National Socialist Politics, Anatomical Institutions, and Anatomists

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Although it is known that anatomists working in Germany during the Third Reich have used bodies of victims of the National Socialist (NS) regime for dissection and research, a comprehensive history of the anatomy in the Third Reich has not yet been written. Recent studies of the history of German anatomy departments during this time period provide material for a first outline of the subject matter. A historical review can help with the formulation of ethical foundations in modern anatomy. From the outset, the NS regime sought to reorganize German universities according to NS leadership principles and political goals. Many German academics, especially physicians and among them anatomists, followed these intentions with a voluntary “self-alignment” that encompassed their professional actions as well as their ethics. Currently, political information is available for 111 of 178 anatomists. Thirty-eight of the anatomists were dismissed for racial or political reasons, among them 10 chairmen of anatomy, whereas 35 of the anatomists were politically active members of one of the NS organizations. Over 70% of the chairmen of anatomical departments in the time period from 1941 to 1944 were members of NS organizations. Anatomists, as so many other physicians and academics, belonged both, to the group of victims of the regime, i.e., those being dismissed from their positions for racial and political reasons, and to the group of supporters and sometimes active perpetrators of NS policies. Clin. Anat. 22:883–893, 2009.

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“… the same suspension of empathy that was so necessary a part of a physician’s task was also, in other contexts, the root of all monstrosity.”
(Pat Barker, 1995; The Eye in the Door)

“Is evil insanity? Or a really unpleasant version of sanity?”
(Laura Lippman, 2009; Life Sentences)

INTRODUCTION

Sixty years after the end of the Third Reich, the National Socialist (NS) regime in Germany, a comprehensive history of anatomy during this time period is still unwritten (Aumüller and Grundmann, 2002). Several studies on the topic have documented the involvement of anatomists in policies that are questionable from a modern ethical point of view, such as the use of the bodies of NS victims for...
anatomical dissection. A closer analysis of the anatomy in the Third Reich may help anatomists to develop ethical guidelines for modern anatomy (Winkelmann and Schagen, 2009). The bioethicist Arthur Caplan (Caplan, 1994) recommends a very careful look at the details of this history as a foundation for analogies between the practices of then and now, an analysis which may lead to "instructive application" (Cahill, 1994) in contemporary anatomy, a discipline now considered a vehicle for teaching medical ethics (Dyer and Thorndike, 2000; Goddard, 2003).

The first part of this overview of the history of anatomy in the Third Reich analyzes the interaction between the NS government, universities, and anatomical institutions, as well as the relation between anatomists and politics. Specific questions are the extent of anatomists' NS membership and which anatomists were persecuted and dismissed by the regime. The special conditions of the NS judicial system will be explored that allowed for the increase in regime. The special conditions of the NS judicial system will be explored that allowed for the increase in extent of anatomists' NS membership and which anatomists were persecuted and dismissed by the NS government, universities, and anatomical institutions. It will become apparent that anatomists were victims as well as supporters and sometimes perpetrators of NS policies.

METHODS

Literature was collected and examined on the following subject matters: German universities and Medical schools in general during the Third Reich, modern history of anatomical institutions and German Anatomy laws in the 19th and 20th Century. This study did not include work in original archives of the time period, but is based mostly on secondary literature. Wherever there was a source that was discussed controversially, e.g., the authenticity of Voss' diaries from Posen, an effort was made to verify or disprove the information. Literature was also gathered on the NS judicial system in relation to capital punishment and its procedures and relations with the anatomical institutions, as this background material is necessary to understand the unique situation of the availability of great numbers of bodies of NS victims for anatomical purposes.

To broaden the information on individual anatomists, biographical encyclopedias and obituaries were included as well as course catalogues of universities (Vorlesungsverzeichnisse) and original publications by anatomists. The duration and location of employment as well as any political information or dismissals for racial or political reasons were noted for chairmen of anatomical departments and other faculty. The documentation on anatomists was evaluated and categorized as "NS membership." Any direct involvement in NS political work by anatomists was evaluated and categorized as "NS political activity." A list was created of anatomists working in German anatomical institutions from 1933 to 1945, naming the "NS-affiliation" and/or "NS/activity" of individuals. Most of the anatomists had been trained as physicians. Tenured faculty members were included as well as some non-tenured assistants, mostly those who are of NS political importance or of professional interest for postwar Germany. Further listed are Austrian faculty members who served from 1933 to 1938 through the years of Austrofascism (Lichtenberger-Fenz, 1989, p 10/11). A "yes" under the "NS-affiliation" category denotes a membership in any NS organization as documented in the references. A "yes" for "NS political activity" indicates that the person was documented as active in SS (Schutzstaffel, NS elite corps) or SA (Sturmbteilung, brown shirts), NSDAP membership before 1933, or that there are records of other definite endorsements of NS policies in the sources quoted, e.g., leadership roles in NS organizations, services as SS security service spy (Sicherheitsdienst of the SS) or speeches and publications. If there was any inconsistency in the references, the greatest likelihood of a "yes" or "no" in each category was evaluated and the "yes" or "no" furnished with a question mark to indicate the need for further corroboration. If there was no official documentation of NS activity, even though it was likely as judged by the references, a "no" was entered. This procedure ensured a conservative estimate of the extent of NS political involvement of anatomists. Results were gathered from this list, which can be made available to interested readers by the author.

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Politics and Universities in NS Germany

On January 30, 1933, the NSDAP under the leadership of Adolf Hitler became the ruling party in Germany and within months usurped all governing power. At this time, over half of Germany had been ruled by Prussian law and the rest by other local and state laws, which were quickly integrated into a general Reich legislation for all of Germany and its occupied territories (Deutsches Reich; Rothmaler, 1990; Koops, 2005; Forsbach, 2006). On March 12, 1938, Austria was annexed into the Reich, and parts of the Czech Republic followed on September 29, 1938. With the beginning and progress of the Second World War, other foreign territories became integrated into Germany for a period of time, including the Alsace, parts of Poland and the Baltics. Since 1934, all pre-existing and newly founded German universities (Strassburg, Posen, Prague, Dorpat) in these areas were under the direct governance of the Reich Ministry for Science, Education and Culture (Reichserziehungministerium, REM), led by Bernhard Rust (Koops, 2005; Wechsler, 2005).

It was the declared aim of the REM to reorganize the universities according to the new authoritarian and NS oriented leadership concept (Führerprinzip) and to centralize their previously state-regulated administration (Böhm, 1995, p 181). This included the “cleansing” of the faculty of so-called “non-Aryan” and oppositionally active persons, the alignment of science with NS doctrine and the utilization of all science for war purposes (Eberle, 2002). With rare exceptions, most German university faculties followed these intentions by a “self-alignment” (Selbstgleichschaltung) with these new policies.
Academic advancement in NS Germany depended to a large extent on some measure of loyalty to the regime. The REM, university officials and the NS lecturers’ league (NS Dozentenbund) took part in varying degrees in recruitment decisions (Hartshorne, 1938; Scheiblechner, 2001). All candidates were checked by the secret service, so that no liberal or oppositionally active academic had any chance of advancement (Bussche, 1993). On the other hand, in anatomy academic excellence never ceased to be an important career factor. In the early years, non-NSDAP party members could still become department chairs, e.g., Hermann Stieve in Berlin, 1935 (Noack, 2007), while party membership and NS political activity alone without scientific merits could not guarantee advancement, as seen in the cases of Werner Blume in Göttingen or Johann Paul Kremer in Münster (Vieten, 1982; Höss et al., 1984; Giles, 1993, p 87; Böhm, 1995, p 450/584; Beuhausen et al., 1998, p 197). Despite its aspirations of total control of the hiring process of new anatomical faculty, the REM rarely intervened directly. The recruitment of Ernst Theodor Nauck to the chair of anatomy in Freiburg was an unusual example of direct intervention by the REM in personnel decisions in anatomy (Seidler and Leven, 2007, p 505). Nauck was an active NS party member and spy for the SS security service but was also scientifically qualified for the job. Generally, most academics, especially physicians and the younger ones who still needed academic advancement, joined if not the NSDAP party itself then some other NS formation like the NS lecturers’ league, the NS physicians union and others. Some politically active academics joined the SS or the SA voluntarily (Kater, 1989, p 132/133; Scheiblechner, 2001).

The major professional organization for physicians, Hartmannbund, collaborated with the government in the exclusion of so-called “non-Aryan members” from the society, so that within 6 years 95% of Jewish physicians were expelled and prohibited from treating “Aryan” patients (Rüther, 1997). Likewise, the renowned German research society Leopoldina excluded Jewish members, among them Albert Einstein and the anatomists Alfred Kohn, Franz Weidenreich, and Alfred Fischel (Gerstengarbe et al., 1995). The organization of pediatricians (Deutsche Gesellschaft fuer Kinderheilkunde) did not change its bylaws, but tolerated the withdrawal of 75% of its Jewish members by 1939 without protest (Seidler, 2000, p 84). The professional society of anatomists, the Anatomische Gesellschaft, proceeded differently. It did not subscribe to the NS oriented leadership concept and did not introduce the exclusion of “non-Aryan members” in their bylaws. Throughout the Third Reich it kept all those members in their listings, who had been dismissed due to NS racial laws (Schierhorn, 1986, p 959; Kühnel, 1989, p 53). The organization went through several controversies after 1933. Over the following years, politically active members, including Max Clara, Hans Petersen, Robert Wetzel, August Hirt, and later Eduard Pernkopf, who were backed by the REM, tried to transform the traditionally international society into a purely German entity and asked for the exclusion of “non-Aryan” members. Philipp Stöhr Jr. of Bonn showed his protest against these voices by refusing to visit the society meetings during the later NS years (Fleischhauer, 1981). Other members were able to thwart the measures demanded by the National Socialists: Siegfried Mollier of Munich refused to even consider these colleagues’ opinions in 1934. In the same year, Heinrich von Eggeling, secretary of the society, wrote personally to Hitler explaining why the formation of an exclusively German anatomical society was not desirable. When Pernkopf brought the question up again in 1943, it was Hermann Stieve who rebuked him severely (Kühnel, 1989).

Laws and Body Procurement in NS Germany

The REM was responsible for the anatomical institutions at the universities, including their body supply. Traditionally, the anatomical institutes used unclaimed bodies from hospitals, psychiatric institutions, and prisons, as well as the bodies of the executed for dissection. A Prussian law from 1877 and other local laws, e.g., Hamburg 1907 and 1919, granted the anatomical institutes the right to use the bodies of the executed for dissection, if the relatives did not claim the body. These laws were reinforced by Prussia on October 6, 1933, when anatomists from Halle (Stieve), Göttingen (Fuchs), and Jena (Böker) complained about a lack of compliance by the authorities with these laws. The laws were again reinforced by the REM on October 22, 1935, and on February 18, 1939 (Bussche, 1989b; Rothmaler, 1990; Forsbach, 2006; Noack, 2007). Later on anatomists frequently complained about the need to inform the families of the executed and about the relatives’ opposition to dissection (Bussche, 1989b; Waltenbacher, 2008, p 218). Thus, in March 1943, it was decreed that the families of the executed did not have to be asked for consent to dissection and it was forbidden to release the bodies of Jews, Poles, and
those executed for high treason to their relatives (Waltenbacher, 2008, p 219).

The German Reich had 240 independent correctional facilities, 22 of which were furnished with execution chambers. Between 1935 and 1937, these places of execution were centralized to initially 11 facilities, rising in number again to 22 by the end of the war. The measure was meant to increase the efficiency of the execution procedures (Noack, 2007). Each place of execution had certain anatomical institutes allocated to it, which were to receive bodies from these facilities, e.g., the universities of Greifswald and Berlin received bodies from the Berlin-Plötzensee facility, and Berlin also received bodies from the Brandenburg-Görden facility (Oberkofler and Goller, 1999; Noack, 2007; Waltenbacher, 2008; Waltenbacher T, Personal communication, December 16, 2008).

In 1937, the general method of execution was decreed to be decapitation by guillotine (Noack, 2007). Only special circumstances allowed for execution by shooting, for example, by the Gestapo (Geheime Staatspolizei, secret state police). Hinging was reserved for the crime considered most heinous, high treason, and the execution chambers were furnished with butcher hooks for hanging (Viebig, 2002; Noack, 2007; Waltenbacher, 2008). The Gestapo also performed hangings with mobile gallows that were transported to the place of execution (Drews, 1992; Schönhagen, 1992). With the escalating political situation during the war the legal definition of high treason came to encompass, aside from the political situation during the war, legal definition high treason to encompass, aside from political opposition, actions like black marketeering, listening to enemy radio, the telling of political jokes, and so-called Rassenschande (racial defilement). In addition, forced laborers from Poland and other countries were victims of special laws that led to frequent executions (Volksschädlingeverordnung September 5, 1939; Kriegswirtschaftsverordnung September 4, 1939; Polenstrafrecht December 4, 1941; Rothmaler, 1990; Beushausen et al., 1998, p 233ff; Oberkofler and Goller, 1999; Form and Schiller, 2005). The verdicts of capital punishment were declared by the Reichskriegsgericht (Reich Court martial or military court), and by Sondergericht (special NS courts) (Noack, 2007, p 11). Prison officials informed anatomical institutes about an imminent execution beforehand, so that the institute could send an emisary to collect fresh tissues or the whole body itself. Frequently the prisons were planned with rooms set aside for the needs of the anatomists. Transportation of the bodies was usually by special vans owned by the anatomical institutes (Waltenbacher, 2008).

**Anatomical Institutions from 1933 to 1945**

In 1933, 24 German universities had anatomical departments. The Austrian universities of Vienna, Graz, and Innsbruck, as well as the Czech university of Prague became German in 1938. During the war, Strassburg (Alsace), Posen (Poland), and Dorpat (Tartu, Estonia) were added, bringing the total to 31 (see also: Müller-Wille, 1991). The universities of Strassburg, Posen, and Prague were conceptualized as "Reichsuniversitäten" (universities of the German Reich) with a special bulwark function against "foreign cultural influences" and emphasis on the supremacy of the German people (Piotrowski, 1984; Wrblewski, 2000, p89; Baechler et al., 2005). Little information is available for Dorpat (Tartu), which was the least functional of the "Reichsuniversitäten" (Piotrowski, 1984, p 471). Overall, the anatomical departments were of varying size, with one chair for gross anatomy and sometimes an additional one for histology and/or embryology, as well as several more tenured and untenured positions and assistants. The latter were either medical students or medical residents. While German student numbers dropped from 25,000 in 1933 to 16,000 in 1939 due to the expulsion of Jewish and female students and regulation of student numbers by the REM, they rose again to 40,000 in 1944, as doctors were needed in the field of war (Aumüller et al., 2001). At the same time, faculties were generally smaller during the war years as younger faculty members had to serve in the military.

**Anatomists and Politics**

At this point, political data are available for 111 of 178 anatomists working in German anatomical departments from 1933 to 1945, i.e., political information is missing in 38%. Thirty-five (20%) of the 178 were active National Socialists (NS-affiliation/activity: Yes/Yes, Yes/Yes?), 28 (15%) were non-active members of NS affiliations (Yes/?, Yes/No), 10 (6%) were definitely or most likely not members of any NS affiliation (No/No, ?/No), and 38 (21%) were dismissed for political and racial reasons. The percentage of National Socialists in higher university positions increased in the later years of the NS regime. There were 37 chairmen of German anatomical departments from 1941 to 1944, the time period of Germany's largest geographical expansion. Of these, only Hermann Stieve (Berlin) and Otto GROSSER (Prague) are known to have not had any official NS affiliations. Stieve was a right-wing national-conservative, who generally kept his distance to the NS regime (Schagen, 2005; Noack, 2007), while Grosser was quite sympathetic of NS politics (Hlaváčková and Misková, 2001). Fifteen chairmen were party members and politically active to varying degrees, while 12 were members of one of the NS affiliations, but not known to be politically active. This latter group included persons with a known disposition for the NS system, e.g., Philipp Stéhr jr. (Bonn: Forsbach, 2006), Ferdinand Wagensell (Giessen: Schmidt, 1993; Unger, 1998; Oehler-Klein, 2007), and Alfred Benninghoff (Marburg: Aumüller et al., 2001). Also a member of this group was Hermann Voss, who had joined the party reluctantly, but according to his diary, was nevertheless a fervent anti-Semite and hated Slavs (Posen: Aly, 1994). No political information was available for 8 chairmen (Ernst Weinberg, Dorpat; Hans Schreiber, Frankfurt am Main; Wilhelm Pfuhl, Greifswald; Franz Stadtmüller, Cologne; Robert Heiss, Königsberg; Walter Vogt, Munich; Maximilian Watzka, Prague; Victor
Patzelt, Vienna). In conclusion, over 70% of all department chairs from 1941–1944 were members of one of the NS affiliations, and more than half of those were politically active.

Of the politically active anatomists, the SS officers August Hirt and Johann Paul Kremer stand out because they were prosecuted for crimes against humanity after the war. Hirt was the Dean of the Strassburg Medical School. Newly recruited faculty members of the Reichsuniversitäten Prague, Strassburg, and Posen were chosen for their NS political convictions. They tended to see themselves as “political soldiers in university gowns” (Piotrowski, 1984; Wróblewska, 2000, p 138; Uhlmann, 2002, p 283). Many of the Strassburg academics were SS officials, including Hirt’s assistants Anton Kiesselbach and Karl Wimmer. The University of Strassburg was of special interest for the NS regime, as it supported several medical research projects of military importance (Kater, 1974; Deichmann, 2005; Wechsler, 2005). Hirt’s early career had focused on fluorescence microscopy research, a technique he had invented in the 1920’s in collaboration with Philipp Ellinger, a Jewish pharmacologist. After Ellinger was dismissed by the NS regime in 1933, Hirt claimed the method as his own (Kasten, 1991; Masters, 2008). During his tenure at Strassburg he started developing research proposals deemed “relevant for the war effort.” These projects supported the eugenic thinking of Heinrich Himmler, Reich Minister of the Interior, who financed Hirt’s research through the Ahnenerbe organization (Kater, 1974; Kasten, 1991). Hirt carried out lethal medical experiments with mustard poison gas on prisoners at the Natzweiler concentration camp, with help from Wimmer and Kiesselbach. Another project was the creation of a “Jewish skeleton” collection, for which Hirt had 86 Jewish prisoners transported from Auschwitz to the Natzweiler concentration camp, where they were murdered with cyanide (Mitscherlich and Mielke, 1947, p 352-356; Steegmann, 2005a,b; Deichmann, 2001, p 352-356; Wechsler, 2005). These projects were considered “relevant for the war effort” by intracardial phenol-injection and harvested their tissues immediately postmortem. He kept a diary during his months at Auschwitz, which later became one of the first documents providing proof for the involvement of physicians in NS atrocities (Vieten, 1982; Höss et al., 1984; Liften, 1986, pp 333/334).

The Dismissed

Thirty-eight of the 178 anatomists were expelled from German universities as a result of the application of the new laws concerning the reformation of the civil service (Gesetz zur Wiederherstellung des Berufsbeamtenums). The first of these laws was ratified on April 7, 1933, and stipulated the dismissal of so-called “non-Aryan” civil servants as well as politically suspect persons, e.g., communists. Over the course of the next 6 years, these laws came to include persons married to “non-Aryans” and social democrats, and were vague enough to be applicable to anybody whom the authorities wanted to eliminate from the university system, usually for political reasons (Mussgnug, 1988, p 95; Uhlig, 1991, p 143ff; Grüttnner and Kinas, 2007, p 133ff; Seidler and Leven, 2007, p 442). The dismissals started in 1933, and continued to the early war years, sometimes phrased as “early retirement,” e.g., in the case of Alfred Kohn (Körtgen, 1968). Of the 38 faculty members of anatomical departments who were victims of the so-called “purification” process, 10 were chairmen of anatomy: Hans Bluntschli (Frankfurt am Main), possibly Bruno Henneberg (Giessen, sources unclear), Heinrich Poll (Hamburg), Johannes Brodersen (interim, Hamburg), Otto Veit (Cologne), Walther Berg (Königsberg), Alfred Kohn (Histology, Prague), Julius Tandler (Vienna), and his successor Gustav Sauser. Wilhelm von Möllendorf (Freiburg), a social democrat and opponent of the NS regime, left the country voluntarily in 1935, accepting a chair position in Zurich, Switzerland (Seidler and Leven, 2007). The other 28 dismissed anatomical faculty members included professores emeriti and assistants, among them the anatomist and anthropologist Franz Weidenreich (Freiburg) and the anatomist and racial hygienist Karl Saller (Göttingen). Weidenreich, who went on to discover the “Peking man,” was dismissed because he was a Jew (officially: retired, Weckbecker, 1985, p 288), Saller because he had formulated a dynamic theory of race that ran counter to accepted NS positions on the subject (Saller, 1961; Kudlien, 1985; Proctor, 1988; Weingart et al., 1988; Lüddeke, 1995; Beushausen et al., 1998; Schafft, 2004, p 227ff).

The fate of the dismissed anatomists depended in part on their age, their professional status, and the enmity that the NS regime showed for so-called “non-Aryans” and opponents of the regime (Schierhorn, 1986). Some anatomists went on to new academic positions in other countries, e.g., Bluntschli (Ceram, 1990) and Wolf Heidegger in Switzerland, Paul Giees and Werner Jakobson in England, Georg Politzer in India (Politzer, 1954), and Carla Zawisch-Ossenitz and Ernst A. Scharrer in the US (Bargmann, 1966). Others survived the NS period remaining in Germany and working as private practitioners, e.g., Hermann Höpke as a physician, Gustav Sauser as a pharmacologist, and Karl Saller as a homeopath. Julius Tandler died of natural causes soon after his dismissal (Goetzl and Reynold, 1944; Sablak, 1983), while the 72-year-old Heinrich Poll died shortly after arriving in Swedish exile in 1939. His wife Clara Poll committed suicide two months later (Braund and Sutton, 2007). The 76-year-old Alfred Kohn survived an imprisonment in the Terezin concentration camp (Theresienstadt) from 1943 to 1945.

DISCUSSION

One of the first aims of the NS regime was the total control of universities, and with them Anatom-
cal Departments, in terms of ideology and personnel. While the dismissal of racially and politically unwanted anatomical faculty was complete within a few years, the regime did not succeed in the control of recruitment of new faculty in anatomy. Rare political appointments were coupled with academic competence of the candidate. The professional society of anatomists was able to defend its independence from the NS regime, in contrast to other academic professional societies. A unique relationship between the government and the Anatomical Institutions existed in the provision of bodies of the executed for dissection. This issue will be further explored in part 2 of this study.

In terms of NS affiliation and political activity, German anatomists seem to reflect the same higher than the average of the population pattern of NSDAP membership that has been reported for German physicians in general at 44.8% (Bussche, 1989a; Kater, 1989; Forsbach, 2006, pp 39, 40). While the present study uses a slightly wider definition of NS affiliation (any NS membership, not NSDAP membership exclusively), it is certain that at least 30% of the anatomists held an NS membership (most of them NSDAP). Seventy percent of the chairmen from 1941 to 1944 held an NS affiliation, and about half of those were politically active. Heiber claims that anatomists were particularly active in NS politics, as they had more time to spend on extracurricular activities compared to their clinical colleagues, who had patients to care for on private wards (Heiber, 1991, p 94). To validate this claim, one would have to compare the political involvement of anatomists to other theoretical basic medical scientists like physiologists and to individual clinical disciplines, a study that has not been done yet.

Thirty-eight (21%) of the 178 anatomists were dismissed. This number corresponds to the results of a study by Grüttnern and Kinas (2007, p 139), who reported that overall 19.3% (1145 of 6140) of all university faculty members listed in Germany in 1933 were dismissed. If anatomists lamented the expulsion of their racially or politically persecuted peers, they generally did not do so publicly (Thom, 1990). In some cases anatomists tried to keep fellow faculty members as long as possible in their positions, e.g., Otto Veit in Cologne (Ortmann, 1986) and Karl Saller in Göttingen (Saller, 1961, p 47), but ultimately the NS authorities ignored such efforts. There is only one reported case of a physician, the pharmacologist Otto Krayer, not accepting the post vacated by a dismissed colleague, Philipp Ellinger, and protesting against the dismissal. As a consequence he had to leave Germany for the US (Harvard University, Boston; Walther, 2008, p 48). Aumüller (1991) reports that Günther Hertwig, Rostock, was the only anatomist known to him to have openly voiced opposition against the NS regime. In consequence, Hertwig’s professional career was halted and he had to work in a subservient position, the only one available and provided for by Stieve in Berlin, until the end of the war (see also Drabek, 1988, p 56). Generally, if anatomists protested against authorities and regulations at all, then in connection with factual problems concerning the body supply or matters of the medical curriculum (Kästner, 1993). Especially the autocratic Hermann Stieve was known for strong opinions concerning the teaching of anatomy and led several controversial discussions with the university administration (David, 2004, pp 237/238; Noack, 2007; Winkelmann and Schagen, 2009). He gave employment to two anatomists who were in conflict with their politically active NS chairmen at other universities. Besides Günther Hertwig in conflict with Kurt Neubert in Rostock (Aumüller, 1991) this was Otto Popp with August Hirt in Greifswald (Schneck, 1993).

This is a first attempt to gather presently existing information on the Anatomy in the Third Reich and provide an overview of the subject matter. While much information is available, this study has to be preliminary due to the fact that some universities have not yet explored their history and archives of the time period. Its aim is not to denounce, but to elucidate the facts in order to learn from history, to realize one’s potential fallibility and to find guidelines for the future (Mitscherlich and Mielke, 1947; Kater, 1987, p 56). “We may not be able to judge [the NS anatomists], but we can and must set desirable standards of consciousness and behavior and aspire to live up to them” (Cohen and Werner, 2009).

Looking at the connection between politics and the anatomists in the Third Reich, it can be said in conclusion that anatomists, as so many other physicians and academics, belonged both, to the group of perpetrators of the regime, i.e., those being dismissed from their positions for racial and political reasons, and to the group of supporters and sometimes active victims of the regime, i.e., those being dismissed. If anatomists lamented the expulsion of their racially or politically persecuted peers, they generally did not do so publicly (Thom, 1990). In some cases anatomists tried to keep fellow faculty members as long as possible in their positions, e.g., Otto Veit in Cologne (Ortmann, 1986) and Karl Saller in Göttingen (Saller, 1961, p 47), but ultimately the NS authorities ignored such efforts. There is only one reported case of a physician, the pharmacologist Otto Krayer, not accepting the post vacated by a dismissed colleague, Philipp Ellinger, and protesting against the dismissal. As a consequence he had to leave Germany for the US (Harvard University, Boston; Walther, 2008, p 48). Aumüller (1991) reports that Günther Hertwig, Rostock, was the only anatomist known to him to have openly voiced opposition against the NS regime. In consequence, Hertwig’s professional career was halted and he had to work in a subservient position, the only one available and provided for by Stieve in Berlin, until the end of the war (see also Drabek, 1988, p 56). Generally, if anatomists protested against authorities and regulations at all, then in connection

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