Plastic Surgery


Division Data Summary

Research and Training Details

<table>
<thead>
<tr>
<th>Number of Faculty</th>
<th>3</th>
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<tbody>
<tr>
<td>Peer Reviewed Publications</td>
<td>4</td>
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Clinical Activities and Training

| Number of Clinical Staff | 1 |
| Outpatient Encounters    | 4,293 |

Faculty Members

David Billmire, MD, Associate Professor; Director, Pediatric Plastic Surgery
Christopher Gordon, MD, Assistant Professor
Jesse Taylor, MD, Assistant Professor

Clinical Staff Members

Dawn Rothchild, RN, PNP

Significant Accomplishments in FY08

Plagiocephaly Program

The division is engaged in a multidisciplinary clinic made up of Plastic Surgery, PT, durable medical equipment and Nursing. The objective of the plagiocephaly program is to treat patients with plagiocephaly in a timely manner. The secondary goal is to educate physicians about plagiocephaly.

Craniofacial Anomalies Team

The Craniofacial Anomalies Team involves several other disciplines which are Plastic Surgery, Dental, Speech Pathology, Genetics, Psychology and Nursing. The primary goal is to improve the health outcomes for patients with
Craniofacial abnormalities. The division is exploring research opportunities with Developmental Biology.

**Tissue Engineering**

Drs. Taylor and Jones are working on improvement in the area of bone allografts revitalization and engineering acellular periosteum. This study is also using growth factors and stem cells.

**Division Highlights**

**Dr. Donna Jones**

The Plastic Surgery Division is working on Characterizing Craniofacial shape for use in diagnostic of positional Plagiocephaly. This is a collaborative adventure with Dawn Rothchild, Dr. Donna Jones and Dr. Brian Pann.

**Dr. David Billmire**

Dr. David Billmire's current clinical research centers on facial bone growth after severe burns and chemical signaling defects in craniosynostosis. Dr. Billmire has been at the forefront of craniofacial surgery, introducing craniofacial bone distraction to the Cincinnati area in 1994. He has served as the President of the Ohio Valley Society of Plastics and Reconstructive Surgery and as a guest examiner for the qualifying exam of the American Board of Plastic Surgery.

**Dr. Christopher Gordon**

Dr. Chris Gordon's research focuses on the molecular biology of bone growth and the genetic basis for facial clefting. He is working to develop a comprehensive research center that will provide new insights into factors and mechanisms that underlie craniofacial disorders and to foster the development of research, technology and therapeutics that can alter the outcome in craniofacial disorders.

**Dr. Ken Yakuboff**

Dr. Kevin Yakuboff has a primary interest in pediatric burns, brachial plexus injury and pediatric congenital hand anomalies. Dr. Yakuboff manages the more complex congenital hand anomalies and participates in the CCHMC brachioplexus reconstruction program.

**Dr. Jesse Taylor**

Dr. Taylor's interests include craniofacial surgery (craniosynostosis, craniofacial syndromes, major facial clefts), cleft lip and palate, cleft rhinoplasty, hemifacial microsomia, facial trauma (both primary and secondary reconstruction), rhinoplasty, facial reanimation (facial paralysis) and extremity salvage.

**Division Collaboration**

Collaboration with Genetics; Psychology; Dental; Speech Pathology; ENT; Nursing

**Collaborating Faculty: Craniofacial Anomalies Team**

The program is a multidisciplinary process involving several divisions. The focus is on improving health outcomes for craniofacial anomalies patients.

**Division Publications**