Poliomyelitis after Poliomyelitis: Lights and Shadows of the Eradication
an Introduction

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Introduction

In October of 2013 the European Centre for Disease Prevention and Control raised the alarm about the possibility of the reintroduction of the polio virus in the European Region: Syria, a country absent poliomyelitis cases since 1995, presented new cases due to the deterioration of the health conditions during the internal armed conflicts. This situation brought about the reappearance of the wild poliovirus type 1 in Israel, which as qualified in the scientific literature as a “silent reintroduction”.

The European Region (according to the classification of the WHO) had obtained the eradication certificate for poliomyelitis in 2002, which is why the reappearance of the virus on the shores of the Mediterranean has posed serious questions and reflection about the eradication plan and old fears have resurfaced in
Occidental society towards an illness that, although it was far too easily forgotten, left a lasting impression on the central decades of the 20th century.

Poliomyelitis is an infection which is produced by an enterovirus, of the picornaviridae family, denoted poliovirus and having 3 different serotypes (named 1, 2 and 3). Although 95% of infections proceed asymptptomatically and create immunity in the individual, the remaining cases can produce an effect in the central nervous system, and even, a destruction of the motor neurons which leads to paralysis, especially of the extremities and preferentially the lower ones. This form of Poliomyelitis called paralytic, and is seen in only 0.1% of cases of infection by poliovirus and its most serious form is when it affects the respiratory, intercostals and the diaphragm musculature and causing death if patient is not put on mechanical ventilation. It was precisely the paralytic form in children for which no immunity had been developed which gave the illness a particular significance in demolishing the dream of an invulnerable first world society, stigmatized several generations with sequelaes which changed the way people with motor disabilities were viewed and how they saw themselves, something that permitted, finally, to go beyond the medical model of disability. The cultural imprint was accompanied by iconic elements such as the iron lung which joined the orthopedic devices with which they hoped to return their gait, as well as a definitive association between vaccination and childhood.

Despite the existence of references throughout the history of humanity, it didn’t evolve epidemically until the contemporary period and especially the 20th century, paradoxically in the countries with the most developed Health Services and lower child mortality – known as Payne’s Phenomenon – given that contact with the poliovirus was belatedly produced when the child found itself unprotected by the immunity provided by breast feeding. Between 1921 and 1955 an expansion was

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5 The two major references for the general history of polio are: John R. Paul, *A History of Poliomyelitis* (New Haven, 1971); Mathew Smallman Raynor and Andrew D. Cliff, *Poliomyelitis: Emergence to Eradication* (Oxford, 2006). The most relevant focus in the history of polio has been North America, and especially the United States, where it is necessary to highlight the monographs by Naomi Rogers, *Dirt and Disease: Polio before FDR* (New Brunswick, 1992) and David M. Oshinsky, *Polio: An American Story* (New York, 2005). Other works will be cited in the next pages.


7 It is obligatory in any history of poliomyelitis to include the image of the Egyptian monument of Roma, priest of Astarte, which exhibits a characteristic poliomyelitis leg. Dating from the 18 dynasty, between 1403 and 1365 approximately around the reign of Amenophis III.
witnessed, reaching its peak in the second half of the 50s and beginning of the 60s. \textsuperscript{8} This tendency was reverted thanks to the appearance of 2 types of vaccine.

The injectable vaccine by Jonas Salk (which contained an inactivated virus: IPV) provided the first effective intervention in the halting of the epidemic since the great campaign carried out in the United States in 1955. \textsuperscript{9} However, to achieve a collective immunity and interrupt the transmission of the wild poliovirus, an attenuated vaccine was necessary – like that investigated by Hilary Koprowski\textsuperscript{10} – which while containing a minimum risk of producing the illness (VAPP), it also had the clear advantage of being able to transmit the immunization passively to unvaccinated people if a high enough percentage of the population was reached. In this way, fundamentally through the investigations of Albert Sabin, results were seen, at the end of the 50s, diverse oral vaccination (OPV) campaigns which owing to its form of administration, were easier to apply, more economical, produced intestinal immunity and allowed the multiplication and excretion of the vaccine virus with the effect of group immunization\textsuperscript{11}.

Humans being the only reservoir for poliomyelitis meant that the appearance of this attenuated oral vaccine made the eradication of said virus possible. The global projects of the WHO had a singular aim in the Expanded Program on Immunization (EPI), started in 1974, with the objective of vaccination availability

\textsuperscript{8} \textit{Mathew Smallman-Raynor and Andrew D. Cliff, Poliomyelitis: Emergence to Eradication} (Oxford, 2006), pp. 187–428.

\textsuperscript{9} Jonas Salk and his discovery have occupied a preferential place in scientific biographies, neighboring sometimes in the hagiography: the historic moment of the appearance of the vaccine, its interpretation in key policy (compared to vaccines such as Sabin’s, linked to the sphere of socialist countries), the renounce of the rights of patent, the results obtained in the USA or , even the empty space left in the pantheon of live scientist after the death of Alexander Fleming in 1955, are some of the elements to understand how his figure has eclipsed the other investigators.


in every country. The success of Smallpox eradication encouraged the implementation of even more ambitious plans: in 1982, James P Grant motivated by UNICEF “The Child Survival Revolution”, supported by GOBI (an acronym of 4 interventions in child health, hose letter “I” corresponded to” immunization”) and in 1988, the 41st World Health Assembly began the Global Polio Eradication Initiative (GPEI), a resolution with the aim of poliomyelitis eradication by the year 2000 and in answer to the private initiative set up three years earlier by Rotary International: The Polioplus Program. The magnitude of the project required the participation of various state and private bodies. Successes and errors of provision aside, its presence continues with the goal of world health.

Nevertheless, the particular characteristics of the poliomyelitis virus and the oral attenuated virus vaccine not only promoted the eradication but have also obligated us to reconsider some concepts: despite the elimination of the wild poliovirus in vast geographical areas, it is difficult to consider the eradication if vaccine-derived poliovirus still circulate which are capable of producing new infections and, even epidemic outbreaks. The advent of the artificial synthesis of polio by Wimmer, Cello and Paul, who reconstructed it in vitro from sequential elements of oligonucleotides, incorporated a new element into the debate. Control, elimination, eradication and extinction take on nuances in which a world without the polio virus, a definite “endgame” appears difficult to envision.

Chronologies of Polio: Beyond the Epidemiological Perception

In an attempt to understand the evolution of poliomyelitis on a global scale, a variety of authors have coincided in establishing, at least, five stages: one, prior to

12 Attaining the eradication certificates in the different regions of the WHO also points to a chronology of success: 1994 (South American Region), 2000 (Western Pacific Region), 2002 (European Region) and 2014 (Southern Asian Region). The disappearance of wild poliovirus 2 and currently of type 3, indicates significant advances.

13 The eradication programs were set up with fixed dates and deadlines to achieve said objectives, but have had to be systematically postponed.


the epidemics (until 1880), followed by another period of appearance of localized epidemic outbreaks (until 1920) and a subsequent stage of increase and global expansion that ran until 1955 at the moment that Jonas Salk’s vaccine permitted the dawning of a new era known as retreat.17 For the Geographers Smallman-Raynor and Cliff, this would last until 1988, the year in which the aforementioned WHO program gave rise to a period with global eradication still inconclusive. However, for the microbiologists/virologists Nathanson and Kew other phases are distinguished: 1973 would bring to a close an emblematic stage (the eradication of the wild poliovirus in the United States), followed by a lengthy period, until the year 2000, of progress towards global eradication. A phase of challenges to the eradication arose in the years 2000 to 2010 and since the year 2000 a period characterized by problems derived from the oral vaccine has been established.18

It is an undeniable fact the usefulness of this chronology, structured by epidemiological data, which allows us to identify endemism, increase or remission and link them to specific interventions mediated by the public health policies. However, as has been demonstrated, poliomyelitis is far more than an infection, due to its cultural impact (and economic) of its paralytogenics effects in the infant population. As such, other possible approaches exist because—as written by Jan Sundin in the first issue of this magazine—the history of Public Health is an interdisciplinary field that goes beyond approximations exclusively demographic and epidemiological.19 The constructivist vision provokes us to consider elements which would allow the establishment of different chronologies as a function of the social and cultural significance of polio in the West.

The great polio epidemics, especially those of the 40s to the 60s, mark the turning point in the social consideration of polio. Previously, before these epidemics, polio had been the source of attention for the scientific community, but—only since the epidemic outbreaks in the countries of North America and Europe—did poliomyelitis become part of the social imaginary as an illness associated with childhood and motor disability, the price of prosperity and progress (the “middle class plague”), the fear of the illness and the behavior patterns characteristics of epidemics as analyzed by Rosenberg.20

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17 Mathew Smallman-Raynor and Andrew D. Cliff, Poliomyelitis: Emergence to Eradication (Oxford, 2006).
The appearance of the vaccines of Salk and Sabin rapidly changed this perception, and in spite of sporadic incidents (like the Cutter case), their convincing results restored confidence in science stuffed with triumphalism. From this moment onwards the struggle against polio is not only an objective of the Public Health system assumed by the State, but by a united public, who made it their responsibility to ensure the correct implementation of the vaccination guidelines, bearing in mind the relationship between vaccination and infancy.

The initial optimism lead many countries to set elimination deadlines for polio, internationally shared. This phase offered a major disparity between what the scientific community and the national and international bodies considered with respect to polio and what the public perceived, because polio at that time was only visible through the consequences it produced and not through the surfacing of new cases. Public Health policies were put to the test during this period, when the illness began to associate itself with poverty stricken areas, economically downtrodden or segregated for other reasons social groups, with restricted access to sanitary services and lacking in health education. In the social imaginary the significance of polio changed rapidly, and despite the marked persistent fear of the same, the illness changed its sense, taking on characteristics which associated it with “the others”.

This perception was emphasized when polio was considered to be an eradicable disease and global programs were started for this end. The receipt of certificates of eradication ratified the progressive introduction of the idea that polio is an “other people” illness that belongs in far away regions of the world, a distant illness tied to poverty and non-culture; polio as a developing countries illness. Those countries are often referred to as needy recipients of international assistance (with scare questioning of the ways of the same) and habitually are perceived as threatening a reintroduction of the virus in the West. However, for society as a whole the onset of a rapid forgetfulness of poliomyelitis has grave consequences such as the appearance of anti-vaccinationist tendencies, the invisibility for people suffering the consequences of polio and the difficulties in the recognition of post-poliomyelitis syndrome and the denial of the rights of those afflicted by it.

The Problems of Polio

Poliomyelitis offers itself as an opportunity to examine the role of history in public health.\(^\text{22}\) One of the most significant examples in history and its methods as tools


\(^{22}\) Virginia Berridge, “History in Public Health: a New Development for History?”, Hygieia Internationalis, 1(1) (1999), 23–35. E. Perdiguerio, J. Bernabeu, R. Huertas, E. Rodríguez-
for public health constitutes the previously quoted work of deconstruction of the epidemiology of poliomyelitis carried out by Nathanson and Kew, in which the analysis of long epidemiological series and of the abundant scientific literature generated allowed them to identify the principal problems in the understanding of the infection, its epidemics and the fight against them. Starting from a chronology which clarifies the last ten years in different phases marked by the consequences of the vaccinations, the authors proposed seven questions for the understanding of polio for which they then searched for answers. Some of them allowed a connection to be formed between the articles in the present dossier and problems present in the struggle against polio.

One of the conditions which has determined the greater or lesser possibility of eradication of the polio virus has been the seasonality. Tropical climates allow for much longer periods when the transmission of the virus flourishes and in competition with other enteroviruses, at the time that the attenuated oral vaccine was at that moment more temperature sensitive than in the present. That presented major difficulties in many countries for immunization of the population only through the system of campaigns and a greater risk of the reintroduction of the virus. The persistence of wild poliomyelitis would be determined by viral epidemiology (the absence of seasonality in tropical countries, the coexistence with diarrheal diseases, high density population and bad sanitary health services, which facilitates transmission), the failure of the oral vaccine (for its own coexistence with frequent diarrhea due to the enterovirus and for the lower efficiency of the trivalent inoculation) and finally, for the material difficulty of vaccination, but also for ideological resistance.

It still hasn’t been the object of an adequate historical analysis other than the problems identified by Nathanson and Kew and that which only begins to supply information in the present century. It deals with the epidemic outbreaks produced by the vaccine-derived poliovirus. Although the events in Egypt are documented since 1988, it will be the event on the island of Hispaniola (Haiti and the Dominican Republic), in 2000 and 2001, which is the first to arouse interest, while


the most serious are produced in Nigeria from 2005.\textsuperscript{24} We must realize that the cases of poliomyelitis which allowed the identification of these outbreaks were cases of poliomyelitis that proceeded with paralytic forms and it is estimated that the vaccine-associated paralytic poliomyelitis is one case in every 2.5 million administered doses, though the risk does rise by some two thousand times in situations of immunodeficiency.\textsuperscript{25} We would find ourselves therefore, with new forms of the poliovirus circulating which have recovered their virulence and infective capacity. The fact that the oral vaccine itself provides immunity from these derived-polioviruses directs the offense strategy to increase vaccination in order to achieved full coverage of the population.\textsuperscript{26} However, we now confront a new problem: the eradication of polio will not be so if we substitute the wild poliovirus for other vaccine-derived poliovirus. This leads the authors to consider the final problem, which will be the post-eradication strategy and which would have to go through a substitution of the oral vaccination for the dead virus injectable vaccine, more expensive and more complex in its administration, although all the research is currently directed towards obtaining a cheaper form, combined with other viruses and an intradermal application.

On the contrary, its epidemiological perspective leaves out of its objectives the analysis of one of the most serious problems currently in polio: its long term repercussions. Beyond the crippling immediate consequences produced by the virus, the awareness of the existence of post-polio syndrome confronts us with a reality with important public health implications, especially in societies with scarce social sanitary coverage that jeopardizes the quality of life of affected people.

The History of Polio, History of the Present

From what we have seen above we can infer that the historical study of poliomyelitis is a rich model in the history of illness steeped in complexity and with a current interest for public health: we find ourselves before a recent pandemic, of grand dimensions which has become the objective for the development of a major global scale public health program to achieve its eradication, which is why historical analysis is compulsory before proposing new interventions of such a magnitude in

other diseases. In an attempt to reach this goal problems have arisen and challenges have been faced which make us pause for reflection on eradication, epidemiology and public health.

Poliomyelitis doesn’t only grant us detailed historical demographic studies, but also constitutes an excellent field to study the social construction of the illness and the power relationships, the expert knowledge and the professionalism. The history of medical technology has shown itself to be especially effective when applied to poliomyelitis either in the role of vaccine, iron lung or orthopedic devices. As generating disease of motor disability is a subsidiary of fruitful approaches from disability studies, they are intimately linked to the history of the body and gender studies. If we join to this the peculiarity that many of who suffered from the infection are still alive, polio has invited a focused history from experience and illness narratives.

On the whole, these implications of the history of poliomyelitis derives its framework in the history of the present. Without getting involved in the debates about the special historicity of the present, the definition of the temporal significance of this historical perspective or the place of memory in history and the role of witness (to quote only some controversial aspects), it is easy to understand that the researcher who deals with poliomyelitis delves into experienced history, in which the illness, its consequences and the sufferers are current. That persistence of polio or those who live with the after-effects underline that concept of the history of the present as an analysis of ongoing processes, inconclusive history or under construction. Principally, those affected people, but including those who are connected professionally or emotionally, who, conscious of being historical subjects and having valuable memories, claim the right to question the significance of their historical action. The acceptance of the experience and subjectivity are intimately entwined with the transformation of the relationship between doctor and patient, with the incorporation of the expert patient knowledge. Post-polio syndrome is

probably the most illuminating case, where the history of the present as a space of confluence between past and future acquires it sense, between memory and expectations\textsuperscript{33} and where the social demand for a commitment from the historian to develop critical thinking is perceived with greater clarity.

The History of Poliomyelitis in Ibero-America

In the present dossier we approach the history of poliomyelitis in a vast, diverse geographical space while having strong historical and cultural nexuses, made up of the countries of the Iberian Peninsula and by those of the Atlantic coast in South America. The presence of the illness (its incidence, significance and imaginaries), its outbreaks and the fight against it (especially the prevention through vaccination campaigns) are studied in Argentina, Uruguay and Brazil, Portugal and Spain, between 1943 and the present. In those articles how the objective of control and eradication of poliomyelitis is shaped and its relation to the global programs and the consequences of these achievements in the general population and in affected people in particular are analyzed.

On the Iberian Peninsula diverse research projects have been under development since 2005, coordinated by Rosa Ballester, on the history of polio\textsuperscript{34} and into which they have been integrating eight Spanish universities and two Portuguese ones. There poliomyelitis has been approached from diverse perspectives and historical angles in which the scientific, professional and social repercussions of the disease, contextualized with the European and international framework have been contemplated.\textsuperscript{35}


\textsuperscript{35} The results of these projects have been published in two dossiers in renamed specialized magazines (José Martínez-Pérez, coord., “La poliomielitis y sus contextos: experiencias colectivas e individuales ante la enfermedad en el siglo XX”, Asclepio, 61(1) (2009), 7–192; Rosa Ballester and María Isabel Porras, eds, “Políticas, respuestas sociales y movimientos asociativos
In contrast, the eradication of poliomyelitis in the Americas Region in 1994 has attracted an disproportionate amount of attention from historians, with great attention paid to northern countries and much less to the rest, without this level of disinterest being justified by a lower rate of incidence. What is clear is the fact that in the United States the epidemic outbreaks were early, intense and successive for over than half a century which marked that society with a cultural imprint reaffirmed by the figure of a president, Franklin Delano Roosevelt, affected by the illness. But it is equally true that since the 30s, and fundamentally, in the 50s there existed epidemics of special virulence in the Southern Cone. Thus the studies carried out by Dilene Raimundo and the development team demonstrated, from 2002, the project “A história da poliomielite e de sua erradicação no Brasil”, whose results were captured in diverse publications among them one which highlights a group effort, the first of its kind, which collected research from diverse authors about Brazil, Peru, Portugal, Spain and Pakistan.  

Another group effort arose from a round table discussion held a year later during the Congress of Spanish Society of the History of Medicine, coordinated by Adriana Alvarez, María Isabel Porras and María Jose Baguena, entitled “International perspectives of health in Latin America. Programs, methods and local experiences in the struggle against poliomyelitis (1930–1960)”, during which the cases from Costa Rica, Brazil, Mexico, Cuba and Argentina were analysed.  

Precisely it is Argentina, the country which, along with Cuba and the aforementioned Brazil, has provoked the most interest in historians, especially centered on the epidemic outbreaks and the publically developed policies to fight against the infection, before and after the emergence of the vaccine, with the work of Karina Ramacciotti, the already mentioned Alvarez and Daniela Testa, who focus on the imaginaries and social response to the affected people with poliomyelitis sequelae. Cuba’s case is of obvious interest, being the first country to
apply mass campaigns of the oral vaccine in 1962 and in so doing eradicated polio that same year. Once again epidemiology and vaccination are the focal point of interest.

In spite of Chile, Peru, Costa Rica and Mexico also having something to say in the history of polio, its battle and its eradication, the lack of attention which a large part of the Americas region receives remains puzzling, despite pioneering the eradication of the disease. The encyclopedic work of Kohn makes reference to not a single epidemic outbreak in Ibero-America (for Spain or Portugal either), the Cambridge World History of Human Disease hardly dedicates a paragraph to the mention of vaccination programs in Argentina, Brazil, Chile, Costa Rica, Cuba, Nicaragua and Paraguay and even the great and voluminous work of Smallman-Raynor and Cliff muster only twelve pages of information about vaccination in Latin America and the Caribbean, although it does include some references to epidemic outbreaks on previous pages. Perhaps the only point of attention,
embedded in triumphalist rhetoric, has been the frequent inclusion of the photographs of Peruvian child Luis Fermin Tenorio as the last affected soul in the Americas Region. The necessity for new studies are therefore confirmed, and above all, publications that halt the concealment of the sanitary situation in non-English speaking countries.\textsuperscript{47}

Polio: Towards a Comparative History of the Present Time

The history of the present was given incentive by the resurgence, from the 70s of the last century, of a new political history in which reflection on power, beyond that of the institutionalized, was bound with society and culture. The history of poliomyelitis and, more concretely, of the international projects to combat it is an appropriate theme for approximations in which the tensions produced between the international sanitary organizations and their policies and the application of the same on a national level are explored. This dialogue between local and international levels is also produced in the universalization of scientific knowledge. In his study of poliomyelitis in the Argentinian province of Cordoba, Adrián Carbonetti analysis in this dossier the role of local social factors in the autochthonous production of expert knowledge. The acceptance of foreign knowledge on poliomyelitis (that is to say from North American and European science) is not static, producing a fresh signification of this and the creation of their own research strategies.

However, the most emphasized characteristic of the sanitary policies with regards to poliomyelitis was the adoption of international commitments in the fight against the same one that they led, in 1988, the ambitious global eradication (the Global Polio Eradication Initiative), which Ballester, Porras and Baguena analyse in their article on the Spanish case in its European context. Various talking points are produced on international bodies which affect the strategies to combat poliomyelitis: the WHO’s own composition meant that up to the 60s global eradication projects were not established (smallpox being the first, successful and, as such, encouraging), a composition that was also influential in the commitment by the Primary Healthcare signed in Alma-Ata in 1978 and partially failed, with inevitable consequences in the form of vaccination and the organization of

\textsuperscript{47} Three different research networks are focused on History of diseases (which include polio): Red de Estudios Histórico-Comparativos de la Medicina y la Salud Pública Latinoamericanas, Red de Viejas y Nuevas Enfermedades de la Asociación Latino-Americana de Población y la Red Iberoamericana de Investigación en Historia de la Poliomielitis y el Síndrome Post-Polio.
epidemiological security. One final point to consider is one which arises from the WHO crisis in the 80s and drives a progressive increase in nongovernmental funding, a very significant fact in the participation of different organizations in the eradication of polio (National Governments in coordination with the four spearheading partners -WHO, UNICEF, Rotary International and the Centers for Disease Control and Prevention- to which others can be added, such as the World Bank or the Bill & Melinda Gates Foundation) or in the Global Alliance for Vaccines and Immunization (GAVI). In our case the role conducted by the Pan American Health Association (PAHO) acquires a special interest, as much in the heart of the WHO as in its work for the eradication of polio in the Americas Region (even facing its criteria to those of the international bodies), the first to achieve the certificate in 1994. This contextualization of the Spanish case with the European and Global strategies allow a reflection on the necessity to go beyond of the collective studies to carry out comparative studies which permit the analysis of the role of local determining factors and the acceptance and application of global strategies, their adaptation and results obtained. Although the national studies can illustrate many of these aspects, it is the comparative perspective which detects critical elements for the research. The well-known article by Lindner and Blume about the development of vaccines (IPV and OPV) and the adoption of one kind or another in the United Kingdom (England and Wales), the Netherlands and West Germany, shows three different processes of introduction and use. Their analysis of the intensity of the epidemic, organization of the health services and its financing, the production (state or private) of the vaccine and the activities (scientific and political) towards it, international relations, and above all, the existence of prior national developments with respect to the illness and the vaccination are some of the elements which authors claim enrich the comparative studies.

For the comparative polio study in Ibero-America, despite the study being pioneered for Brazil and Peru, aforementioned, a specific proposal still doesn’t exist, although there exists a framework with a solid scientific foundation and meticulously organized by an ample international team, coordinated by Emilio Quevedo, for the comparative study of public health, health professions and their relationship with society. Adriana Alvarez was appointed to this project, and in his article about poliomyelitis in Argentina and Uruguay, highlights the complexity of comparative studies between countries which show marked differences themselves internally according to geographical areas. Through the analysis of health policies, vaccination programs and epidemiological data, we can compare the evolution of the illness in both countries during the governments of Peron and Batlle and their great epidemic strategies to combat the outbreaks of the mid 50s.

Furthermore, from the comparative perspective the representation of poliomyelitis and post-polio syndrome are tackled in the Spanish-Portuguese press by Guerra and Rodriguez –Sánchez. If contemporary history has always counted on the press as a relevant source, then the history of the present finds facts about the influence in its public and political agendas, with the effect of a configuration of identities. Post-polio Syndrome, dealt with by the comparative study, exemplifies the vicious circles established: the absence of collectives and social movements for polio-affected people leads to their invisibility in the Portuguese press and this disappearance causes a spread of misinformation across public society (and worse still, of the people affected) about the existence of the syndrome. To this must be
added its effect in relation to social movements and in relation to the creation and reconstruction of identities.

Memory, Testimony and History of Polio in Light of Post-Polio Syndrome

In fact, a characteristic of the history of the present is the coexistence of territories which are troublesome to demarcate: history, investigative journalism and memory narratives. Poliomyelitis has not only been common to its focus, but it has illustrated them prolifically. The vaccines, their trials and the incidents during their application has given rise to controversies that have elicited approaches from investigative journalism which have exalted the figure of Jonas Salk or has related Koprowski’s trials with the origin of HIV, linked diverse cancers with the contamination of the vaccines by the SV40, or even in the poliomyelitis outbreaks from the vaccine-derived polioviruses. In such cases, history and journalism can, when the approximations are rigorous, be very close to the mark: share multiple sources, respond to social demand, and contrast documents and testimonies in search of their veracity.

However, an extant illness, whose survivors have been scarred by paralytic effects, invite us to convert their memory into one of the pillars of history. The autobiographical narratives have frequently interlaced in an effort to recover a collective memory like in the cases of Black and Shell, which acquired major historical aspiration in that of Sass and Wilson coming from the fulfillment and

64 Daniel J. Wilson, Living with Polio. The Epidemic and its Survivors (Chicago, 2005).
analysis of interviews of affected people. Memory archives as a baseline for an oral history of poliomyelitis have been frequent in United States and Canadian historiography, making the experience – including the emotions – one of the most enriching aspects in the history of the illness. Adding to this as much the contributions framed as historical research or as journalistic research have been developed on many occasions by people affected by polio, incorporating new nuances on motivation and subjectivity, memory and history, commitment and activism.

Abundant motives hamper our field of research, the Ibero-American space, we count on autobiographical publications, and moreover there are developing projects, many of whose objectives are articulated in an oral history setting. Dilene Raimundo has led some of these projects which have generated an archive of testimonials available online. Her article in this dossier concerning the eradication of poliomyelitis in Brazil tells of one of these testimonies to focus on one of the aspects which usually serve as a corollary in the majority part of the historical accounts on poliomyelitis: post-polio syndrome. The threat of the syndrome gravitates in almost every work centered on the testimonies, establishing the worry for those, who having fought for the consideration of the disability as functional diversity, become ill once more.


68 Serve as examples Aitken, Wilson, Smith, Gould, Shell or Sass.

69 A história da poliomielite e de sua erradicação no Brasil (Programa Estratégico de Pesquisa da Casa de Oswaldo Cruz, Conselho Nacional de Pesquisa de Brasil). A erradicação da poliomielite. Uma história comparada: Brasil e Peru (Edital Universal 01/2002-CNPq).


If the problems in achieving an authentic eradication of poliomyelitis make it necessary to revisit the past, post-polio syndrome presents one of the major current challenges that should be approached from the point of view of the stories of the people who have lived through the illness and its aftermath, as well as the social significance which the disease has had. Post-polio syndrome exceeds the mere medical and scientific pursuit in that it influences some key elements of the cultural construction of polio in western society: if the person with poliomyelitis sequelae has symbolized the triumph of effort, of will, of the mind over body (and so they have individually assumed this continuous challenge to demonstrate their capacity), the appearance of the syndrome is borne as a failure, a setback and a loss of meaning for the vital project. However, in contrast to that society which is bending over backwards to find a solution to the threat which children suffered and to assist in their rehabilitation, the person with post-polio syndrome confronts obscurity and abandonment in many parts of the world. The necessity to complete this process of eradication, the much announced “endgame”, diverts attention from the consequences of polio that linger on, affecting the world free of polio.\footnote{Nora Ellen Groce, Lena Morgan Banks and Michael Ashley Stein, “Surviving polio in a post-polio world”, Social Science & Medicine 107 (2014), pp. 171–178.} Exclusively in this context is it possible to conceive of a syndrome that (in spite of being extensively studied by Dalakas and Halstead and internationally debated since the 80s)\footnote{Tony Gould, A Summer Plague. Polio and its Survivors (New Haven, 1995), pp. 209–217.} wasn’t included in the International Classification of Diseases until the year 2010,\footnote{International Statistical Classification of Diseases and Related Health Problems 10th Revision (ICD-10 Version:2010). Available from: http://apps.who.int/classifications/icd10/browse/2010/en Chapter VI. Diseases of the nervous system (G00–G99). Systemic atrophies primarily affecting the central nervous system (G10–G14). G14 Postpolio Syndrome http://apps.who.int/classifications/icd10/browse/2010/en#/G10-G14 Polio sequelae are codified as B91.} and to all intents and purposes, faced with the problems of low prevalence diseases.\footnote{Marc Shell, Polio and its Aftermath. The Paralysis of Culture (Cambridge, Mass., 2005).} Similarly, it is the people affected who lead social movements in which the role of the expert patient is revalidated, with the help of new virtual social networks, search for and organize the information that many health professionals worldwide are ignorant of.

Poliomyelitis, despite the continually strengthening perception of it as an illness of the past, continues to cause problems for the present public health system and challenges for the immediate future. The answers, more than in any other case, pass necessarily through interdisciplinary areas in which history provides vital keys and can still illuminate multiple aspects open for investigation.
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