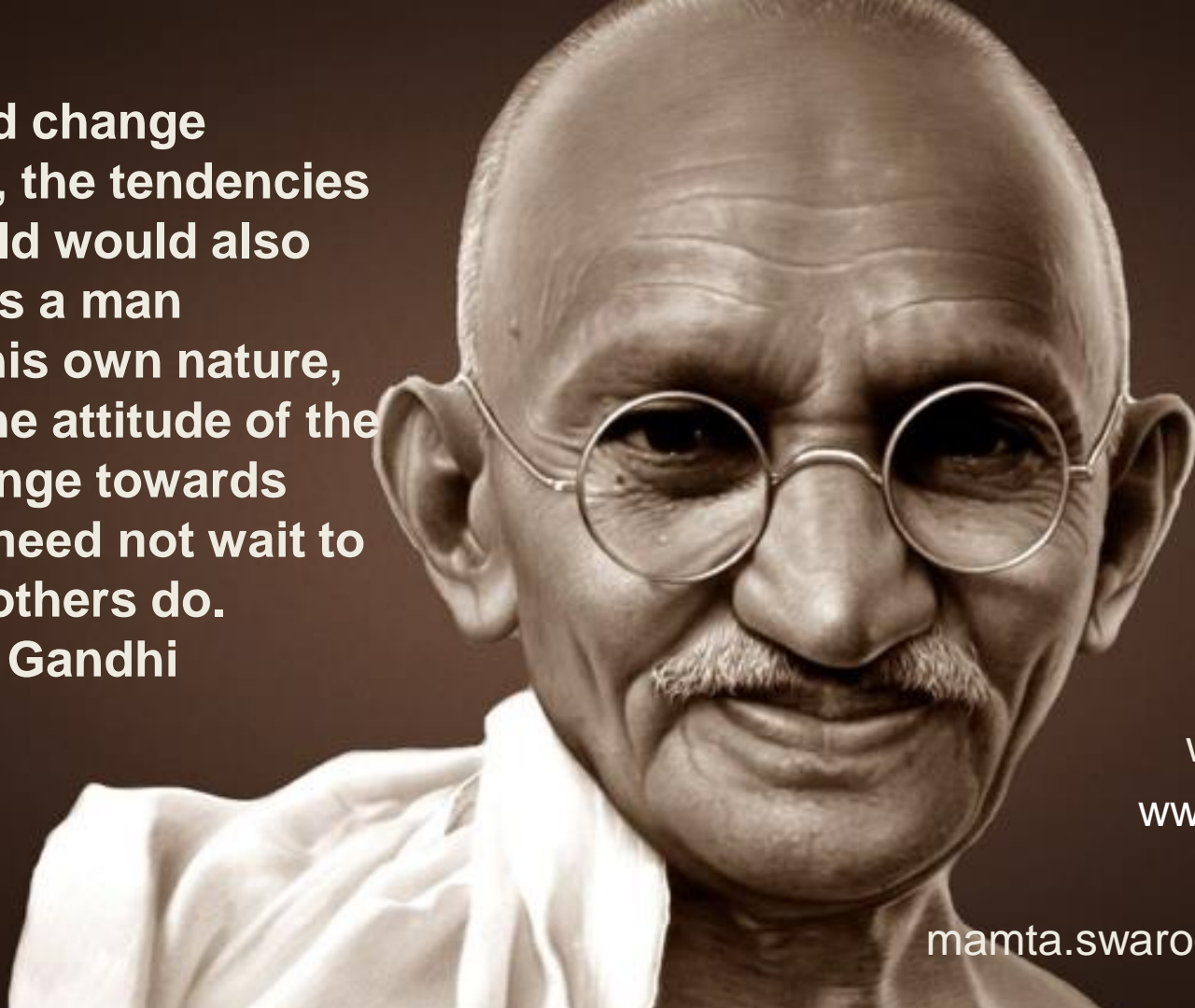
Why?

What ignites you
to be the change...

—

This is a burgeoning field that perfectly marries philanthropy and academic discovery with surgery!

**If we could change ourselves, the tendencies in the world would also change. As a man changes his own nature, so does the attitude of the world change towards him...We need not wait to see what others do.
-Mahatma Gandhi**



www.ntsi.global
www.sadanah.org
[@MamtaSwa](https://www.instagram.com/MamtaSwa)
mamta.swaroop@gmail.com