

Supplementary Information

Additional file 1:

Table S1. Detailed content of classification

Table S2. Global Quality Score (GQS) scoring standard..

Table S3. Modified DISCERN (mDISCERN) scoring standard.

Table S4. Journal of the American Medical Association (JAMA) Benchmark Criteria .

Table S1 Detailed content of classification.

Uploader identity	
Medical professionals	Clearly identify accounts as those of doctors, nurses, hospitals, public health institutions, etc.
News media	Certified media accounts, government health agencies, non-profit organizations, universities, etc.
Commercial organisations	For-profit entities such as pharmaceutical companies, medical device companies, and health supplement companies
Individual users	General users without medical background, patients and their families, science communicators, etc.
Video themes	
Disease education	It covers definitions, etiologies, epidemiology, risk factors, symptoms, etc.
Lifestyle intervention	Including diet, exercise, weight loss, smoking cessation and moderate alcohol consumption, stress management, etc.
Drug treatment	Including the types of drugs, usage methods, side effects, precautions, etc.
Disease monitoring	Home blood pressure monitoring, self - monitoring of blood glucose, regular follow - up, etc.
Complication prevention	Prevention and management of complications in the heart, brain, kidneys, eyes, feet, etc.
Experience sharing	Sharing of patients' or their families' personal experiences, emotional journeys, and management skills

Table S2. Global Quality Score (GQS) scoring standard. (Scoring ranges from 1 to 5)

Score	Description
1	1.Poor quality, poor flow of the site, most information missing, not at all useful for patients
2	2.Generally poor quality and poor flow, some information listed but many important topics missing, of very limited use to patients
3	3.Moderate quality, suboptimal flow, some important information is adequately discussed but others poorly discussed, somewhat useful for patients
4	4.Good quality and generally good flow, most of the relevant information is listed, but some topics not covered, useful for patients
5	5.Excellent quality and excellent flow, very useful for patients

Table S3. Modified DISCERN (mDISCERN) scoring standard. (1 point for answer ‘yes’, 0 point

for answer 'no')

Description

1. Is the video clear, concise, and understandable?
 2. Are valid sources cited?
 3. Is the content presented balanced and unbiased?
 4. Are additional sources of content listed for patient reference?
 5. Are areas of uncertainty mentioned?
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Table S4 Journal of the American Medical Association (JAMA) Benchmark Criteria

Score	Description
0 or 1	1. Authorship: Author and contributor credentials and their affiliations should be provided.
0 or 1	2. Attribution: Clearly lists all copyright information and states references and sources for content.
0 or 1	3. Disclosure: Conflicts of interest, funding, sponsorship, advertising, support, and video ownership should be fully disclosed.
0 or 1	4. Currency: Initial date of posted content and subsequent updates to content should be provided.
