Intracranial Pressure (ICP) Monitoring Market Research Report- Forecast to 2024

Description:

Global Intracranial Pressure (ICP) Monitoring Market Information: by Route of Intervention (Intraventricular, Epidural Sensor), Technique (Invasive, Non-invasive), Application (Traumatic Brain Injury, Subarachnoid Hemorrhage), Device (Intraventricular Catheter, Epidural Sensors), End-user (Hospitals & Clinics), and Region – Global Forecast Till 2024

Market Synopsis

Intracranial pressure monitoring devices are designed to measure the pressure within the cranium caused by trauma and accident. It is majorly used in treating traumatic brain injury. The global intracranial pressure (ICP) monitoring market is projected to exhibit a 7.1% CAGR from 2018 to 2024 (forecast period) owing to prevalence of neurovascular diseases such as arteriovenous malformations (AVMs) and brain aneurysm. The strong demand for therapeutics combined with the increase in healthcare expenditure of various nations is likely to impact the market demand over the forecast period.

Introduction of favorable reimbursement policies aimed towards the benefit of the public is likely to trigger the market demand. This is exemplified by the inclusion of WILLILS Intracranial Stent Graft System in 2016 in Shanghai’s Drug Reimbursement List. This move can benefit many patients with 80% of the material cost being paid back to the patient. The growing biotechnology sector is expected to cause a paradigm shift in the sector and facilitate the growth of the ICP monitoring market. But high procedural costs of ICP monitoring devices and shortfall of skilled personnel are factors which can hamper market growth.

Report Overview

The report provides an accurate overview of the market by correlating the historical data with key market dynamics. Our analysts make highly astute projections regarding the scope of the market and its future prospects. MRFR’s report includes a thorough analysis of the global intracranial pressure (ICP) monitoring market segmented according to route of intervention, technique, device, application, end-user, and region. Trends and growth opportunities are highlighted coupled with upcoming investment opportunities. The market share of all prominent players and their current position in the market is discussed in minute detail. It analyzes new revenue sources for players and outlines the various strategies implemented by players.

Segment Overview

The global intracranial pressure (ICP) monitoring market can be segmented on the basis of route of intervention, technique, device, application, and end-user. By route of intervention, the market is segmented into intraventricular and epidural sensor.

By technique, the market is segmented into invasive and non-invasive. The former is segmented into microtransducer ICP monitoring and external ventricular drainage (EVD). The latter is sub-segmented into transcranial doppler ultrasonography, tympanic membrane displacement (TMD) analyzer, optic nerve sheath diameter sonography, fundoscopy (papilladema), and MRI/CT.

Devices offered in the market include intraventricular catheter, subarachnoid screw, epidural
sensors, and non-invasive ICP monitors. Key market applications include traumatic brain injury, intracerebral hemorrhage, subarachnoid hemorrhage, and meningitis.

Major end-users of the ICP monitoring market include hospitals & clinics and trauma centers. The segments covered in the intracranial pressure (ICP) monitoring market report are analyzed with respect to four main regions – Americas, Europe, Asia Pacific (APAC), and the Middle East & Africa (MEA), with respective country-level market sizing. The report discusses in detail the various players residing in these regions and their respective strategies to climb up the market ladder.

Competitive Landscape

Notable players in the intracranial pressure monitoring market include Natus Medical Incorporated (U.S.), Sophysa SA (France), Integra LifeSciences Corporation (U.S.), Medtronic Plc (Ireland), Boston Neurosciences (U.S.), RAUMEDIC Inc. (Germany), Spiegelberg GmbH & Co. KG (Germany), Terumo Corporation (U.S.), and DePuy Synthes (U.S.). Development of cost-effective products and constant innovation of the technology are key strategies implemented by these players to gain an edge in the market.

The report offers comprehensive profiles on these market players and assesses their current standing in the market. Company history coupled with annual turnover, profit margins, segmental share, SWOT analysis, growth strategies, expansion techniques, and latest R&D initiatives are discussed in minute detail.

Research Methodology

At MRFR, our research analysts conduct a thorough objective analysis of the market while creating market reports by adhering to a rigorous set of standards which allow a truly comprehensive view of the market. Use of primary research strategies such as interviews with top executives of cable component manufacturers, suppliers, and distributors. Secondary research entails a thorough analysis of past and present trends in a forward-looking manner.

In addition, market size estimation and validation use both top-down & bottom-up approaches to obtain data from the value and supply chain. The balanced number of buyers and suppliers will result in a negligible demand-supply gap. Credible resources are accessed and verified by analysts to understand the nuances of market factors with consistency. Competent data analysts use strong analytical tools to ascertain accurate analysis of very relevant parameters in an effort to provide clients with a conclusive and dependable view of the future.

Analysis Period

- Base Year - 2017
- Projection Period - From 2018 to 2024
- Market Denomination - USD Million
- Conversion Rate - Considered as per the respective financial years

Intended Audience

- Brain monitoring device manufacturers & suppliers
- Contract Research Organizations (CROs)
- Research and Development (R&D) companies
- Government research laboratories

Route of Intervention

- Intraventricular
- Epidural Sensor
Technique

- Invasive
  - External Ventricular Drainage (EVD)
  - Microtransducer ICP Monitoring

- Non-invasive
  - Transcranial Doppler Ultrasonography
  - Tympanic Membrane Displacement (TMD) Analyzer
  - Optic Nerve Sheath Diameter Sonography
  - Fundoscopy (Papilladema)
  - Magnetic Resonance Imaging (MRI)/ Computed Tomography (CT)

Device

- Intraventricular Catheter
- Subarachnoid Screw
- Epidural Sensors
- Non-invasive ICP Monitors
- Others

Application

- Traumatic Brain Injury
- Intracerebral Hemorrhage
- Subarachnoid Hemorrhage
- Meningitis
- Others

End-user

- Hospitals & Clinics
- Trauma Centers
- Others
Region

- Americas
  - North America
    - The U.S.
    - Canada
  - South America

- Europe
  - Western Europe
    - Germany
    - France
    - Italy Spain
    - K.
    - Rest of Western Europe
  - Eastern Europe

- Asia Pacific
  - Australia
  - Japan
  - China
  - India
  - Rest of Asia Pacific

- The Middle East & Africa
  - The Middle East
  - Africa
  - Rest of Middle East & Africa
GLOBAL INTRACRANIAL PRESSURE MONITORING MARKET

MARKET SHARE, BY ROUTE OF INTERVENTION 2017 (%)

- 57.6% Route of Intervention
- XX% Intraventricular
- XX% Epidural Sensor

MARKET SHARE, BY ROUTE OF TECHNIQUE 2017 (%)

- XX% Invasive
- XX% Non-Invasive

MARKET SHARE, BY REGION 2017 (%)

- 41.4% Americas
- XX% Europe
- XX% Asia Pacific
- XX% Middle East & Africa

Copyrights © Market Research Future | www.marketresearchfuture.com
TABLE OF CONTENTS

1  Report Prologue
2  Market Introduction
   2.1 Scope of Study 17
   2.2 Research Objective 17
   2.3 List of Assumptions 18
   2.4 Market Structure 18
3  Research Methodology
   3.1 Research Process 20
   3.2 Primary Research 21
   3.3 Secondary Research 22
   3.4 Market Size Estimation 23
   3.5 Forecast Model 23
4  Market Dynamics
   4.1 Introduction 25
   4.2 Drivers 25
      4.2.1 Increasing prevalence of neurovascular diseases such as brain aneurysm, Arteriovenous Malformations (AVMs), and others, are likely to propel the ICP monitoring market 25
      4.2.2 Favourable reimbursement policies provide favourable background for the market growth 26
      4.2.3 Growing prevalence of traumatic brain injuries 26
      4.2.4 Ongoing product development & commercialization will boost the ICP monitoring market 26
   4.3 Restraints 27
      4.3.1 The shortage of trained professionals 27
      4.3.2 High procedural cost of ICP monitoring devices 27
   4.4 Opportunities 27
      4.4.1 Increasing use of endovascular embolization for the treatment of brain aneurysm 27
   4.5 Macroeconomic indicators 28
5  Market factor Analysis
   5.1 Value Chain Analysis 30
      5.1.1 R&D & Designing 30
      5.1.2 Manufacturing 30
      5.1.3 Distribution & Sales 31
      5.1.4 Post-Sales Review 31
   5.2 Porter’s Five Forces Model 31
      5.2.1 Bargaining Power of Suppliers 32
      5.2.2 Bargaining Power of Buyers 32
      5.2.3 Threat of New Entrants 32
      5.2.4 Threat of Substitutes 33
      5.2.5 Intensity of Rivalry 33
   5.3 Re-Operation Rate Analysis 33
   5.4 Complication Rate Analysis 33
6  Global Intracranial Pressure (ICP) Monitoring Market, By Route of Intervention
   6.1 Introduction 35
   6.2 Intraventricular 36
   6.3 Epidural Sensor 36
7  Global Intracranial Pressure (ICP) Monitoring Market, By Technique
   7.1 Introduction 38
   7.2 Invasive 39
   7.3 Non-invasive 39
      7.3.1 Transcranial Doppler Ultrasonography 39
      7.3.2 Tympanic Membrane Displacement (TMD) Analyzer 39
      7.3.3 Optic Nerve Sheath Diameter Sonography 40
      7.3.4 Fundoscopy (Papilledema) 40
      7.3.5 MRI/CT 40
8  Global Intracranial Pressure (ICP) Monitoring Market, By Application
   8.1 Introduction 42
   8.2 Traumatic Brain Injury 43
   8.3 Intracerebral Hemorrhage 43
   8.4 Subarachnoid Hemorrhage 43
   8.5 Meningitis 44
9  Global Intracranial Pressure (ICP) Monitoring Market, By Device
   9.1 Introduction 46
   9.2 Intraventricular catheter 47
   9.3 Subarachnoid screw 47
   9.4 Non-invasive ICP monitors 47
   9.5 Epidural sensors 48
10 Global Intracranial Pressure (ICP) Monitoring Market, By End User
   10.1 Introduction 50
13.7.4 Key Developments 121
13.7.5 SWOT Analysis 121
13.7.6 Key Strategy 121
13.8 Terumo Corporation 122
13.8.1 Company Overview 122
13.8.2 Financial Overview 122
13.8.3 Products Offering 123
13.8.4 Key Developments 123
13.8.5 SWOT Analysis 123
13.8.6 Key Strategy 123
13.9 Natus Medical Incorporated 124
13.9.1 Company Overview 124
13.9.2 Financial Overview 124
13.9.3 Products Offering 125
13.9.4 Key Developments 125
13.9.5 SWOT Analysis 125
13.9.6 Key Strategy 125
14 Appendix
14.1 Discussion Blue Print 127
15 List of Tables
TABLE 1 LIST OF ASSUMPTIONS 18
TABLE 2 PRIMARY INTERVIEWS 20
TABLE 3 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY ROUTE OF INTERVENTION 2015-2024 (USD MILLION) 35
TABLE 4 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY INTRAVENTRICULAR 2015-2024 (USD MILLION) 36
TABLE 5 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY EPIDURAL SENSOR 2015-2024 (USD MILLION) 36
TABLE 6 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY TECHNIQUE 2015-2024 (USD MILLION) 38
TABLE 7 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY INVASIVE TECHNIQUE 2015-2024 (USD MILLION) 39
TABLE 8 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY INVASIVE 2015-2024 (USD MILLION) 39
TABLE 9 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY APPLICATION 2015-2024 (USD MILLION) 42
TABLE 10 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY APPLICATION 2015-2024 (USD MILLION) 42
TABLE 11 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY TRAUMATIC BRAIN INJURY 2015-2024 (USD MILLION) 43
TABLE 12 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY INTRACEREBRAL HEMORRHAGE 2015-2024 (USD MILLION) 43
TABLE 13 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY SUBARACHNOID HEMORRHAGE 2015-2024 (USD MILLION) 43
TABLE 14 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY MENINGITIS 2015-2024 (USD MILLION) 44
TABLE 15 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY DEVICES 2015-2024 (USD MILLION) 46
TABLE 16 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY DEVICES 2015-2024 (USD MILLION) 46
TABLE 17 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY END USERS 2015-2024 (USD MILLION) 50
TABLE 18 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY END USERS 2015-2024 (USD MILLION) 50
TABLE 19 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY HOSPITALS & CLINIC 2015-2024 (USD MILLION) 51
TABLE 20 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY HOSPITALS & CLINIC 2015-2024 (USD MILLION) 51
TABLE 21 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY TRAUMA CENTERS 2015-2024 (USD MILLION) 51
TABLE 22 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY REGION 2015-2024 (USD MILLION) 53
TABLE 23 AMERICAS INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY REGION 2015-2024 (USD MILLION) 54
TABLE 24 AMERICAS INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY ROUTE OF INTERVENTION 2015-2024 (USD MILLION) 54
TABLE 25 AMERICAS INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY TECHNIQUE 2015-2024 (USD MILLION) 55
TABLE 26 AMERICAS INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY INVASIVE TECHNIQUE 2015-2024 (USD MILLION) 55
TABLE 27 AMERICAS INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY APPLICATION 2015-2024 (USD MILLION) 55
TABLE 28 AMERICAS INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY DEVICES 2015-2024 (USD MILLION) 56
TABLE 29 AMERICAS INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY END USERS 2015-2024 (USD MILLION) 56
TABLE 30 NORTH AMERICAN INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY COUNTRY 2015-2024 (USD MILLION) 57
TABLE 31 NORTH AMERICAN INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY ROUTE OF INTERVENTION 2015-2024 (USD MILLION) 57
TABLE 32 NORTH AMERICAN INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY TECHNIQUE 2015-
<table>
<thead>
<tr>
<th>Table Number</th>
<th>Description</th>
<th>Year Range</th>
<th>Currency (USD Million)</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table 33</td>
<td>North America Intracranial Pressure (ICP) Monitoring Market: By Invasive Technique</td>
<td>2015-2024</td>
<td>57</td>
<td>58</td>
</tr>
<tr>
<td>Table 34</td>
<td>North America Intracranial Pressure (ICP) Monitoring Market: By Application</td>
<td>2015-2024</td>
<td>58</td>
<td>58</td>
</tr>
<tr>
<td>Table 35</td>
<td>North America Intracranial Pressure (ICP) Monitoring Market: By Devices</td>
<td>2015-2024</td>
<td>58</td>
<td>58</td>
</tr>
<tr>
<td>Table 36</td>
<td>North America Intracranial Pressure (ICP) Monitoring Market: By End Users</td>
<td>2015-2024</td>
<td>59</td>
<td>59</td>
</tr>
<tr>
<td>Table 37</td>
<td>U.S. Intracranial Pressure (ICP) Monitoring Market: By Route of Intervention</td>
<td>2015-2024</td>
<td>59</td>
<td>59</td>
</tr>
<tr>
<td>Table 38</td>
<td>U.S. Intracranial Pressure (ICP) Monitoring Market: By Technique</td>
<td>2015-2024</td>
<td>59</td>
<td>59</td>
</tr>
<tr>
<td>Table 39</td>
<td>U.S. Intracranial Pressure (ICP) Monitoring Market: By Invasive Technique</td>
<td>2015-2024</td>
<td>59</td>
<td>59</td>
</tr>
<tr>
<td>Table 40</td>
<td>U.S. Intracranial Pressure (ICP) Monitoring Market: By Application</td>
<td>2015-2024</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>Table 41</td>
<td>U.S. Intracranial Pressure (ICP) Monitoring Market: By Devices</td>
<td>2015-2024</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>Table 42</td>
<td>U.S. Intracranial Pressure (ICP) Monitoring Market: By End Users</td>
<td>2015-2024</td>
<td>60</td>
<td>60</td>
</tr>
<tr>
<td>Table 43</td>
<td>Canada Intracranial Pressure (ICP) Monitoring Market: By Route of Intervention</td>
<td>2015-2024</td>
<td>61</td>
<td>61</td>
</tr>
<tr>
<td>Table 44</td>
<td>Canada Intracranial Pressure (ICP) Monitoring Market: By Technique</td>
<td>2015-2024</td>
<td>61</td>
<td>61</td>
</tr>
<tr>
<td>Table 45</td>
<td>Canada Intracranial Pressure (ICP) Monitoring Market: By Invasive Technique</td>
<td>2015-2024</td>
<td>61</td>
<td>61</td>
</tr>
<tr>
<td>Table 46</td>
<td>Canada Intracranial Pressure (ICP) Monitoring Market: By Application</td>
<td>2015-2024</td>
<td>62</td>
<td>62</td>
</tr>
<tr>
<td>Table 47</td>
<td>Canada Intracranial Pressure (ICP) Monitoring Market: By Devices</td>
<td>2015-2024</td>
<td>62</td>
<td>62</td>
</tr>
<tr>
<td>Table 48</td>
<td>Canada Intracranial Pressure (ICP) Monitoring Market: By End Users</td>
<td>2015-2024</td>
<td>62</td>
<td>62</td>
</tr>
<tr>
<td>Table 49</td>
<td>South America Intracranial Pressure (ICP) Monitoring Market: By Route of Intervention</td>
<td>2015-2024</td>
<td>63</td>
<td>63</td>
</tr>
<tr>
<td>Table 50</td>
<td>South America Intracranial Pressure (ICP) Monitoring Market: By Technique</td>
<td>2015-2024</td>
<td>63</td>
<td>63</td>
</tr>
<tr>
<td>Table 51</td>
<td>South America Intracranial Pressure (ICP) Monitoring Market: By Invasive Technique</td>
<td>2015-2024</td>
<td>63</td>
<td>63</td>
</tr>
<tr>
<td>Table 52</td>
<td>South America Intracranial Pressure (ICP) Monitoring Market: By Application</td>
<td>2015-2024</td>
<td>64</td>
<td>64</td>
</tr>
<tr>
<td>Table 53</td>
<td>South America Intracranial Pressure (ICP) Monitoring Market: By Devices</td>
<td>2015-2024</td>
<td>64</td>
<td>64</td>
</tr>
<tr>
<td>Table 54</td>
<td>South America Intracranial Pressure (ICP) Monitoring Market: By End Users</td>
<td>2015-2024</td>
<td>64</td>
<td>64</td>
</tr>
<tr>
<td>Table 55</td>
<td>Europe Intracranial Pressure (ICP) Monitoring Market: By Region</td>
<td>2015-2024</td>
<td>65</td>
<td>65</td>
</tr>
<tr>
<td>Table 56</td>
<td>Europe Intracranial Pressure (ICP) Monitoring Market: By Route of Intervention</td>
<td>2015-2024</td>
<td>65</td>
<td>65</td>
</tr>
<tr>
<td>Table 57</td>
<td>Europe Intracranial Pressure (ICP) Monitoring Market: By Technique</td>
<td>2015-2024</td>
<td>66</td>
<td>66</td>
</tr>
<tr>
<td>Table 58</td>
<td>Europe Intracranial Pressure (ICP) Monitoring Market: By Invasive Technique</td>
<td>2015-2024</td>
<td>66</td>
<td>66</td>
</tr>
<tr>
<td>Table 59</td>
<td>Europe Intracranial Pressure (ICP) Monitoring Market: By Application</td>
<td>2015-2024</td>
<td>66</td>
<td>66</td>
</tr>
<tr>
<td>Table 60</td>
<td>Europe Intracranial Pressure (ICP) Monitoring Market: By Devices</td>
<td>2015-2024</td>
<td>66</td>
<td>66</td>
</tr>
<tr>
<td>Table 61</td>
<td>Europe Intracranial Pressure (ICP) Monitoring Market: By End Users</td>
<td>2015-2024</td>
<td>67</td>
<td>67</td>
</tr>
<tr>
<td>Table 62</td>
<td>Western Europe Intracranial Pressure (ICP) Monitoring Market: By Country</td>
<td>2015-2024</td>
<td>68</td>
<td>68</td>
</tr>
<tr>
<td>Table 63</td>
<td>Western Europe Intracranial Pressure (ICP) Monitoring Market: By Route of Intervention</td>
<td>2015-2024</td>
<td>68</td>
<td>68</td>
</tr>
<tr>
<td>Table 64</td>
<td>Western Europe Intracranial Pressure (ICP) Monitoring Market: By Technique</td>
<td>2015-2024</td>
<td>69</td>
<td>69</td>
</tr>
<tr>
<td>Table 65</td>
<td>Western Europe Intracranial Pressure (ICP) Monitoring Market: By Invasive Technique</td>
<td>2015-2024</td>
<td>69</td>
<td>69</td>
</tr>
<tr>
<td>Table 66</td>
<td>Western Europe Intracranial Pressure (ICP) Monitoring Market: By Application</td>
<td>2015-2024</td>
<td>69</td>
<td>69</td>
</tr>
<tr>
<td>Table 67</td>
<td>Western Europe Intracranial Pressure (ICP) Monitoring Market: By Devices</td>
<td>2015-2024</td>
<td>70</td>
<td>70</td>
</tr>
<tr>
<td>Table 68</td>
<td>Western Europe Intracranial Pressure (ICP) Monitoring Market: By End Users</td>
<td>2015-2024</td>
<td>70</td>
<td>70</td>
</tr>
<tr>
<td>Table 69</td>
<td>Germany Intracranial Pressure (ICP) Monitoring Market: By Route of Intervention</td>
<td>2015-2024</td>
<td>70</td>
<td>70</td>
</tr>
<tr>
<td>Table 70</td>
<td>Germany Intracranial Pressure (ICP) Monitoring Market: By Technique</td>
<td>2015-2024</td>
<td>71</td>
<td>71</td>
</tr>
<tr>
<td>Table 71</td>
<td>Germany Intracranial Pressure (ICP) Monitoring Market: By Invasive Technique</td>
<td>2015-2024</td>
<td>71</td>
<td>71</td>
</tr>
<tr>
<td>Table 72</td>
<td>Germany Intracranial Pressure (ICP) Monitoring Market: By Application</td>
<td>2015-2024</td>
<td>71</td>
<td>71</td>
</tr>
<tr>
<td>Table</td>
<td>Description</td>
<td>Year Range</td>
<td>Region</td>
<td>2015-2024 (USD Million)</td>
</tr>
<tr>
<td>-------</td>
<td>--------------------------------------------------</td>
<td>------------</td>
<td>---------------</td>
<td>-------------------------</td>
</tr>
<tr>
<td>Table 73</td>
<td>Germany Intracranial Pressure (ICP) Monitoring Market: By Devices</td>
<td>2015-2024</td>
<td>Germany</td>
<td>72</td>
</tr>
<tr>
<td>Table 74</td>
<td>Germany Intracranial Pressure (ICP) Monitoring Market: By End Users</td>
<td>2015-2024</td>
<td>Germany</td>
<td>72</td>
</tr>
<tr>
<td>Table 75</td>
<td>France Intracranial Pressure (ICP) Monitoring Market: By Route of Intervention</td>
<td>2015-2024</td>
<td>France</td>
<td>72</td>
</tr>
<tr>
<td>Table 76</td>
<td>France Intracranial Pressure (ICP) Monitoring Market: By Technique</td>
<td>2015-2024</td>
<td>France</td>
<td>73</td>
</tr>
<tr>
<td>Table 77</td>
<td>France Intracranial Pressure (ICP) Monitoring Market: By Invasive Technique</td>
<td>2015-2024</td>
<td>France</td>
<td>73</td>
</tr>
<tr>
<td>Table 78</td>
<td>France Intracranial Pressure (ICP) Monitoring Market: By Application</td>
<td>2015-2024</td>
<td>France</td>
<td>73</td>
</tr>
<tr>
<td>Table 79</td>
<td>France Intracranial Pressure (ICP) Monitoring Market: By Devices</td>
<td>2015-2024</td>
<td>France</td>
<td>73</td>
</tr>
<tr>
<td>Table 80</td>
<td>France Intracranial Pressure (ICP) Monitoring Market: By End Users</td>
<td>2015-2024</td>
<td>France</td>
<td>73</td>
</tr>
<tr>
<td>Table 81</td>
<td>U.K. Intracranial Pressure (ICP) Monitoring Market: By Route of Intervention</td>
<td>2015-2024</td>
<td>United Kingdom</td>
<td>74</td>
</tr>
<tr>
<td>Table 82</td>
<td>U.K. Intracranial Pressure (ICP) Monitoring Market: By Technique</td>
<td>2015-2024</td>
<td>United Kingdom</td>
<td>74</td>
</tr>
<tr>
<td>Table 83</td>
<td>U.K. Intracranial Pressure (ICP) Monitoring Market: By Invasive Technique</td>
<td>2015-2024</td>
<td>United Kingdom</td>
<td>74</td>
</tr>
<tr>
<td>Table 84</td>
<td>U.K. Intracranial Pressure (ICP) Monitoring Market: By Application</td>
<td>2015-2024</td>
<td>United Kingdom</td>
<td>74</td>
</tr>
<tr>
<td>Table 85</td>
<td>U.K. Intracranial Pressure (ICP) Monitoring Market: By Devices</td>
<td>2015-2024</td>
<td>United Kingdom</td>
<td>74</td>
</tr>
<tr>
<td>Table 86</td>
<td>U.K. Intracranial Pressure (ICP) Monitoring Market: By End Users</td>
<td>2015-2024</td>
<td>United Kingdom</td>
<td>74</td>
</tr>
<tr>
<td>Table 87</td>
<td>Italy Intracranial Pressure (ICP) Monitoring Market: By Route of Intervention</td>
<td>2015-2024</td>
<td>Italy</td>
<td>76</td>
</tr>
<tr>
<td>Table 88</td>
<td>Italy Intracranial Pressure (ICP) Monitoring Market: By Technique</td>
<td>2015-2024</td>
<td>Italy</td>
<td>76</td>
</tr>
<tr>
<td>Table 89</td>
<td>Italy Intracranial Pressure (ICP) Monitoring Market: By Invasive Technique</td>
<td>2015-2024</td>
<td>Italy</td>
<td>76</td>
</tr>
<tr>
<td>Table 90</td>
<td>Italy Intracranial Pressure (ICP) Monitoring Market: By Application</td>
<td>2015-2024</td>
<td>Italy</td>
<td>76</td>
</tr>
<tr>
<td>Table 91</td>
<td>Italy Intracranial Pressure (ICP) Monitoring Market: By Devices</td>
<td>2015-2024</td>
<td>Italy</td>
<td>76</td>
</tr>
<tr>
<td>Table 92</td>
<td>Italy Intracranial Pressure (ICP) Monitoring Market: By End Users</td>
<td>2015-2024</td>
<td>Italy</td>
<td>76</td>
</tr>
<tr>
<td>Table 93</td>
<td>Spain Intracranial Pressure (ICP) Monitoring Market: By Route of Intervention</td>
<td>2015-2024</td>
<td>Spain</td>
<td>77</td>
</tr>
<tr>
<td>Table 94</td>
<td>Spain Intracranial Pressure (ICP) Monitoring Market: By Technique</td>
<td>2015-2024</td>
<td>Spain</td>
<td>77</td>
</tr>
<tr>
<td>Table 95</td>
<td>Spain Intracranial Pressure (ICP) Monitoring Market: By Invasive Technique</td>
<td>2015-2024</td>
<td>Spain</td>
<td>77</td>
</tr>
<tr>
<td>Table 96</td>
<td>Spain Intracranial Pressure (ICP) Monitoring Market: By Application</td>
<td>2015-2024</td>
<td>Spain</td>
<td>77</td>
</tr>
<tr>
<td>Table 97</td>
<td>Spain Intracranial Pressure (ICP) Monitoring Market: By Devices</td>
<td>2015-2024</td>
<td>Spain</td>
<td>77</td>
</tr>
<tr>
<td>Table 98</td>
<td>Spain Intracranial Pressure (ICP) Monitoring Market: By End Users</td>
<td>2015-2024</td>
<td>Spain</td>
<td>77</td>
</tr>
<tr>
<td>Table 99</td>
<td>Rest of Western Europe Intracranial Pressure (ICP) Monitoring Market: By Route of Intervention</td>
<td>2015-2024</td>
<td>Rest of Western Europe</td>
<td>80</td>
</tr>
<tr>
<td>Table 100</td>
<td>Rest of Western Europe Intracranial Pressure (ICP) Monitoring Market: By Technique</td>
<td>2015-2024</td>
<td>Rest of Western Europe</td>
<td>80</td>
</tr>
<tr>
<td>Table 101</td>
<td>Rest of Western Europe Intracranial Pressure (ICP) Monitoring Market: By Invasive Technique</td>
<td>2015-2024</td>
<td>Rest of Western Europe</td>
<td>80</td>
</tr>
<tr>
<td>Table 102</td>
<td>Rest of Western Europe Intracranial Pressure (ICP) Monitoring Market: By Application</td>
<td>2015-2024</td>
<td>Rest of Western Europe</td>
<td>80</td>
</tr>
<tr>
<td>Table 103</td>
<td>Rest of Western Europe Intracranial Pressure (ICP) Monitoring Market: By Devices</td>
<td>2015-2024</td>
<td>Rest of Western Europe</td>
<td>80</td>
</tr>
<tr>
<td>Table 104</td>
<td>Rest of Western Europe Intracranial Pressure (ICP) Monitoring Market: By End Users</td>
<td>2015-2024</td>
<td>Rest of Western Europe</td>
<td>80</td>
</tr>
<tr>
<td>Table 105</td>
<td>Eastern Europe Intracranial Pressure (ICP) Monitoring Market: By Route of Intervention</td>
<td>2015-2024</td>
<td>Eastern Europe</td>
<td>83</td>
</tr>
<tr>
<td>Table 106</td>
<td>Eastern Europe Intracranial Pressure (ICP) Monitoring Market: By Technique</td>
<td>2015-2024</td>
<td>Eastern Europe</td>
<td>83</td>
</tr>
<tr>
<td>Table 107</td>
<td>Eastern Europe Intracranial Pressure (ICP) Monitoring Market: By Invasive Technique</td>
<td>2015-2024</td>
<td>Eastern Europe</td>
<td>83</td>
</tr>
<tr>
<td>Table 108</td>
<td>Eastern Europe Intracranial Pressure (ICP) Monitoring Market: By Application</td>
<td>2015-2024</td>
<td>Eastern Europe</td>
<td>83</td>
</tr>
<tr>
<td>Table 109</td>
<td>Eastern Europe Intracranial Pressure (ICP) Monitoring Market: By Devices</td>
<td>2015-2024</td>
<td>Eastern Europe</td>
<td>83</td>
</tr>
<tr>
<td>Table 110</td>
<td>Eastern Europe Intracranial Pressure (ICP) Monitoring Market: By End Users</td>
<td>2015-2024</td>
<td>Eastern Europe</td>
<td>83</td>
</tr>
<tr>
<td>Table 111</td>
<td>Asia Pacific Intracranial Pressure (ICP) Monitoring Market: By Region</td>
<td>2015-2024</td>
<td>Asia Pacific</td>
<td>85</td>
</tr>
<tr>
<td>Table 112</td>
<td>Asia Pacific Intracranial Pressure (ICP) Monitoring Market: By Route of Intervention</td>
<td>2015-2024</td>
<td>Asia Pacific</td>
<td>85</td>
</tr>
<tr>
<td>Table 113</td>
<td>Asia Pacific Intracranial Pressure (ICP) Monitoring Market: By Technique</td>
<td>2015-2024</td>
<td>Asia Pacific</td>
<td>85</td>
</tr>
</tbody>
</table>

**Note:** The tables above represent various market segments within the intracranial pressure (ICP) monitoring market for different regions and their respective market data from 2015 to 2024 (in USD million).
TABLE 114 ASIA PACIFIC INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY INVASIVE TECHNIQUE 2015-2024 (USD MILLION) 86
TABLE 115 ASIA PACIFIC INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY APPLICATION 2015-2024 (USD MILLION) 86
TABLE 116 ASIA PACIFIC INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY DEVICES 2015-2024 (USD MILLION) 87
TABLE 117 ASIA PACIFIC INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY END USERS 2015-2024 (USD MILLION) 87
TABLE 118 JAPAN INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY ROUTE OF INTERVENTION 2015-2024 (USD MILLION) 88
TABLE 119 JAPAN INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY TECHNIQUE 2015-2024 (USD MILLION) 88
TABLE 120 JAPAN INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY INVASIVE TECHNIQUE 2015-2024 (USD MILLION) 88
TABLE 121 JAPAN INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY APPLICATION 2015-2024 (USD MILLION) 88
TABLE 122 JAPAN INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY DEVICES 2015-2024 (USD MILLION) 89
TABLE 123 JAPAN INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY END USERS 2015-2024 (USD MILLION) 89
TABLE 124 CHINA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY ROUTE OF INTERVENTION 2015-2024 (USD MILLION) 89
TABLE 125 CHINA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY TECHNIQUE 2015-2024 (USD MILLION) 90
TABLE 126 CHINA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY INVASIVE TECHNIQUE 2015-2024 (USD MILLION) 90
TABLE 127 CHINA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY APPLICATION 2015-2024 (USD MILLION) 90
TABLE 128 CHINA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY DEVICES 2015-2024 (USD MILLION) 91
TABLE 129 CHINA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY END USERS 2015-2024 (USD MILLION) 91
TABLE 130 INDIA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY ROUTE OF INTERVENTION 2015-2024 (USD MILLION) 91
TABLE 131 INDIA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY TECHNIQUE 2015-2024 (USD MILLION) 92
TABLE 132 INDIA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY INVASIVE TECHNIQUE 2015-2024 (USD MILLION) 92
TABLE 133 INDIA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY APPLICATION 2015-2024 (USD MILLION) 92
TABLE 134 INDIA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY DEVICES 2015-2024 (USD MILLION) 93
TABLE 135 INDIA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY END USERS 2015-2024 (USD MILLION) 93
TABLE 136 AUSTRALIA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY ROUTE OF INTERVENTION 2015-2024 (USD MILLION) 93
TABLE 137 AUSTRALIA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY TECHNIQUE 2015-2024 (USD MILLION) 94
TABLE 138 AUSTRALIA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY INVASIVE TECHNIQUE 2015-2024 (USD MILLION) 94
TABLE 139 AUSTRALIA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY APPLICATION 2015-2024 (USD MILLION) 94
TABLE 140 AUSTRALIA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY DEVICES 2015-2024 (USD MILLION) 95
TABLE 141 AUSTRALIA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY END USERS 2015-2024 (USD MILLION) 95
TABLE 142 REST OF ASIA PACIFIC INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY ROUTE OF INTERVENTION 2015-2024 (USD MILLION) 95
TABLE 143 REST OF ASIA PACIFIC INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY TECHNIQUE 2015-2024 (USD MILLION) 96
TABLE 144 REST OF ASIA PACIFIC INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY INVASIVE TECHNIQUE 2015-2024 (USD MILLION) 96
TABLE 145 REST OF ASIA PACIFIC INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY APPLICATION 2015-2024 (USD MILLION) 96
TABLE 146 REST OF ASIA PACIFIC INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY DEVICES 2015-2024 (USD MILLION) 97
TABLE 147 REST OF ASIA PACIFIC INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY END USERS 2015-2024 (USD MILLION) 97
TABLE 148 MIDDLE EAST & AFRICA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY REGION 2015-2024 (USD MILLION) 98
TABLE 149 MIDDLE EAST & AFRICA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY ROUTE OF INTERVENTION 2015-2024 (USD MILLION) 98
TABLE 150 MIDDLE EAST & AFRICA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY TECHNIQUE 2015-2024 (USD MILLION) 99
TABLE 151 MIDDLE EAST & AFRICA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY INVASIVE TECHNIQUE 2015-2024 (USD MILLION) 99
TABLE 152 MIDDLE EAST & AFRICA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY APPLICATION 2015-2024 (USD MILLION) 99
TABLE 153 MIDDLE EAST & AFRICA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY DEVICES 2015-2024 (USD MILLION) 100
TABLE 154 MIDDLE EAST & AFRICA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY END USERS 2015-2024 (USD MILLION) 100
TABLE 155 MIDDLE EAST INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY ROUTE OF INTERVENTION 2015-2024 (USD MILLION) 100
TABLE 156 MIDDLE EAST INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY TECHNIQUE 2015-2024 (USD MILLION) 101
TABLE 157 MIDDLE EAST INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY INVASIVE TECHNIQUE 2015-2024 (USD MILLION) 101
TABLE 158 MIDDLE EAST INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY APPLICATION 2015-2024 (USD MILLION) 101
TABLE 159 MIDDLE EAST INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY DEVICES 2015-2024 (USD MILLION) 102
TABLE 160 MIDDLE EAST INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY END USERS 2015-2024 (USD MILLION) 102
TABLE 161 AFRICA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY ROUTE OF INTERVENTION 2015-2024 (USD MILLION) 102
TABLE 162 AFRICA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY TECHNIQUE 2015-2024 (USD MILLION) 103
TABLE 163 AFRICA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY INVASIVE TECHNIQUE 2015-2024 (USD MILLION) 103
TABLE 164 AFRICA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY APPLICATION 2015-2024 (USD MILLION) 103
TABLE 165 AFRICA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY DEVICES 2015-2024 (USD MILLION) 104
TABLE 166 AFRICA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY END USERS 2015-2024 (USD MILLION) 104
TABLE 167 REST OF MIDDLE EAST & AFRICA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY ROUTE OF INTERVENTION 2015-2024 (USD MILLION) 104
TABLE 168 REST OF MIDDLE EAST & AFRICA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY TECHNIQUE 2015-2024 (USD MILLION) 105
TABLE 169 REST OF MIDDLE EAST & AFRICA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY INVASIVE TECHNIQUE 2015-2024 (USD MILLION) 105
TABLE 170 REST OF MIDDLE EAST & AFRICA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY APPLICATION 2015-2024 (USD MILLION) 105
TABLE 171 REST OF MIDDLE EAST & AFRICA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY DEVICES 2015-2024 (USD MILLION) 106
TABLE 172 REST OF MIDDLE EAST & AFRICA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: BY END USERS 2015-2024 (USD MILLION) 106
TABLE 173 GLOBAL ICP MONITORINGS MARKET: KEY DEVELOPMENT 110

16 List of Figures
FIGURE 1 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET: MARKET STRUCTURE 18
FIGURE 2 RESEARCH PROCESS 20
FIGURE 3 TOP-DOWN & BOTTOM-UP APPROACH 23
FIGURE 4 VALUE CHAIN: GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET 30
FIGURE 5 PORTER’S FIVE FORCES MODEL: GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET 32
FIGURE 6 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY ROUTE OF INTERVENTION 2017&2024 35
FIGURE 7 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY TECHNIQUE 2017&2024 38
FIGURE 8 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY APPLICATION 2017&2024 42
FIGURE 9 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY DEVICE 2017&2024 46
FIGURE 10 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, BY END USER 2017&2024 50
FIGURE 11 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET SHARE: BY REGION 2017 (%) 53
FIGURE 12 AMERICAS INTRACRANIAL PRESSURE (ICP) MONITORING MARKET SHARE: BY REGION 2017 (%) 54
FIGURE 13 NORTH AMERICAINS INTRACRANIAL PRESSURE (ICP) MONITORING MARKET SHARE: BY REGION 2017 (%) 57
FIGURE 14 EUROPE INTRACRANIAL PRESSURE (ICP) MONITORING MARKET SHARE: BY REGION 2017 (%) 65
FIGURE 15 WESTERN EUROPE INTRACRANIAL PRESSURE (ICP) MONITORING MARKET SHARE: BY REGION 2017 (%) 68
FIGURE 16 ASIA PACIFIC INTRACRANIAL PRESSURE (ICP) MONITORING MARKET SHARE: BY REGION 2017 (%) 85
FIGURE 17 MIDDLE EAST & AFRICA INTRACRANIAL PRESSURE (ICP) MONITORING MARKET SHARE: BY REGION 2017 (%) 98
FIGURE 18 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET, MARKET SHARE ANALYSIS 2017 (%) 108
FIGURE 19 GLOBAL INTRACRANIAL PRESSURE (ICP) MONITORING MARKET COMPETITIVE LANDSCAPE (%) 109