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(Original Signature of Member)

115TH CONGRESS
1ST SESSION

H. R. _____

To amend title 10, United States Code, to require the Secretary of Defense to use only human-based methods for training members of the Armed Forces in the treatment of severe combat injuries.

IN THE HOUSE OF REPRESENTATIVES

Mr. JOHNSON of Georgia introduced the following bill; which was referred to the Committee on _____

A BILL

To amend title 10, United States Code, to require the Secretary of Defense to use only human-based methods for training members of the Armed Forces in the treatment of severe combat injuries.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Battlefield Excellence
5 through Superior Training Practices Act” or “BEST
6 Practices Act”.

1 **SEC. 2. FINDINGS.**

2 Congress makes the following findings:

3 (1) The Department of Defense has made im-
4 pressive strides in the development and use of meth-
5 ods of medical training and troop protection, such as
6 the use of tourniquets and improvements in body
7 armor, that have led to decreased battlefield fatali-
8 ties.

9 (2) The Department of Defense uses more than
10 8,500 live animals each year to train physicians,
11 medics, corpsmen, and other personnel methods of
12 responding to severe battlefield injuries.

13 (3) The civilian sector has almost exclusively
14 phased in the use of superior human-based training
15 methods for numerous medical procedures currently
16 taught in military courses using animals.

17 (4) Human-based medical training methods
18 such as simulators replicate human anatomy and
19 can allow for repetitive practice and data collection.

20 (5) According to scientific, peer-reviewed lit-
21 erature, medical simulation increases patient safety
22 and decreases errors by healthcare providers.

23 (6) The Army Research, Development and En-
24 gineering Command and other entities of the De-
25 partment of Defense have taken significant steps to

1 develop methods to replace live animal-based train-
2 ing.

3 (7) According to the report by the Department
4 of Defense titled “Final Report on the use of Live
5 Animals in Medical Education and Training Joint
6 Analysis Team”, published on July 12, 2009—

7 (A) validated, high-fidelity simulators were
8 to have been available for nearly every high-vol-
9 ume or high-value battlefield medical procedure
10 by the end of 2011, and many were available as
11 of 2009; and

12 (B) validated, high-fidelity simulators were
13 to have been available to teach all other proce-
14 dures to respond to common battlefield injuries
15 by 2014.

16 (8) The Center for Sustainment of Trauma and
17 Readiness Skills of the Air Force exclusively uses
18 human-based training methods in its courses and
19 does not use animals.

20 (9) In 2013, the Army instituted a policy for-
21 bidding non-medical personnel from participating in
22 training courses involving the use of animals.

23 (10) In 2013, the medical school of the Depart-
24 ment of Defense, part of the Uniformed Services

1 University of the Health Sciences, replaced animal
2 use within its medical student curriculum.

3 (11) The Coast Guard announced in 2014 that
4 it would reduce by half the number of animals it
5 uses for combat trauma training courses but stated
6 that animals would continue to be used in courses
7 designed for Department of Defense personnel.

8 (12) Effective January 1, 2015, the Depart-
9 ment of Defense replaced animal use in six areas of
10 medical training, including Advanced Trauma Life
11 Support courses and the development and mainte-
12 nance of surgical and critical care skills for field
13 operational surgery and field assessment and skills
14 tests for international students offered at the De-
15 fense Institute of Medical Operations.

16 **SEC. 3. REQUIREMENT TO USE HUMAN-BASED METHODS**
17 **FOR CERTAIN MEDICAL TRAINING.**

18 (a) IN GENERAL.—Chapter 101 of title 10, United
19 States Code, is amended by adding at the end the fol-
20 lowing new section:

21 **“§ 2017. Requirement to use human-based methods**
22 **for certain medical training**

23 “(a) COMBAT TRAUMA INJURIES.—(1) Not later
24 than October 1, 2020, the Secretary of Defense shall com-
25 plete the development, testing, and validation of human-

1 based training methods for the purpose of training mem-
2 bers of the armed forces in the treatment of combat trau-
3 ma injuries with the goal of replacing live animal-based
4 training methods.

5 “(2) Not later than October 1, 2022, the Secretary—

6 “(A) shall only use human-based training meth-
7 ods for the purpose of training members of the
8 armed forces in the treatment of combat trauma in-
9 juries; and

10 “(B) may not use animals for such purpose.

11 “(b) ANNUAL REPORTS.—Not later than October 1,
12 2018, and each year thereafter, the Secretary shall submit
13 to the congressional defense committees a report on the
14 development and implementation of human-based training
15 methods for the purpose of training members of the armed
16 forces in the treatment of combat trauma injuries under
17 this section.

18 “(c) DEFINITIONS.—In this section:

19 “(1) The term ‘combat trauma injuries’ means
20 severe injuries likely to occur during combat, includ-
21 ing—

22 “(A) hemorrhage;

23 “(B) tension pneumothorax;

24 “(C) amputation resulting from blast in-
25 jury;

1 “(D) compromises to the airway; and

2 “(E) other injuries.

3 “(2) The term ‘human-based training methods’
4 means, with respect to training individuals in med-
5 ical treatment, the use of systems and devices that
6 do not use animals, including—

7 “(A) simulators;

8 “(B) partial task trainers;

9 “(C) moulage;

10 “(D) simulated combat environments;

11 “(E) human cadavers; and

12 “(F) rotations in civilian and military trau-
13 ma centers.

14 “(3) The term ‘partial task trainers’ means
15 training aids that allow individuals to learn or prac-
16 tice specific medical procedures.”.

17 (b) CLERICAL AMENDMENT.—The table of sections
18 at the beginning of chapter 101 of title 10, United States
19 Code, is amended by adding at the end the following new
20 item:

“2017. Requirement to use human-based methods for certain medical training.”.